

MEGACHILIDAE

	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
Gen. Lithurgus Latreille, 1825						
Subgen. Lithurgus Latreille, 1825						
1	Lithurgus chrysurus Fonscolombe, 1834 Sp. olartica Ao, Pi, Li, Lo, FVG, Em, To, Ma, Um, La, Abr, Cp, Bas, Cal, Pu, Si, Sa References: 7, 79, 173, 202, 204, 206, 348, 363, 379, 384, 386, 408, 416, 457, 487, 615, 618, 634, CK03, L1, S75b	I, II	Slightest	58	Ceva (Pi), Garlenda (Li), Monti della Tolfa (La).	Stelis simillima, ? S. Phaeoptera Oligolectic Univoltine
	Lithurgus chrysurus chrysurus Fonscolombe, 1834 Ssp. europeo-mediterranea Pi, Li, Lo, FVG, Em, To, Ma, Um, La, Abr, Cp, Bas, Cal, Pu, Sa References: 79, 202, 204, 206, 363, 386, 408, 416, 457, 618, 634	I, II			Ceva (Pi), Garlenda (Li), Monti della Tolfa (La).	
	Lithurgus chrysurus siculus (Pérez, 1897) Ssp. sicula Si (see table endemic species/subspecies) References: 105, 173, 348, 363, 379, 384, 408, 487, 615	I, II			—	Stelis simillima
2	Lithurgus cornutus (Fabricius, 1787) Sp. centro-asiatico-europeo-maghebina Li, To, Ma, Um, La, Si, Sa References: 63, 206, 214, 346, , 386, 416, 615, 618, C8, CK03	I, II	Low	10	Roma (La).	Oligolectic Univoltine
	Lithurgus cornutus cornutus (Fabricius, 1787) Ssp. ovest-mediterranea To References: 214	I			—	
	Lithurgus cornutus fuscipennis (Lepeletier, 1841) Ssp. turanico-sud-europea Li, La, Si, Sa References: 63, 206, 346, 615, 618, C8	I, II			Roma (La).	? reported as tenant of Halictus quadricinctus (!)
3	Lithurgus tibialis Morawitz, 1875 Sp. centro-asiatico-europea Si References: 105, 173, 348, 615, CK03	I	Moderate	4	—	

	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
Gen. Megachile Latreille, 1802						
Subgen. Callomegachile Michener, 1962						
1	Megachile sculpturalis (Smith, 1853) Sp. neoartico-centroeuropeo-estasiatica Pi, Li, Lo, V, To, FVG, Em References: S60 (alien species), S90b, CK06, L4, L1, L3	I	Critic	7	—	Polylectic
Subgen. Chalicodoma Lepeletier, 1841						
2	Megachile albocristata (Smith, 1853) Sp. tirrenico-appenninico-dinarico-turanica V, To, La, Abr, Pu, Si References: 67, 173, 192, 206, 363, 524, CK03,	I, II	Low	11	Montefiascone (La), Orvinio (La), Pantano (La), Roma (La).	
3	Megachile albonotata Radoszkowski, 1886 Syn of rufescens Pérez 1879 which has priority Sp. turanico-europea Pi, Lo, La, Abr References: 357, CK03, L1 (sub rufescens)	I	Moderate	5	Monte Mario (La), Roma (La).	
	Megachile albonotata italica Tkalcù, 1988 Ssp. italica Apennines; Abr (see table endemic species/subspecies) References: 357	Not assessed			? Monte Mario (La), ? Roma (La).	
4	Megachile apennina (Benoist, 1940) (syn of M. pyrenaica ?) Sp. appenninica To, Ma, Um, Abr (see table endemic species/subspecies) References: 26, 63, 214, 386, CK03	II	Low	6	Monte Tezio (Um), Monte Subasio (Um), Gioia Vecchio (Abr).	
5	Megachile benoisti Tkalcu, 1977 nomen novum pro Chalicodoma pyrenaica f. nigricans Benoist, 1925 nec sicula var. nigricans Friese, 1913 Sp. italica Pu References: 25 e 357 (sub Chal. pyrenaica nigricans	Not assessed	Not assessed	1	—	

	Ben.), CK03,					
6	Megachile lefebvrei (Lepelletier, 1841) Sp. turani*co-anatolico-europeo-mediterranea Lo, V, VT, To, Ma, La, Si, Sa (Italian specimens to report to M. albocristata?) References: 63, 173, 189, 204, 205, 364, 408, 618, CK03,	I, II	Moderate	14	—	
	Megachile lefebvrei albida (Lepelletier, 1841) Ssp. sud-ovest-europea Lo, Ma References: 408	I, II			—	
	Megachile lefebvrei lefebvrei (Lepelletier, 1841) Ssp. tirrenico-nord-africana V, VT, To, La, Si, Sa References: 173, 189, 204, 205, 364, 618	I			—	
7	Megachile manicata (Giraud, 1861) Sp. balcanico-anatolico-est-mediterraneo Pi, Lo, FVG References: 173, C10, CK03 (absent in Italy) ,	I, II	Low	3	Vallone di Sant'Anna (Pi).	?Oligolectic Univoltine
	Megachile manicata manicata (Giraud, 1861) Ssp. italico-balcanica Pi, Lo, FVG	I, II			Vallone di Sant'Anna (Pi).	
8	Megachile nigrita (Radoszkowski, 1876) Sp. est-mediterranea V, La, Si (presence in Italy to be confirmed) References: 192, 193, 204, CK03 (absent in Italy) ,	I	Moderate	3	—	
9	Megachile parietina (Geoffroy, 1785) Including ssp nestorea (Brullé, 1832) Sp. centro-asiatico-europeo-mediterranea Ao, Pi, Lo, Li, V, VT, Em, To, Ma, Um, La, Abr, Mo, Cp, Bas, Cal, Pu, Si, Sa References: 10, 26, 46, 63, 66, 67, 173, 189, 206, 208, 213, 214, 224, 225, 227, 286, 293, 363, 386, 408, 416, 438, 451, 457, 537, 634, C13, CK03, S38, S53, S16a, S69, CK09, L1, S75b	I, II	Slightest	134	Piombino (To), Castiglione della Pescaia (To), Isola del Giglio (2 loc.) (To), Monte Tezio (Um), Monte Subasio (Um), Montefiascone (La), Percile (La), Orvinio (La), Stazione di Furbara (La), Monti della Tolfa (2 loc.) (La), Nazzano (La), Nepi (La), Campagnano di Roma (La), Torre Cervara (La), Sacrofano (La), Prima Porta (La), Mario, Monte- (2 loc.) (La), Roma (5 loc.) (La), Castel di Decima (La), Castel Porziano (La), Albano Laziale (La), Ariccia (2 loc.) (La), Acilia (La), San Felice Circeo (2 loc.) (La), Torrente Raganello (Cal), Isola Filicudi (Si).	Stelis nasuta, Dioxys cincta, Coelioxys aurolimbata, Aglaopis tridentata Polylectic Univoltine
10	Megachile pyrenaica (Lepelletier, 1841) Sp. centroasiatico-sud-europeo-mediterranea Ao, Pi, Lo, V, VT, Em, To, La, Abr, Cal, Si [see note at Chal. benoisti] References: 25, 26, 31, 46, 63, 68, 173, 203, 208, 214, 239, 357, 363, 457, C10, CK03, S53, S91, CK09, L1, S75b	I, II, III	Slightest	39	Entrèves (Ao), Prali (Pi), Alagna Valsesia (Pi), Argentario, Monte- (To), Canale Monterano (La), Roma (La).	Dioxys cincta, Stelis nasuta Polylectic Univoltine

	<i>Megachile pyrenaica alpina</i> Morawitz, 1872 Ssp. alpina Alpi; Ao References: 25, 363	II			—	
	<i>Megachile pyrenaica pyrenaica</i> (Lepeletier, 1841) Ssp. turanico-europea Pi, Lo, VT, Em, La, Abr, Cal, Si References: 203, 363	I, II, III			<i>Alagna Valsesia (Pi), Canale Monterano (La).</i>	
11	<i>Megachile sicula</i> (Rossi, 1792) Sp. mediterraneo-macaronesica VT, FVG, Cal, Si, Sa References: 7, 54, 157, 173, 206, 210, 214, 218, 225, 228, 287, 363, 365, 408, 452, 528, 639, CK03, L1	I, II	Low	47	Villapiana (Cal), Is. Pantelleria (3 loc.) (Si), Is. Lampedusa (Si), Monte Pellegrino (Si), Mozia (Si), Isola San Pietro (Sa), Tertenia (Sa), Punta Ceraso (Sa).	Dioxys cincta, ? Stelis nasuta (Sa).
	<i>Megachile sicula corsica</i> Benoist, 1935 Ssp. sardo-corsa Sa (see table endemic species/subspecies) References: 214	I			—	
	<i>Megachile sicula perezi</i> Lichtenstein, 1879 Ssp. sud.ouest-europea Sa References: 7, 639	I			<i>Is. San Pietro (Sa), Tertenia (Sa).</i>	
	<i>Megachile sicula sicula</i> (Rossi, 1792) Ssp. tirrenico-maghrebina Cal, Si, Sa References: 157, 206, 218, 225, 228, 363, 365, 408, 452, 528	I, II			<i>Villapiana (Cal), Is. Pantelleria (2 loc.) (Si), Is. Lampedusa (Si), Monte Pellegrino (Si), Mozia (Si).</i>	
Subgen. Creightonella (Cockerell, 1908)						
12	<i>Megachile albisecta</i> (Klug, 1817) Sp. centroasiatico-europeo-maghrebino-est-mediterranea Pi, Li, Lo, V, VT, FVG, Em, To, La, Cp, Bas, Cal, Si, Sa References: 7, 54, 73, 173, 193, 203, 206, 208, 214, 239, 293, 363, 370, 409, 416, 517, 634, C10, CK03, L1	I	Low	42	Torre Paola (La), Portopalo di Capo Passero (Si), Isola di San Pietro (Sa).	Coelioxys argentea Oligolectic Univoltine
Subgen. Eumegachile Friese, 1898						
13	<i>Megachile bombycina</i> Radoszkowski, 1874 Sp. asiatico-europea La (presence in Italy to be confirmed) References: 67, CK03,	I	Moderate	1	—	
Subgen. Eutricharaea Thomson, 1872						
14	<i>Megachile albohirta</i> Brullé 1839 "uncertain" : Nomen oblitum ? Sp. iberico-nordovest africana Italy (presence in Italy doubtful) References: 357, CK03 (absent in Italy) ,	Not assessed	Not assessed	1	—	
15	<i>Megachile anatolica</i> Rebmann, 1968	Not assessed	Not assessed		-----	

	Sp. nordest-mediterraneo-anatolico-nordarabico-turanica Italy References: CK06, L4					
16	Megachile apicalis Spinola, 1808 Sp. olartica Li, Lo, V, VT, FVG, Em, To, Um, La, Abr, Cp, Bas, Cal, Pu, Si, Sa References: 7, 54, 63, 66, 67, 173, 183, 190, 203, 206, 208, 213, 214, 225, 363, 365, 416, 434, CK03, S55, S16a, S92, L1	I, II	Slightest	59	Monti della Tolfa (La), Nepi (La), Monte Mario (La), Torre Cervara (La), Roma (3 loc.) (La), Acilia (La), Albano Laziale (La), Ariccia (La), Frascati (La), Terracina (La), Torre Paola (La), Isola di Vulcano (Si), San Leone (Si), Is. San Pietro (Sa).	Coelioxys afra, C. brevis, C. echinata Polylectic Univoltine
(17)	Megachile atratula Rebmann, 1968 (syn of M. pusilla Pérez 1888 ?) CK03 = SYN of Megachile concinna Smith 1879 S75a = M. atratula is syn of M. pusilla Sp. nord-ovest-mediterraneo-macaronesica Lo, La, Abr, Cp, Cal, Pu, Si, Sa References: 67, 357, 363, CK06	I	Low	15	Monte Mario (La), Roma (4 loc.) (La), Torre Cervara (La), San Felice Circeo (La).	Oligolectic ?Univoltine
18	Megachile burdigalensis Benoist, 1940 According Zanden 1996 is syn of M. dorsalis Pér. 1879), CK03 = SYN of M. dorsalis Pérez 1879 (male, nec female !) Sp. sudeuropea Lo, To References: CK03 (valid but absent in Italy), CK05 (valid but absent in Italy), CK12, L4, L1	Not assessed	Not assessed	2	-----	?Oligolectic Univoltine
(19)	Megachile concinna Smith, 1879 (The sp is not syn of M. albohirta Brullé 1839) (CK03 = SYN of M. variscopa Pérez, 1895 and M. atratula Rebmann, 1968; probably SYN of M. pusilla Pérez 1884) (S75a = the Italian finds of this species must be attributed to M. pusilla; M. concinna absent in Italy) (confused systematic situation). Sp. olartica Pi, Em, To, La, Si, Sa (finds likely to refer to M. pusilla Pérez 1888) References: 63, 68, 214, 363, 366, 416, CK03,	I	Low	11	Angrogna (Pi).	
20	Megachile deceptor Pérez, 1890 Sp. centroasiatico-europeo-mediterranea V, FVG, Em, To, Bas References: 190, 203, 213, 363, CK03, S16a,	I	Moderate	8	---	Coelioxys polycentris Oligolectic Univoltine
(21)	Megachile dorsalis Pérez, 1879 (*) (controversial validity) (syn of leachella ?) CK03 = SYN of M. burdigalensis Benoist, 1940 (male, nec female !) Sp. centro-nord-europea	I, II	Critic Last record: 1936	7	---	

	? Ao, ? VT, ? Em, ? La, ? Abr, ? Si References: 173(*), 203 (*), 206(*), CK03 (absent in Italy), CK06 (absent in Italy), S22 (valid sp., absent in Italy) , CK09 (* possible confusion with flabellipes.					
22	Megachile fertoni Pérez, 1895 Sp. ovest-mediterraneo-anatolica Sa References: 363, CK03	I	Moderate	1	—	
23	Megachile flabellipes Pérez, 1895 Sp. centro-sud-europea Ao, Li, VT, FVG, To, Um, La References: 63, 214, , 247, 363, 386, C10, CK03, S75b	I, II	Low	14	Orvinio (La), Val di Varri (La), Albano Laziale (La).	Coelioxys haemorrhoea Oligolectic Univoltine
24	Megachile gratiosa Gerstaecker, 1857 Sp. afrotropicale-mediterranea Li (perhaps the finding refers to pusilla) References: 363, CK06	I	Moderate	1	—	
25	Megachile ichnusae Rebmann, 1968 (very confused systematic position) Sp. tirrenico-maghrebina Sa References: C10, CK06	I	Not assessed	2	Oridda, Valle- (Sa).	
26	Megachile leachella Curtis, 1828 Sp. olartica Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Um, La, Cal, Pu, Si, Sa References: 48, 54, 67, 68, 100, 173, 189, 192, 203, 205, 213, 214, 225, 227, 228, 293, 363, 436, 442, 446, 508, CK03, S53, S16a (sub argentata F.1793), S69 (sub argentata F.1793) , S76 (sub argentata F. 1793) , CK09	I, II	Slightest	54	Angrogna (Pi), San Benedetto Belbo (Pi), Caorle (V), Percile (La) Nepi (La), Roma (2 loc.) (La), Albano Laziale (La), Isola di San Pietro (Sa).	Coelioxys afra, C. mandibularis, C. quadridentata, C. elongata, C. brevis, C. inermis, Aglaoapis tridentata Polylectic Univoltine
27	Megachile leucomalla Gerstaecker, 1869 Sp. turanico-sud-europeo-maghrebina Em?, To, La References: 67, CK03, S16a, S76	I	Moderate	4	—	
28	Megachile marginata Smith 1853 [Pseudomegachile] (syn of M. picicornis) Sp. sud-est-mediterraneo-anatolico-arabico-turanica Italy; Cal References: 271, 357, CK03	Not assessed	Not assessed	2	—	
(29)	Megachile picicornis Morawitz, 1878 (syn of Megachile marginata Smith, 1853) Sp. centro-asiatico-mediterraneo-macaronesica	I	Moderate	3	Montefiascone (La).	

	To, La, Si References: 63, 203, 214, CK03					
30	Megachile pilidens Alfken, 1923 Sp. turanico-europeo-est-mediterranea Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, La, Abr, Mo, Cp, Bas, Cal, Pu, Si, Sa References: 4, 46, 63, 67, 68, 158, 190, 203, 205, 206, 208, 239, 363, 369, 370, 386, 416, 457, 547, 609, 628, CK03, S53, S16a, L1, S75b	I, II, III	Slightest	83	Luserna San Giovanni (Pi), Angrogna (2 loc.) (Pi), Caorle (V), Montefiascone (La), Val di Varri (La), Nepi (La), Percile (La), Ciampino (La), Monte Mario (La), Roma (2 loc.) (La), Torre Cervara (La), Albano Laziale (2 loc.) (La), Ariccia (La), Terracina (La), Sabaudia (La), San Felice Circeo (La). San Leone (Si), Isola di Vulcano (Si), Favignana (Si), Isola di Caprera (Sa), Isola di San Pietro (Sa).	Coelioxys brevis, C. afra Polylectic / oligoleptic Bivoltine
31	Megachile pugillatoria Costa, 1863 Sp. appenninica (status to be clarified) Cal (see table endemic species/subspecies) References: 173, CK03, CK12	Not assessed	High Last record: 1890	1	—	
32	Megachile pusilla Pérez, 1888 (CK03 = probably syn of M. concinna) (S75a = M. atratula is syn of M. pusilla) CK13 = M. variscopa Pérez, 1895 is syn of M. pusilla and M. concinna Smith, 1879 is absent in western Palearctic). Sp. olartica Lo, S75a = the Italian finds of M. concinna must be attributed to M. pusilla References: CK03, S75a, L1	Not assessed	Low	11	—	
33	Megachile rotundata (Fabricius, 1787) Sp. cosmopolita Ao, Pi, Li, Lo, V, VT, FVG, Em, To, La, Pu, Si, Sa References: 7, 46, 52, 67, 68, 173, 189, 193, 203, 204, 206, 208, 213, 214, 286, 363, 416, 487, C8, CK03, S16a, S57, S76, CK09, L1, S75b	I	Low	48	Angrogna (Pi), San Benedetto Belbo (Pi), Caorle (V), Monte Mario (La), Torre Cervara (La), Roma (5 loc.) (La). Albano Laziale (La).	Coelioxys echinata, C. haemorrhoea, C. elongata Polylectic Univoltine
34	Megachile rubrimana Morawitz, 1894 Sp. asiatico-europea FVG, La, Cal (the Italian reports for this species are unlikely) References: 67, 363, CK03	I	Moderate	3	—	
35	Megachile schmiedeknehti A. Costa, 1884 Sp. ovest-mediterraneo-anatolica To, Sa References: 7, 26, 173, 300, 363, 416, C10, CK03	I	Low	15	Isola di Caprera (Sa) Isola di San Pietro (Sa), Rio Cannisoni (Sa). Isola Serpentara (Sa).	
Subgen. Megachile Latreille, 1802						
36	Megachile alpicola Alfken, 1924 Sp. sibirico-europea	II, III, IV	Low	5	Ghigo (Pi).	Coelioxys auro limbata,

	Ao, Pi, VT References: 239, 363, 528, CK03, S53					C. inermis Polylectic Partly bivoltine
	<i>Megachile alpicola alpicola</i> Alfken, 1924 <i>Ssp. sibirico-europea</i> Ao, Pi, VT	II, III, IV			<i>Ghigo (Pi).</i>	
37	Megachile centuncularis (Linnaeus, 1758) <i>Sp. olartica</i> Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Bas, Pu, Si, Sa References: 46, 50, 63, 67, 68, 100, 147, 187, 189, 193, 203, 204, 205, 206, 208, 213, 214, 247, 293, 363, 370, 386, 409, 416, 487, 634, 639, CK03, S16a, S76, S91, L1	I, II, III	Slightest	80	Luserna San Giovanni (Pi), Villar Pellice (Pi), Angrogna (2 loc.) (Pi), Monte Subasio (Um), Montefiascone (La), Val di Varri (La), Vallebuona (Ri)(La), Nazzano (La), Percile (La), Prima Porta (La), Monte Mario (La), Torre Cervara (La), Castel Porziano (La), Albano Laziale (2 loc.) (La), Ariccia (3 loc.) (La), Frascati (La), Isola di San Pietro (Sa).	Coelioxys inermis, C. rufescens, C. elongata, C. mandibularis, Stelis phaeoptera Polylectic Partly bivoltine
	<i>Megachile centuncularis centuncularis</i> (Linnaeus, 1758) <i>Ssp. europeo-caucasica</i> Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Bas, Pu, Si, Sa	I, II, III			Luserna San Giovanni (Pi), Villar Pellice (Pi), Angrogna (2 loc.) (Pi), Monte Subasio (Um), Montefiascone (La), Val di Varri (La), Vallebuona (Ri)(La), Nazzano (La), Percile (La), Prima Porta (La), Monte Mario (La), Torre Cervara (La), Castel Porziano (La), Albano Laziale (2 loc.) (La), Ariccia (3 loc.) (La), Frascati (La), Isola di San Pietro (Sa).	
38	Megachile genalis Morawitz, 1880 <i>Sp. asiatico-europeo-anatolica</i> Ao, Pi, Li, Lo, VT, To, Ma, La, Abr References: 67, 147, 208, 209, 297, 363, 386, 630, C10, CK03, S16a (ssp buyssoni and genalis) , , CK09, L1	I, II, III	Low	14	Monti Sibillini (Ma), Santa Maria di Galeria (La), Monte Mario (La).	Oligolectic Univoltine
	<i>Megachile genalis buyssoni</i> Pérez, 1890 <i>Ssp. europea</i> To, La, Abr References: 209, 630, S16a (as species)	I, II			Monte Mario (La).	
	<i>Megachile genalis genalis</i> Morawitz, 1880 <i>Ssp. europea</i> Pi, Li, To, La References: 297, 363, S16a	I			—	
39	Megachile ligniseca (Kirby, 1802) <i>Sp. asiatico-europea</i> Pi, Lo, VT, FVG References: 239, 363, CK03, S69	I	Moderate	5	—	Coelioxys alata, C. rufescens, C.inermis, C. elongata Polylectic

						Univoltine
	<i>Megachile ligniseca ligniseca</i> (Kirby, 1802) Ssp. europea Pi, VT, FVG	I			—	
40	Megachile melanopyga A. Costa, 1863 Sp. asiatico-europeo-macaronesica Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Um, La, Abr, Cp, Cal, Pu, Si, Sa References: 63, 67, 68, 139, 173, 184, 190, 193, 203, 206, 214, 293, 300, 363, 409, 416, 435, 508, 517, 634, C8, CK03, S4, S53, S16a, S76, CK09, L1, S75b	I, II	Slightest	67	Luserna San Giovanni (Pi), Monte Subasio (Um), Maccarese (La), Torre Cervara (La), Monte Mario (La), Roma (3 loc.) (La), Acilia (La), Albano Laziale (La), Ariccia (La), Nemi (La), Frascati (La), Torre Paola (La), Caprera (Sa), Is. San Pietro (Sa).	? Coelioxys echinata Polylectic / oligoleptic Partly bivoltine
	<i>Megachile melanopyga melanopyga</i> A. Costa, 1863 Ssp. asiatico-europea Pi, Li, Lo, V, VT, FVG, Em, To, Um, La, Abr, Cp, Cal, Pu, Si, Sa	I, II			Luserna San Giovanni (Pi), Monte Subasio (Um), Maccarese (La), Torre Cervara (La), Monte Mario (La), Roma (3 loc.) (La), Acilia (La), Albano Laziale (La), Ariccia (La), Nemi (La), Frascati (La), Torre Paola (La), Caprera (Sa), Is. San Pietro (Sa).	
41	Megachile octosignata Nylander, 1852 Sp. turanico-europea Li, VT, Em, To, La References: 67, 173, 203, 206, 214, 363, 416, C8, CK03	I, II	Low	14	Percile (La), Albano Laziale (La), Torre Paola (La).	Polylectic Univoltine
42	Megachile pilicrus Morawitz, 1878 Sp. asiatico-europea Ao, Pi, Lo, VT, FVG, Em, To, La, Abr, Si, Sa References: 63, 67, 173, 208, 239, 274, 346, 363, 416, CK03, S16a, L1, S75b	I, II	Low	24	Val di Varri (La), Percile (La), Vallebuona (Ri) (La).	Coelioxys polycentris, C. conoidea Oligoleptic Univoltine
43	Megachile pyrenaee Pérez, 1890 Sp. europeo-caucasica Ao, Pi, Lo, VT References: 46, 68, 203, 239, 363, 457, CK03, S53, CK09, S75b	I, II, III	Low	14	Angrogna (Pi).	Coelioxys mandibularis, C. elongata, Dioxys cincta Polylectic Univoltine
	<i>Megachile pyrenaee pyrenaee</i> Pérez, 1890 Ssp. europea Pi, Lo, VT	I, II, III			Angrogna (Pi).	
44	Megachile versicolor Smith, 1844 Sp. asiatico-europea Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Cp, Pu, Sa References: 46, 63, 67, 68, 173, 203, 204, 205, 208, 214, 247, 363, 370, 386, 457, C10, CK03, S53, S16a, S76, CK09, L1	I, II, III	Slightest	38	Entrèves (Ao), Angrogna (2 loc.) (Pi), Monte Subasio (Um), Nepi (La), Roma (La), Albano Laziale (La), San Felice Circeo (La), Camporotondo (Abr), Val Fondillo (Abr).	Coelioxys mandibularis, C. inermis Polylectic Partly bivoltine

Subgen. Pseudomegachile Friese, 1898

45	<p>Megachile ericetorum (Lepeletier, 1841) [Chalicodoma] Sp. olartica Pi, Li, Lo, V, VT, FVG, Em, To, Um, La, Mo, Pu, Si References: 46, 67, 68, 180, 193, 203, 206, 208, 214, 247, 272, 363, 364, 408, 416, 508, C10, CK03, S16a, S16a, S16a, S76, S90a, L1</p>	I, II	Slightest	55	<p>Angrogna (Pi), Caorle (V), Montefiascone (La), Percile (La), Monte Mario (La), Roma (4 loc.) (La), Torre Cervara (La), Ariccia (La), San Felice Circeo (2 loc.) (La).</p>	<p>Coelioxys auro limbata, C. conoidea</p> <p>Oligolectic (?Polylectic)</p> <p>Univoltine</p>
	<p><i>Megachile ericetorum ericetorum</i> (Lepeletier, 1841) Sp. asiatico-europea Pi, Li, Lo, V, VT, FVG, Em, To, Um, La, Mo, Pu, Si References: 63, 67, 68, 180, 193, 203, 206, 208, 214, 247, 272, 363, 364, 408, 416</p>	I, II			<p>Angrogna (Pi), Caorle (V), Montefiascone (La), Percile (La), Monte Mario (La), Roma (4 loc.) (La), Torre Cervara (La), Ariccia (La), San Felice Circeo (2 loc.) (La).</p>	
	<p><i>Megachile ericetorum oraniensis</i> Zanden, 1989 Ssp. italico-maghebina Northern Italy References: 364</p>	Not assessed			—	
Subgen. Xanthosarus Robertson, 1903						
46	<p>Megachile analis Nylander, 1852 Sp. asiatico-europea Ao, Pi, VT, FVG, Em, Um, Abr References: 48, 68, 90, 143, 214, 363, 386, 457, CK03, S53, CK09, L1</p>	II, III, IV	Low	16	<p>Prali (3 loc).</p>	<p>Polylectic</p> <p>Univoltine</p>
	<p><i>Megachile analis analis</i> Nylander, 1852 Ssp. asiatico-europea Pi, VT, FVG, Um, Abr</p>	II, III, IV			<p>Prali (3 loc).</p>	
47	<p>Megachile atlantica Benoist, 1934 Sp. siculo-maghebina Si References: 620, CK03</p>	I	Moderate	2	—	
48	<p>Megachile circumcincta (Kirby, 1802) Sp. olartica Ao, Pi, Lo, V, VT, FVG, Em, To, Ma, La, Abr, Cp, Cal, Si, Sa References: 46, 63, 67, 68, 200, 214, 339, 363, 370, 386, 409, 620, 639, CK03, S53, L1, S75b</p>	I, II, III	Low	31	<p>Sea di Torre Pellice (Pi), Alagna Valsesia (Pi) Orvinio (La), Percile (La), Tivoli (La), Positano (Cp).</p>	<p>Coelioxys quadridentata, C. elongata, C. mandibularis</p> <p>Polylectic</p> <p>Univoltine</p>
	<p><i>Megachile circumcincta circumcincta</i> (Kirby, 1802) Ssp. asiatico-europea Pi, Lo, V, VT, FVG, Em, To, Ma, La, Abr, Cp, Cal, Sa References: 67, 68, 200, 214, 363, 370, 386, 409, 639</p>	I, II, III			<p>Sea di Torre Pellice (Pi), Alagna Valsesia (Pi) Orvinio (La), Percile (La), Tivoli (La), Positano (Cp).</p>	
	<p><i>Megachile circumcincta etnaensis</i> Zanden, 1989 Ssp. sicula Si (see table endemic species/subspecies)</p>	I, II			—	Coelioxys elongata

	References: 339, 620					
49	Megachile diabolica Friese, 1898 Sp. centro-sud-est-europeo-anatolica Pu References: 233, CK03 (absent in Italy) , CK12	Not assessed	Critic	1	—	Coelioxys conoidea
50	Megachile fulvescens Smith, 1853 (systematic situation unclear) = M. maritima (Kirby, 1892) in CK03 Sp. sicula Si (see table endemic species/subspecies) References: 173, , CK03	Not assessed	High Last record: 1885	2	—	
51	Megachile giraudi Gerstaecker, 1869 Sp. turanico-europea Pi, Lo, FVG, To, La, Pu, Si References: 173, 184, 624, C10, CK03, S69	I	Low	7	—	
	Megachile giraudi giraudi Gerstaecker, 1869 Ssp. turanico-europea Pi, FVG References: 173	I			—	
	Megachile giraudi intermixta Gerstaecker, 1869 Ssp. turanico-europea To, La, Pu, Si References: 173, 184, 624, C10	I			—	
52	Megachile lagopoda (Linnaeus, 1761) Sp. palearctica Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Cp, Bas, Cal, Pu, Si, Sa References: 46, 63, 67, 68, 173, 200, 203, 208, 214, 218, 293, 363, 386, 409, 416, 457, 485, 634, C8, CK03, S16a, S76, L1, S75b	I, II, III	Slightest	67	Villar Pellice (Pi), Angrogna (Pi), P. N. Monti Sibillini (Ma), Monte Catria (Ma), Monte Subasio (2 loc.) (Um), Monte Tezio (Um), Val di Varri (La), Ariccia (La), Campo Rotondo (2 loc.) (Abr), Rivisondoli (Abr), Val Fondillo (Abr), Camarina (Si).	Coelioxys conoidea Polylectic Univoltine
53	Megachile maritima (Kirby, 1802) (see also M. fulvescens) Sp. palearctica Ao, Pi, Lo, V, VT, FVG, Em, To, La, Abr, Cp, Bas, Cal, Pu, Si, Sa References: 63, 67, 68, 74, 173, 180, 189, 200, 203, 204, 206, 209, 213, 214, 363, 409, 416, 634, C10, CK03, S53, S69, L1, S75b	I, II	Slightest	46	Angrogna (2 loc.) (Pi), Luserna San Giovanni (Pi), Percile (La), Ciampino (La), Roma (La), Sabaudia (La), Monte Viglio (Abr).	Coelioxys conoidea Polylectic ?Partly bivoltine
54	Megachile nigriventris Schenck, 1868 Sp. asiatico-europea Pi, Lo, V, VT, La References: 67, 68, 239, 363, CK03, S53, L1	I, II, III	Low	7	Angrogna (Pi).	Coelioxys lanceolata, ? C. Elongata Oligolectic Univoltine
	Megachile nigriventris nigriventris Schenck, 1868 Ssp. asiatico-europea	I, II, III			Angrogna (Pi).	

	Pi, V, VT, La					
55	Megachile willughbiella (Kirby, 1802) Sp. palearctica Pi, Lo, VT, FVG, Em, To, Ma, Um, La References: 46, 67, 68, 173, 200, 203, 206, 214, 247, 363, 386, 409, 416, CK03, S53, L1	I, II, III, IV	Low	27	Prali (Pi), Angrogna (Pi), Villar Pellice (Pi), Percile (La), Roma (La).	Coelioxys elongata, C. quadridentata Polylectic Partly bivoltine
	Megachile willughbiella willughbiella (Kirby, 1802) Ssp. palearctica Pi, Lo, VT, FVG, Em, To, Ma, Um, La	I, II, III, IV			Prali (Pi), Angrogna (Pi), Villar Pellice (Pi), Percile (La), Roma (La).	
		Subgenus incertum				
56	Megachile grisea (Fabricius, 1794) presence in Italy to be confirmed, most likely non-existent Sp. Italica? Mainland Italy (see table endemic species/subspecies) References: 154	Not assessed	High Last record: 1804	1	—	
(57)	Megachile punctatissima Spinola, 1806 (status to be clarified, perhaps synonymous with Megachile Chalicodoma kirbyi Authors ?) (perhaps it is Stelis punctulatissima) Sp. Italica? Li ? (see table endemic species/subspecies) References: 173, CK03	I	High Last record: 1806	1	—	
58	Megachile villipes Morawitz, 1875 [Anodontetricharaea Tkalcu 1993] Sp. italico-maghrebino-anatolico-turanica To (presence in Italy to be confirmed) References: 206, CK03 (absent in Italy)	I	High Last record: 1935	1	—	

	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 -hosts- Floral preferences Number of annual generations
Gen. Coelioxys Latreille, 1809						
Subgen. Allocoelioxys Tkalcu, 1974						
1	Coelioxys acanthura (Illiger, 1806) Sp. palearctica	I	Low	12	Monte Mario (La), Isola Favignana (Si), San Giovanni de Sinis (Sa).	

	To, La, Cal, Si, Sa References: 54, 104, 203, 349, 363, 495, CK03					
2	Coelioxys afra Lepeletier, 1841 Sp. palearctico-afrotropicale-indomalese Pi, Li, Lo, V, VT, FVG, Em, To, La, Mo, Cp, Cal, Pu, Si, Sa References: 46, 63, 67, 68, 69, 100, 104, 189, 203, 204, 205, 206, 208, 214, 225, 227, 235, 274, 293, 349, 363, 369, 410, 416, 425, 457, 634, C12, CK03, S24, S16a, S76, L1 (afer)	I, II, III	Slightest	62	Luserna San Giovanni (Pi), San Benedetto Belbo (Pi), Garlenda (Li), Stellanello (Lt), Val di Varri (La), Mario, Monte- (La), Isola di Caprera (Sa).	Megachile apicalis, M. leachella Flora: varied ?Bivoltine
3	Coelioxys brevis Eversmann, 1852 Sp. palearctica Pi, VT, Em, To, Bas, Si References: 104, 203, 239, 349, 363, 634, CK03	I	Low	7	—	Megachile apicalis, M. leachella, M. pilidens Flora: limited Univoltine
4	Coelioxys caudata Spinola, 1838 Sp. asiatico-europeo-mediterranea Pi, Li, Si References: 54, 68, 169, 170, 349, 493, CK03	I	Low	9	San Benedetto Belbo (Pi).	
5	Coelioxys echinata Foerster, 1853 Sp. turanico-europeo-mediterranea Pi, Lo, V, VT, FVG, Em, To, La, Cp, Cal, Si, Sa References: 7, 63, 67, 100, 169, 202, 204, 214, 239, 349, 363, 410, 416, 634, CK03, S57, S69, S90a, L1 (echinatus), S75b	I, II, III	Low	46	Monte Mario (La), Settecimini (La), Roma (La), Frascati (La), Terracina (La), Is. Favignana (Si).	Colletes spp , Megachile apicalis, M. rotundata, M. melanopyga, Hoplitis adunca, Anthophora spp. Flora: limited Univoltine
6	Coelioxys emarginata Foerster, 1853 Sp. ovest-centro-europeo-anatolico-caucasico-nord-ovest-africana VT (presence in Italy to be confirmed) References: 603	Not assessed	Not assessed	1	-----	
7	Coelioxys erythrura Spinola, 1838 Sp. italico-nordafriicano-anatolico-arabica Si (dubious species) References: 54, 104, CK03	Not assessed	High Last record: 1857	2	—	
8	Coelioxys haemorrhoea Foerster, 1853 Sp. palearctica VT, Em, La, Abr, Cal, Pu, Si References: 63, 67, 100, 105, 206, 239, 349, 363, 416, CK03	I, II	Low	15	Acilia (La).	Megachile rotundata, M. flabellipes
9	Coelioxys obtusa Pérez, 1884	I, II	Moderate	3	—	Univoltine

	Sp. turanico-europeo-mediterranea Pi, La, Si References: 63, 104, 363, CK03					
10	Coelioxys polycentris Foerster, 1853 Sp. asiatico-europea V References: 190, CK03	I	Moderate	1	—	Tetraloniella nana, ? Megachile deceptoria Univoltine
Subgen. Boreocoelioxys Mitchell, 1973						
11	Coelioxys alata Foerster, 1853 Sp. asiatico-europea Italy (presence in Italy to be confirmed) References: 109 a, CK03 (absent in Italy)	Not assessed	Not assessed	1	—	Megachile ligniseca, Anthophora furcata Flora: ?limited Univoltine
12	Coelioxys inermis (Kirby, 1802) Sp. olartica Pi, Li, Lo, V, VT, Em, To, Ma, La, Abr, Pu, Si, Sa References: 46, 67, 192, 193, 206, 214, 239, 349, 363, 370, 386, 410, 493, CK03, L1	I, II	Low	30	Garlenda (Li), Albano Laziale (La), Tivoli (La).	Megachile leachella, M. alpicola, M. centuncularis, M. versicolor, Hoplitis papaveris, Anthophora furcata Flora: limited ?Partly bivoltine
13	Coelioxys mandibularis Nylander, 1848 Sp. asiatico-europea Pi, V, VT, To, La, Abr, Si References: 46, 67, 68, 169, 239, 349, 363, C12, CK03, S16a, S76	I, II	Low	10	Prali (Pi).	Megachile leachella, M. versicolor, M. centuncularis, M. circumcincta, M. pyrenaea, Hoplitis papaveris, Osmia spp. Flora: varied ?Univoltine
14	Coelioxys rufescens Lepeletier & Serville, 1825 Sp. olartica Pi, Lo, VT, Em, La References: 68, 203, 214, 363, CK03, L1, S75b	I	Low	7	Angrogna (Pi), San Benedetto Belbo (Pi).	Anthophora furcata, A. plagiata, A. quadrimaculata, A. bimaculata, A. borealis (absent in Italy), A. fulvitaris, Hoplitis adunca Flora: varied Univoltine

Subgen. Coelioxys Latreille, 1809

15	<p>Coelioxys aurolimbata Foerster, 1853 <i>Sp. palearctica</i> Pi, Lo, V, VT, FVG, Em, To, La, Pu, Si References: 67, 104, 190, 203, 239, 363, 370, 410, 457, CK03, L1</p>	I, III	Low	16	—	<p>Megachile parietina, M. ericetorum, M. alpicola</p> <p>Flora: limited</p> <p>Univoltine</p>
16	<p>Coelioxys conoidea (Illiger, 1806) <i>Sp. palearctica</i> Ao, Pi, Lo, V, VT, Em, To, Ma, La, Abr, Cp, Cal, Pu Si, Sa References: 54, 63, 67, 180, 189, 203, 204, 206, 208, 214, 239, 349, 363, 386, 410, 503, C12, CK03, CK09, L1 (conoideus), S75b</p>	I, II	Low	39	San Vigilio (V), Rivisondoli (Abr), Monte Rotella (Consano) (Abr).	<p>Megachile diabolica, M. lagopoda, M. maritima, M. pilicrus, M. ericetorum</p> <p>Flora: varied</p> <p>?Partly bivoltine</p>
17	<p>Coelioxys elongata Lepeletier, 1841 <i>Sp. palearctica</i> Ao, Pi, Lo, To, La, Abr, Si References: 54, 104, 204, 349, 363, CK03, CK09, L1 (elongatus)</p>	I	Low	9	Albano Laziale (La).	<p>Megachile rotundata, M. ligniseca, M. leachella, M. centuncularis, M. circumcincta, M. c. etnaensis, M. willughbiella, ? M. Nigriventris</p> <p>Flora: varied</p> <p>?Univoltine</p>
18	<p>Coelioxys lanceolata Nylander, 1852 <i>Sp. sibirico-europea</i> VT References: 239, CK03 (absent in Italy)</p>	III	Not assessed	1	—	<p>Megachile nigriventris</p> <p>Flora: limited</p> <p>Univoltine</p>
19	<p>Coelioxys quadridentata (Linnaeus, 1758) <i>Sp. asiatico-europea</i> Ao, Pi, Lo, V, VT, FVG, To, Ma, Abr, Cal, Si References: 46, 68, 100, 104, 169, 202, 239, 286, 289, 363, 370, 386, 410, CK03, CK09, S75b</p>	I, II, III	Low	21	Bossolasco (Pi).	<p>Megachile leachella, M. circumcincta, M. willughbiella, Anthophora plagiata, A. furcata, Trachusa byssina</p> <p>Flora: varied</p> <p>Univoltine</p>

Subgen. Mesocoelioxys Ruszkowski, 1986

20	Coelioxys argentea Lepeletier, 1841 Sp. asiatico-europea Lo, To, La, Si References: 67, 69, 204, 206, 349, CK03, L4, L1 (argenteus)	I	Low	9	Capo Circeo (La), Is. Favignana (Si).	Osmia caerulescens, Megachile albisecta
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Taxon	Altitude (Italy)	Risk of extinction	No. of sites	Comba Collection (place, region)	Cleptoparasitism (hosts)
Distribution	I = 0-800				Floral preferences
Distribution of the records in Italian regions	II = 800-1600				Number of annual generations
References	III = 1600-2100				
	IV = > 2100				

Gen. Dioxys Lep. & Serv., 1825

1	Dioxys cincta (Jurine, 1807) Sp. turanico-europeo-mediterranea Pi, Li, VT, Em, La, Cp, Cal, Pu, Si References: 46, 54, 63, 67, 100, 158, 169, 184, 193, 205, 214, 225, 348, 363, 409, C12, CK03	I, II	Low	28	Ariccia (La), Albano Laziale (La).	Megachile sicula, M. parietina, M. pyrenaica, M. pyreanea, Hoplitis anthocopoides, H. adunca, H. benoisti, ? H. pallicornis, Osmia cerinthidis, Chelostoma florisomne Univoltine
	Dioxys cincta cincta (Jurine, 1807) Ssp. turanico-europeo-mediterranea Pi, Li, VT, Em, La, Cp, Cal, Pu, Si References: 63, C12	I, II			Ariccia (La), Albano Laziale (La).	Osmia cerinthidis
2	Dioxys moesta A. Costa, 1883 Sp. turanico-europeo-mediterranea Si, Sa References: 77, 363, CK03, S35	I	Moderate	1	—	Hoplitis anthocopoides, H. benoisti
3	Dioxys pumila Gerstaecker, 1869 Sp. turanico-europeo-mediterranea Si References: 348, 363, 583, CK03, S35	I, II	Low	6	—	Hoplitis annulata
	Dioxys pumila varipes De Stefani, 1887 Ssp. ovest-mediterranea	I, II			—	Hoplitis annulata

	Si References: 101, 348, 363, 583, S35					
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	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 (hosts) Floral preferences Number of annual generations
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Gen. Aglaoapis Cameron, 1901

1	Aglaoapis tridentata (Nylander, 1848) Sp. asiatico-europea Ao, Pi, Li, VT, Em, To, Ma, Cal, Pu, Sa References: 7, 214, 225, 363, 370, 386, CK03, CK09, S75b (sub Dioxys)	I, II, III	Low	12	—	Hoplitis adunca, H. ravouxi, H.anthocopoides, Megachile leachella, M. parietina, Osmia tergestensis, Trachusa byssina Flora: limited Univoltine
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	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. Hoplitis Klug, 1807

Subgen. Alcidadea Cresson, 1864

1	Hoplitis acuticornis (Dufour & Perris, 1840) Sp. palearctica Ao, Pi, Lo, FVG, Em, Ma, La, Abr, Mo, Pu, Si, Sa References: 67, 193, 203, 210, 363, 370, 386, 416, 457, CK03, CK09, L1, S75b (sub Osmia)	I, II	Low	21	Percile (La), Rovine di Veio (La), Ariccia (La), Torre Paola (La).	Stelis ornatula Oligoleptic Univoltine
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	<i>Hoplitis acuticornis acuticornis</i> (Dufour & Perris, 1840) Ssp. europeo-mediterranea Pi, FVG, Em, Ma, La, Abr, Mo, Pu, Si, Sa	I, II			<i>Percile (La), Rovine di Veio (La), Ariccia (La), Torre Paola (La).</i>	
2	Hoplitis brachypogon (Pérez, 1879) (syn : <i>Osmia carsophila</i> Duce 1899) [Prionohoplitis Tkalcu 1993] Sp. sud-europeo-est-mediterranea Ao, Li, FVG, To References: 26, 363, CK03, S16a, S75b (sub <i>Osmia carsophila</i> Duce)	I	Moderate	4	—	
	<i>Hoplitis brachypogon brachypogon</i> (Pérez, 1879) Ssp. sud-ovest-europea Li, FVG	I			—	
3	Hoplitis campanularis (Morawitz, 1878) [Prionohoplitis Tkalcu 1993] Sp. caucasico-sud-europeo-anatolico-maghrebina VT, La References: 67, 239, CK03	I, II	Moderate	2	—	?Oligoleptic Univoltine
	<i>Hoplitis campanularis campanularis</i> (Morawitz, 1878) Ssp. sud-europeo-anatolica VT, La	I, II			—	
4	Hoplitis ciliaris (Pérez, 1902) Sp. centro-sud-europea La References: C9, CK03 (absent in Italy)	I	Moderate	1	Ariccia (La).	?Monoleptic Univoltine
5	Hoplitis claviventris (Thomson, 1872) Sp. asiatico-europea Ao, Pi, Lo, VT, FVG, Abr, Si, Sa References: 68, 239, 247, 324, 363, 409, 457, CK03, S53, CK09, L1, S75b (sub <i>Osmia</i>)	I, II, III, IV	Low	15	Bossolasco (Pi).	<i>Stelis ornatula</i> , <i>S. minuta</i> Polyleptic Univoltine
	<i>Hoplitis claviventris claviventris</i> (Thomson, 1872) Ssp. asiatico-europea Pi, Lo, VT, FVG, Abr, Si, Sa	I, II, III, IV			<i>Bossolasco (Pi).</i>	
6	Hoplitis curvipes (Morawitz, 1871) [Prionohoplitis Tkalcu 1993] Sp. turanico-sud-europeo-anatolica To, La, Abr, Cal, Si References: 365, 612, 616, C8, CK03, S16a	I	Low	8	—	
7	Hoplitis epeoliformis (Duce, 1899) [Prionohoplitis Tkalcu 1993] Sp. maghrebino-est-mediterranea La References: 343, CK03 (absent in Italy)	I	Moderate	1	—	

8	Hoplitis grandiscapa (Pérez, 1895) Sp. sardo-maghrebina ? Sa References: 7, CK03, L5	I	Moderate	2	—	
9	Hoplitis leucomelana (Kirby, 1802) Sp. palearctica Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Cal, Pu, Si, Sa References: 7, 49, 68, 102, 172, 189, 203, 205, 239, 308, 324, 363, 370, 386, 416, 457, 485, C8, CK03, S53, S16a, S69, S76, CK09, L1, S75b (sub Osmia)	I, II, III	Slightest	40	<i>Luserna San Giovanni (Pi), Angrogna (Pi), San Benedetto Belbo (Pi), Bossolasco (Pi), Caorle (V), Orbetello /To), Valtopina (Um).</i>	Stelis ornatula, S. minuta Polylectic Univoltine
10	Hoplitis mitis (Nylander, 1852) Sp. asiatico-europea Ao, Pi, VT, FVG, Um, Cp References: 68, 239, 363, 386, 457, CK03, S53, CK09, S75b (sub Osmia)	I, II, III	Low	11	Entrèves (Ao).	Closely oligoleptic Univoltine
	Hoplitis mitis mitis (Nylander, 1852) Ssp. asiatico-europea Ao, Pi, VT, FVG, Um, Cp	I, II, III			Entrèves (Ao).	
11	Hoplitis occidentalis Mueller, 2012 Sp. ovest-mediterranea Sa References: 324, CK03, CK12	Not assessed	Moderate	1	—	
12	Hoplitis praestans (Morawitz, 1894) Sp. centro-asiatico-europeo-mediterranea Pi, VT, Abr References: 239, 363, CK03, S53, S75b (sub Osmia)	I	Low	5	—	Oligoleptic Univoltine
13	Hoplitis tridentata (Dufour & Perris, 1840) Sp. centro-asiatico-europeo-mediterranea Ao, Pi, Lo, V, VT, FVG, Em, To, La, Pu, Si References: 175, 189, 208, 214, 247, 346, 363, 457, C8, CK03, S16a, S76, S90a, CK09, L1, S75b (sub Osmia)	I, II	Low	20	Albano Laziale (La).	Stelis minuta, S. ornatula Oligoleptic Univoltine
Subgen. Anthocopa Lep. & Serv. 1825						
14	Hoplitis bisulca (Gerstaecker, 1869) Sp. turanico-europeo-mediterraneo-anatolica Li, To, La, Mo, Bas, Si References: 67, 184, 193, 289, 363, 416, CK03, S16a	I	Low	11	Ostia Antica (La), Torre Paola (La).	
15	Hoplitis cristatula Zanden, 1990 Sp. turanico-europeo-mediterraneo-anatolica Li, To, La, Si References: 67, 204, 293, 363, 416, CK03	I	Low	8	Monte Mario (La), Roma (La), Agrigento (Si).	
16	Hoplitis dalmatica (Morawitz, 1872) Sp. sud-europeo-anatolica Ao, Pi, VT, Ma, La, Sa	I, II	Low	8	Percile (La).	Oligoleptic

	References: 208, 239, 386, 457, CK03, S53					Univoltine
17	Hoplitis fasciculata (Alfken, 1934) Not syn of <i>H. rugidorsis</i> (Pérez, 1895) Sp. centro-est-mediterranea La ?, Sa References: 7, 67, 324, 416, CK03	I	Moderate	4	—	
18	Hoplitis jakovlevi (Radoszkowsky, 1874) Sp. palearctica Italy, Si References: 324, 363, CK03	I	Not assessed	2	—	
19	Hoplitis mocsaryi Friese, 1895 Sp. ovest-est-europeo (disg.) anatolica To References: S16a	I	Not assessed	1	—	
20	Hoplitis papaveris (Latreille, 1799) Sp. asiatico-europea Pi, Li, V, VT, Em, To, Si, Sa References: 46, 102, 109, 180, 239, 363, 457, 485, CK03, S16a, S76	I, II	Low	12	—	Coelioxys inermis, C. mandibularis Polyleptic Univoltine
21	Hoplitis perezii (Ferton, 1895) Sp. centroasiatico-europeo-anatolico-maghrebina FVG, To, La, Si, Sa References: 113, 494, 518, CK03, S16a, S22a	I	Moderate	8	Tivoli (La).	
22	Hoplitis rugidorsis (Pérez, 1895) ? ≠ <i>H. fasciculata</i> (Alfken, 1934) ? Sp. anatolico-maghrebina La References: C9, CK03 (absent in Italy)	I	Moderate	1	Roma (La).	
23	Hoplitis saxialis van der Zanden 1994 Sp. italico-greco-anatolico-europea orientale Italy References: CK03, CK12	Not assessed	Not assessed			
24	Hoplitis tuberculata (Nylander, 1848) [Monumetha Cresson 1864] Sp. asiatico-europea Pi, V, VT References: 46, 208, 363, 528, CK03	II, III, IV	Moderate	6	—	Stelis phaeoptera Polyleptic Univoltine
	<i>Hoplitis tuberculata cylindrica</i> (Giraud, 1857) Ssp. centro-sud-europea Pi, V, VT References: 46, 139, 208, 363, 528	II, III, IV			—	
25	Hoplitis villosa (Schenck, 1853) Sp. europea	I, II, III, IV	Low	7	—	Oligoleptic

	Pi, VT, To, Abr References: 144, 363, 457, CK03, S53, S16a					Univoltine
Subgen. Formicapis Sladen, 1916						
26	Hoplitis robusta (Nylander, 1848) Sp. olartico-boreo-alpina VT References: 147, CK03	II, III	Not assessed	4	—	
Subgen. Hoplitis Klug, 1807						
27	Hoplitis adunca (Panzer, 1798) Sp. turanico-europeo-mediterranea Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Cp, Bas, Cal, Pu, Si, Sa References: 7, 46, 52, 63, 68, 74, 102, 111, 203, 205, 206, 208, 225, 247, 300, 363, 370, 386, 409, 416, 457, 639, C13, CK03, S53, S69, S91, CK09, L1	I, II, III	Slightest	77	Prali (Pi), Ghigo (Pi), Capo d'Acqua (Um), Montefiascone (La), Percile (La), Percile laghi (La), Monte Mario (La), Torre Cervara (La), Roma (4 loc.) (La), Albano Laziale (La), Ariccia (2 loc.) (La), Montecompatri (La), Tor Vaianica (La), Pratica di Mare (La), San Felice Circeo (2 loc.) (La) Isola Vulcano (Si).	Dioxys cincta, Stelis breviscula, S. punctulatissima, Coelioxys rufescens, Aglaoapis tridentata Closely oligoleptic Univoltine/ ?sometimes bivoltine
28	Hoplitis annulata (Latreille, 1811) [Annosmia Warncke 1991] Sp. turanico-europeo-mediterranea Li, To, La, Si, Sa References: 7, 204, 363, 364, 494, CK03, S35, S16a (ssp crenulata)	I	Low	13	San Felice Circeo (La).	Dioxys pumila varipes
	Hoplitis annulata annulata (Latreille, 1811) Ssp. turanico-europeo-mediterranea Si References: 364	Not assessed			—	
	Hoplitis annulata crenulata (Morawitz, 1872) Ssp. turanico-europeo-mediterranea Li, To, La, Si, Sa References: 7, 101, 204, 363, 364, 494, S16a (as species)	I			San Felice Circeo (La).	
29	Hoplitis anthocopoides (Schenck, 1853) Sp. olartica Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Bas, Pu, Si References: 31, 46, 63, 68, 102, 208, 239, 320, 363, 370, 386, 409, 416, 457, CK03, S35, S53, CK09	I, II, III	Slightest	31	Ghigo di Prali (Pi), Isola d.Giglio (To), Monte Tezio (Um), Prima Porta (La), Ariccia (2 loc.) (La).	Dioxys cincta, D. moesta Stelis breviscula, S. phaeoptera, S. murina, Aglaoapis tridentata Closely oligoleptic Univoltine
	Hoplitis anthocopoides anthocopoides (Schenck, 1853)	I, II, III			Ghigo di Prali (Pi), Isola d.Giglio (To),	

	Ssp. centro-europea Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Bas, Pu, Si				Monte Tezio (Um), Prima Porta (La), Ariccia (2 loc.) (La).	
30	Hoplitis benoisti (Alfken, 1935) (syn of <i>M. pyrenaica</i> ?). Sp. ovest-mediterranea Pi, Li, VT, FVG, Em, To, Um, La, Abr, Mo, Pu, Si, Sa References: 7, 67, 210, 363, 370, 416, CK03, S35, S16a	I	Low	19	Lagustelli di Percile (La), Ariccia (La), San Felice Circeo (La).	Dioxys cincta, D. moesta
	Hoplitis benoisti benoisti (Alfken, 1935) Ssp. ovest-mediterranea Pi, Li, VT, FVG, Em, To, Um, La, Abr, Mo, Pu, Si, Sa	I			Lagustelli di Percile (La), Ariccia (La), San Felice Circeo (La).	
31	Hoplitis bihamata (A. Costa, 1885) Sp. ovest-mediterranea To, Sa References: 7, 300, 363, CK03	I, II	Moderate	4	—	
32	Hoplitis fertoni (Pérez, 1891) Sp. ovest-mediterranea Si References: 193, CK03	I	Moderate	1	—	
33	Hoplitis insularis (Schmiedeknecht, 1886) Sp. ovest-mediterranea Mainland Italy; Si, Sa References: 193, 356, 363, CK03	I	Moderate	4	Punta Ceraso (Sa).	
34	Hoplitis jheringi (Ducke, 1898) Sp. mediterranea FVG, Em, To, Ma References: 205, 320, 363, 386, CK03, S16a, S76	I, II	Moderate	6	—	Oligoleptic Univoltine
	Hoplitis jheringi jheringi (Ducke, 1898) Ssp. nord-mediterranea FVG, Em, Ma	I, II			—	
35	Hoplitis lepeletieri (Pérez, 1879) Sp. asiatico-sud-ovest-europea Ao, Pi, Li, VT, Bas, Cal References: 68, 208, 225, 239, 310, 363, 457, CK03, S53, CK09	I, II, III	Low	23	Ghigo di Prali (Pi).	Closely oligoleptic Univoltine
36	Hoplitis loti (Morawitz, 1867) nec (Morice, 1901) Sp. asiatico-sud-ovest-europea Ao, Pi, Lo, VT, FVG, Em, Um, La, Abr, Si References: 63, 102, 143, 203, 208, 239, 356, 363, 386, 457, C8, CK03, S53, CK09, L1	I, II, III, IV	Low	19	Ariccia (La).	Dioxys cincta Oligoleptic ?Univoltine
37	Hoplitis manicata (Morice, 1901) Sp. nord-ovest-mediterraneo-anatolica To, La, Pu References: 206, 363, 508, CK03	I	Low	5	San Felice Circeo (La).	

38	Hoplitis marchali (Pérez, 1902) Sp. ovest-mediterranea Pi, La, Si References: 356, 363, CK03	I	Moderate	3	San Felice Circeo (La).	
(39)	Hoplitis mucida (Dours 1873) Sp. ovest e est-mediterranea Ao, Pi, V, Si = findings to be reported to stecki References: 205, 324, 363, CK03, S27, S47, CK09, S75b (sub <i>Osmia mucida</i> !)	I, II	Moderate	9	—	Oligoleptic
	Hoplitis mucida mucida (Dours 1873) Ssp. ovest e est-mediterranea Si ? References: 324	Not assessed			—	
40	Hoplitis ochraceicornis (Ferton, 1902) Sp. sud-ouest-europea Ma References: 386, CK03	I	Moderate	1	—	
41	Hoplitis pallicornis (Friese, 1895) Sp. centro-est-mediterranea FVG, Cp References: 73, 363, CK03	I	Not assessed	2	—	? <i>Dioxys cincta</i> ?Polyleptic Univoltine
42	Hoplitis ravouxi (Pérez, 1902) Sp. asiatico-sud-europea Pi, VT, Em, Ma, Cal, Sa References: 47, 203, 363, 386, 409, CK03	I, II	Low	9	—	<i>Aglaopis tridentata</i> , <i>Coelioxys mandibularis</i> Oligoleptic Univoltine
43	Hoplitis stecki (Frey-Gessner, 1908) Sp. sud-ouest-europea Pi, V, Si References: 205, 363, S47 (elevated to the species rank !)	I, II	Critic	4	—	
44	Hoplitis submanicata Zanden, 1984 Sp. siculo-maghrebina Si References: 613, CK03	Not assessed	Not assessed	1	—	
Subgen. <i>Micreriades</i> Mavromoustakis, 1958						
45	Hoplitis illyrica Noskiewicz, 1926 Sp. sud-europeo-anatolica Si References: 346, CK03	I	Low	3	—	
46	Hoplitis tenuispina (Alfken, 1937) [<i>Alcidamea</i>]	I	Low	9	—	

	Sp. centro-sud-europea Pi, FVG, Em, To, Um References: 206, 363, 370, 416, CK03, S16a, S76					
Subgen. Pentadentosmia Warncke, 1991						
47	Hoplitis laevifrons (Morawitz, 1872) Sp. asiatico-europea Pi, Li, VT, FVG, To References: 239, 363, 370, CK03, S16a	I	Low	6	Borgomale (Pi).	Univoltine

	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
Gen. Osmia Panzer, 1806						
Subgen. Allosmia Tkalcu, 1974						
1	Osmia melanura (Morawitz, 1872) Sp. turanico-europea Pu, Si References: 324, 363, C10, CK03	I	Low	3	—	
2	Osmia rufohirta (Latreille, 1811) Sp. centro-asiatico-europeo-mediterranea Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Mo, Pu, Si, Sa References: 46, 54, 63, 67, 68, 113, 189, 193, 203, 205, 206, 209, 239, 289, 363, 370, 386, 416, 457, 634, 639, C13, CK03, S16a, S61, CK09, L1, S75b	I, II, III	Slightest	68	Entrèves (Ao), Albenga (Li), Monte Tezio (Um), dintorni di Capodacqua (Um), Orvinio (2 loc.) (La), Percile (La), Monte Caccione (Lepini) (La), Licenza (La), Tivoli (La), Monte Mario (La), Castel Fusano (La), Torre Paola (La), Rivisondoli (Abr).	?No cleptoparasites Polyleptic / oligoleptic Univoltine
	Osmia rufohirta rufohirta (Latreille, 1811) Ssp. centro-asiatico-europea Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Mo, Pu, Si, Sa	I, II, III			Entrèves (Ao), Albenga (Li), Monte Tezio (Um), dintorni di Capodacqua (Um), Orvinio (2 loc.) (La), Percile (La), Monte Caccione (Lepini) (La), Licenza (La), Tivoli (La), Monte Mario (La), Castel Fusano (La), Torre Paola (La), Rivisondoli (Abr).	
Subgen. Erythrosmia Schmiedeknecht 1885						
3	Osmia andrenoides (Spinola, 1808) Sp. turanico-europeo-est-mediterranea Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Mo, Bas, Pu, Si, Sa	I, II	Slightest	36	Borgomale (Pi), Torri del Benaco (V), Vasia (Li), San Gregorio da Sassola (La), Assergi (Abr).	Oligoleptic/Polyleptic Partly bivoltine

	References: 54, 67, 111, 180, 190, 193, 203, 205, 239, 289, 363, 370, 386, 409, 416, CK03, S53, S16a, S76 (sub Anthocopa), CK09, S75b					
4	<i>Osmia erythrogastra</i> (Ferton, 1905) Sp. nord-mediterraneo-anatolica Em, To, Um, Si, Sa References: 337, 363, 416, 508, CK03, S16a, S76 (sub Anthocopa)	I	Low	10	—	
Subgen. <i>Helicosmia</i> Thomson, 1872						
5	<i>Osmia alfkenii</i> Ducke, 1899 (= <i>O. niveibarbis</i> Pérez, 1902) Sp. ovest- e est-mediterranea Si, Sa References: 363, 620, CK03	I	Moderate	4	—	
6	<i>Osmia aurulenta</i> (Panzer, 1799) Sp. turanico-europeo-maghrebina Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Mo, Cal, Pu, Si, Sa References: 7, 46, 63, 67, 102, 111, 180, 189, 192, 193, 203, 204, 208, 221, 239, 289, 330, 363, 366, 370, 386, 409, 416, CK03, S53, S16a, S76, S91, CK09, L1, S75b	I, II	Slightest	102	Capo d'Acqua (Um), Monte Tezio (Um), Montefiascone (La), Orvinio (La), Percile (3 loc.) (La), Prima Porta (La), Monte Mario (La), Roma (La), Pisoniano (La), Albano Laziale (La), Castel Fusano (La), Ardea (La), Paola, Torre- (La), San Felice Circeo (La), Ovindoli (Abr), Gioia Vecchio (Abr).	Stelis punctulatissima, S. p. phaeoptera, S. murina Polylectic / oligoleptic Univoltine/bivoltine
7	<i>Osmia caerulescens</i> (Linnaeus, 1758) Sp. olartica Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Mo, Bas, Cal, Si, Sa References 7, 15, 47, 63, 67, 68, 100, 102, 111, 113, 183, 186, 189, 193, 203, 204, 205, 206, 208, 213, 216, 218, 239, 286, 300, 330, 363, 409, 416, 508, C13, CK03, S53, S16a, CK09, L1	I, II	Slightest	106	Angrogna (Pi), Monte Cimino (La), Montefiascone (La), Percile (La), Prima Porta (La), Monte Mario (La), Roma (3 loc.) (La), Torre Cervara (La), Maccarese (La), Albano Laziale (La), Ariccia (La), Ardea (La), Acilia (La), Terracina (La), Cisterna di Latina (La), San Felice Circeo (La).	Coelioxys argentea, Stelis ornatula Polylectic Bivoltine
	<i>Osmia caerulescens caerulescens</i> (Linnaeus, 1758) Ssp. olartica Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Mo, Bas, Cal, Si, Sa	I, II			Angrogna (Pi), Monte Cimino (La), Montefiascone (La), Percile (La), Prima Porta (La), Monte Mario (La), Roma (3 loc.) (La), Torre Cervara (La), Maccarese (La), Albano Laziale (La), Ariccia (La), Ardea (La), Acilia (La), Terracina (La), Cisterna di Latina (La), San Felice Circeo (La).	
8	<i>Osmia dimidiata</i> Morawitz, 1871 Sp. centro-asiatico-ovest-mediterranea Pi, Lo, To, Ma, La, Cal, Si, Sa References: 7, 113, 330, 346, 363, 384, 386, 409, 527, C8, CK03, S16a	I, II	Low	26	P. N. Monti Sibillini (Ma).	Univoltine/bivoltine
	<i>Osmia dimidiata dimidiata</i> Morawitz, 1871 Ssp. centro-asiatico-europeo Si, Sa References: 363	I, II			—	

	<i>Osmia dimidiata rossica</i> Friese, 1887 Ssp. mediterraneo-est-europea Pi, Lo, Ma, Cal, Si, Sa References: 330, 346, 363, 384, 386, 409, 527	I, II			P. N. Monti Sibillini (Ma).	
9	<i>Osmia dives</i> Mocsáry, 1877 Sp. centro-asiatico-centro-est-mediterranea La, Sa References: 63, 494, CK03 (absent in Italy)	I	Moderate	2	Roma (La).	Univoltine/bivoltine
10	<i>Osmia frieseana</i> Duce, 1899 Sp. sud-ovest-europeo-mediterranea Sa References: CK03	Not assessed	Not assessed	1	—	
11	<i>Osmia heteracantha</i> Pérez, 1896 (uncertain and confused nomenclature situation) Sp. ovest-mediterranea Mo, Si, Sa References: 324, 416, 597, CK03, CK04, L5	I	Low	3	—	
12	<i>Osmia labialis</i> Pérez, 1878 Sp. europeo-maghrebina Pi, Lo, FVG, Em, La References: 363, 457, 617, 620, CK03, S53, L1	I, II, III	Low	8	Abetine Monte Vaccia (Pi).	Oligoleptic
	<i>Osmia labialis labialis</i> Pérez, 1878 Ssp. ovest-europea Pi, FVG, Em, La	I, II, III			Abetine Monte Vaccia (Pi).	
13	<i>Osmia latreillei</i> (Spinola, 1806) Sp. turanico-europeo-nord-africana-arabico-macaronesica Li, V, FVG, Em, To, La, Cp, Cal, Pu, Si, Sa References: 7, 63, 66, 67, 113, 190, 193, 202, 204, 206, 208, 214, 218, 227, 228 294, 300, 330, 363, 369, 384, 409, 485, 491, C8, CK03, S16a	I, II	Low	60	Isola del Giglio (To), Roma (4 loc). (La), Positano (Cp), Isola Filicudi (Si), Isola Vulcano (Si).	
	<i>Osmia latreillei iberoafricana</i> Peters, 1975 Ssp. ovest-europeo-nord-africana Si References: 102, 113, 193, 214, 228, 330, 363, 369, 384, 485	I			Isola Filicudi (Si), Isola Vulcano (Si). Is. Lampedusa (Si).	? Univoltine subspecies
	<i>Osmia latreillei latreillei</i> (Spinola, 1806) Ssp. sud-europeo-mediterraneo-macaronesica Li, V, FVG, Em, To, La, Cp, Cal, Pu References: 63, 67, 190, 202, 204, 208, 218, 227, 300, 363, 409, 491	I, II			Isola del Giglio (To), Roma (4 loc). (La), Positano (Cp),	
14	<i>Osmia leaiana</i> Kirby, 1802) Sp. palearctica Ao, Pi, Lo, V, VT, FVG, Ma, Um, La, Abr, Cal, Si References: 47, 67, 68, 102, 144, 206, 208, 363, 386, 457, 480, 527, CK03, S90, L1, S75b	I, II, III, IV	Low	24	Prali (Pi), P. N. Monti Sibillini (Ma), Ariccia (La).	Stelis phaeoptera Broadly oligoleptic Univoltine

	<i>Osmia leaiana leaiana</i> (Kirby, 1802) Ssp. turanico-europeo-mediterranea Ao, Pi, V, VT, FVG, Ma, Um, La, Abr, Cal, Si	I, II, III, IV			<i>Prali (Pi), P. N. Monti Sibillini (Ma), Ariccia (La).</i>	
15	<i>Osmia melanogaster</i> Spinola, 1808 Sp. centro-asiatico-europeo-mediterranea Pi, Li, VT, FVG, Em, To, La, Abr, Cal, Pu, Si References: 54, 102, 174, 206, 208, 239, 289, 316, 330, 363, 409, 416, 492, CK03, S16a	I, II	Low	29	Torre Paola (La), San Felice Circeo (La).	Oligoleptic Univoltine
	<i>Osmia melanogaster melanogaster</i> Spinola, 1808 Ssp. centro-asiatico-europea Pi, Li, VT, FVG, Em, To, La, Abr, Cal, Pu, Si	I, II			<i>Torre Paola (La), San Felice Circeo (La).</i>	
16	<i>Osmia nasoproducta</i> Ferton, 1909 Sp. ovest-mediterranea Sa References: 624, CK03	I	Moderate	1	—	
17	<i>Osmia niveata</i> (Fabricius, 1804) Sp. palearctica (Syn of <i>Osmia fulviventris</i> (Panzer, 1798)) Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Um, La, Mo, Cp, Cal, Si, Sa References: 63, 67, 68, 102, 113, 189, 193, 203, 208, 225, 227, 239, 330, 363, 409, 416, 418, 457, 485, 503, 519, 527, C13, CK03, S4, S53, CK09, L1, S75b	I, II	Slightest	76	Massello (Pi), Prali (Pi), Nepi (La), Prima Porta (La), Mario, Monte- (La), Torre Cervara (La), Tor Sapienza (La), Roma (5 loc) (La), Palestrina (La), Albano Laziale (2 loc.) (La), Ariccia (2 loc.) (La), Torre Paola (La), Forca di Valle (Abr).	Stelis phaeoptera, S. punctulatissima Oligoleptic Univoltine/bivoltine
18	<i>Osmia niveocincta</i> Pérez, 1897 Sp. sud-europeo-maghebina La, Abr, Cp, Pu, Si, Sa References: 102, 330, 363, 494, 597, C8, CK03	I	Low	9	Vesuvio v. Nord, str.cratere (Cp).	
19	<i>Osmia notata</i> (Fabricius, 1804) Sp. sud-europeo-mediterranea V, Em, To, La, Bas, Pu, Si, Sa References: 102, 190, 204, 208, 330, 363, 365, 597, 626, C8, CK03	I, II	Low	13	—	Stelis phaeoptera
20	<i>Osmia signata</i> Erichson, 1835 Sp. palearctica Li, V, VT, Em, La, Bas, Si, Sa References: 7, 67, 84, 86, 100, 102, 184, 189, 203, 239, 330, 363, 366, 416, 485, 492, 494, 621, C8, CK03	I, II	Low	49	Ponte Galeria (La), Monte Mario (La), Roma (La), Albano Laziale (La), Ariccia (La).	Stelis phaeoptera
	<i>Osmia signata laticincta</i> Pérez, 1879 Ssp. ispano-italica La, Si References: 363, C8	I			—	Stelis phaeoptera, S. murina
	<i>Osmia signata signata</i> Erichson, 1835 Ssp. europeo-mediterraneo-anatolica Li, V, VT, Em, La, Bas, Si, Sa References: 67, 184, 189, 203, 239, 330, 363, 366, 416, 485, 492, 494, 621	I, II			<i>Ponte Galeria (La), Monte Mario (La), Roma (La), Albano Laziale (La), Ariccia (La).</i>	

(21)	Osmia subaenea Pérez, 1895 change of rank of <i>M. melanogaster subaenea</i> (from subspecies to species) = (not shared) Sp. ovest-mediterranea Si References: 527	Not assessed	Not assessed	1	—	Univoltine/bivoltine
22	Osmia subcornuta Morawitz, 1875 Sp. centroasiatico-europea FVG References: 167, CK03, CK12, S90b, L5,	I	High Last record: 1890?	2	—	Univoltine
23	Osmia tunensis (F. 1787) nec Lepeletier 1841 Sp. ovest-mediterranea Si References: 363, 597, CK03	I	Low	2	—	
(24)	Osmia ventralis (Panzer, 1798) Nomen dubium synonymous of <i>O. leaiana</i> (K. 1802) Sp. europeo-maghrebina Pi, V, Em (uncertain attributions) References: 190, 204, 363	I	Moderate	3	—	Stelis p. punctulatissima ?Univoltine
	Osmia ventralis ventralis (Panzer, 1798) Ssp. europeo-maghrebina Pi, V, Em References: 204	I			—	
Subgen. Hemiosmia Tkalcu, 1975						
25	Osmia argropyga Pérez, 1879 Sp. ovest-mediterranea Pi, Em References: 214, 363, CK03	I, II, III	Not assessed	2	—	
26	Osmia balearica Schmiedeknecht, 1885 Sp. balearico-sicula Si References: 193, CK03 (absent in Italy)	I	Moderate	1	—	
Subgen. Hoplosmia Thomson, 1872						
27	Osmia anceyi (Perez, 1879) Sp. centro-sud-europeo-maghrebina Italy; FVG (presence in Italy to be confirmed) References: 168, 356, CK03 (absent in Italy), S53	I	High Last record: 1893	2	—	Oligoleptic
	Osmia anceyi anceyi (Perez, 1879) Ssp. centro-sud-europeo Italy; FVG	I		2	—	
28	Osmia bidentata (Morawitz, 1876) Sp. turanico-europeo-mediterraneo-anatolica Pi, Lo, V, FVG, Em, To, La, Abr References: 67, 180, 200, 206, 363, 409, 416, 507, 508,	I	Low	12	—	Oligoleptic Univoltine

	CK03, S16a					
	<i>Osmia bidentata bidentata</i> (Morawitz, 1876) Ssp. europeo-mediterraneo-anatolica Pi, Lo, V, FVG, Em, To, La, Abr	I			—	
29	<i>Osmia croatica</i> (Friese, 1893) Sp. italico-balcanico-anatolica FVG, To, Um, Pu References: 203, 363, 507, 508, 525, 625, CK03, S16a	I	Low	8	—	Oligoleptic Univoltine
30	<i>Osmia ligurica</i> (Morawitz, 1868) Sp. turanico-europeo-mediterraneo-maghrebina Ao, Pi, Li, Lo, V, Em, To, Um, La, Abr, Mo, Cp, Bas, Pu, Si, Sa References: 7, 63, 68, 102, 180, 193, 203, 204, 205, 206, 208, 214, 293, 300, 363, 370, 416, 525, 617, CK03, S16a, L1, S75b	I	Slightest	46	San Benedetto Belbo (Pi), Percile (La), Manziana (La), Prima Porta (La), Monte Mario (La), Roma (La), Ariccia (La), Ninfa La), Mezzomonte (La).	Oligoleptic Univoltine
31	<i>Osmia picena</i> Tkalcu, 1999 Sp. appenninica Ma, Um (see table endemic species/subspecies) References: 386, 536, CK03, CK12	II, III	Moderate	3	—	
32	<i>Osmia scutellaris</i> (Morawitz, 1868) Sp. palearctica Ao, Pi, Li, Lo, VT, FVG, Em, To, Ma, Um, La, Abr, Mo, Cp, Bas References: 67, 180, 206, 363, 370, 386, 416, 525, CK03, L1, S75b	I, II	Low	26	P.N. Monti Sibillini (Ma), Percile (La), Ariccia (La), San Felice Circeo (La), Montefalcone Sannio (Mo).	Oligoleptic Univoltine
33	<i>Osmia spinulosa</i> (Kirby, 1802) Sp. centro-asiatico-europea Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Mo, Bas, Cal, Pu, Si References: 63, 67, 203, 206, 209, 214, 225, 239, 363, 370, 386, 416, 457, 508, 525, CK03, S53, S16a, S76 (sub Anthocopa), S90, S90a, L1, S75b	I, II, III	Slightest	51	P.N. Monti Sibillini (Ma), Valtopina (Um), Percile (La), Val di Varri La), Monte Mario (La), Terracina (La), Torre Paola (La), Val Fondillo (Abr), Rivisondoli (Abr).	Stelis odontopyga Broadly oligoleptic Univoltine
Subgen. Melanosmia Schmiedekn. 1885						
34	<i>Osmia alticola</i> Benoist, 1922 Sp. centro-sud-europea Ao, Alps References: 620, CK03 (absent in Italy), CK09	Not assessed	Not assessed	2	—	
35	<i>Osmia inermis</i> (Zetterstedt, 1838) Sp. olartica Pi, V, VT, FVG, Abr References: 46, 147, 363, 531, 617, CK03	II, III, IV	Moderate	9	—	Polyleptic (limited) Univoltine
	<i>Osmia inermis bulgarica</i> Friese, 1922 Ssp. appenninico-balcanica Italy; Abr References: 531, 617	III			—	

	<i>Osmia inermis inermis</i> (Zetterstedt, 1838) Ssp. centroasiatico(?) - sud-europea Pi, V References: 363	II, III, IV			—	
36	<i>Osmia laticeps</i> Thomson, 1872 = <i>Osmia hyperborea</i> Tkalcu, 1983 Sp. olartica To (? dubious diagnosis of the finding ?) References: 507, CK03 (absent in Italy)	I	Moderate	1	—	
37	<i>Osmia nigriventris</i> (Zetterstedt, 1838) Sp. olartica Pi, VT References: 68, 139, 147, CK03	II, III, IV	Moderate	4	Prali (Pian dell'Alpet) (Pi).	Polyleptic Univoltine
38	<i>Osmia parietina</i> Curtis, 1828 Sp. palearctica Ao, Pi, VT, Em, To, Abr References: 46, 214, 239, 363, 507, 531, CK03, S53	I, II, III, IV	Low	10	Prali (Pi).	Stelis phaeoptera Polyleptic Univoltine
39	<i>Osmia steinmanni</i> Müller, 2002 Sp. elvetico-italica Italy, VT References: 324, S29b, CK03, L5	Not assessed	Not assessed	2	—	
40	<i>Osmia uncinata</i> Gerstaecker, 1869 Sp. asiatico-europea Ao, V, VT, To, Southern Italy References: 46, 363, 531, CK03, S53, CK09	I, II, III, IV	Moderate	5	—	Polyleptic Univoltine
41	<i>Osmia xanthomelana</i> (Kirby, 1802) Sp. asiatico-europea Li, Lo, V, Vt, FVG, To, Ma, La, Abr References: 46, 67, 208, 239, 289, 363, 386, CK03, S53, L1	I, II, III, IV	Low	11	—	Oligoleptic Univoltine
	<i>Osmia xanthomelana xanthomelana</i> (Kirby, 1802) Ssp. asiatico-europea Li, V, Vt, FVG, To, Ma, La, Abr	I, II, III, IV			—	

Subgen. Metallinella Tkalcu, 1966

42	<i>Osmia brevicornis</i> (Fabricius, 1798) Sp. palearctica Ao, Pi, Li, Lo, VT, To, La, Abr, Cal References: 67, 155, 158, 218, 239, 363, 416, C13, CK03, S53, S69, CK09, L1, S75b	I, II	Low	36	Percile (La), Maccarese (La), Torre Cervara (La), Monte Mario (La), Roma (La), Palestrina (La), Pratica di Mare (La), Castel Porziano (La), Albano Laziale (3 loc.) (La), Ariccia (2 loc.) (La).	Stelis phaeoptera Oligoleptic Univoltine
	<i>Osmia brevicornis brevicornis</i> (Fabricius, 1798) Ssp. europea Pi, Li, VT, To, La, Abr, Cal	I, II			<i>Percile (La), Maccarese (La), Torre Cervara (La), Monte Mario (La), Roma (La), Palestrina (La), Pratica di Mare (La), Castel Porziano (La), Albano Laziale (3 loc.) (La), Ariccia (2 loc.) (La).</i>	

Subgen. Neosmia Tkalcu, 1974						
43	<p><i>Osmia bicolor</i> (Schrank, 1781) Sp. asiatico-europea Pi, Lo, V, VT, FVG, Em, Ma, Um, Si References: 48, 102, 109, 111, 180, 307, 363, 386, 409, 485, 634, CK03, S61, S69, S90a, L1</p>	I, II	Low	20	—	?No cleptoparasites Polyleptic Univoltine
Subge. Osmia Panzer, 1806						
44	<p><i>Osmia apicata</i> Smith, 1853 [Monosmia Tkalcu 1974] Sp. turanico-europea Italy; Ma References: 363, 386, CK03</p>	I	Moderate	2	—	Oligoleptic Univoltine
45	<p><i>Osmia bicornis</i> (Linnaeus, 1758) (= <i>O. rufa</i> (Linnaeus, 1758)) Sp. turanico-europeo-mediterranea Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Mo, Cp, Bas, Cal, Si, Sa References: 7, 15, 46, 52, 63, 67, 180, 189, 203, S53, S53, 204, 205, 208, 210, 213, 214, 225, 286, 324, 330, 363, 370, 386, 409, 416, 436, 437, 444, 450, 487, 494, 547, C14, L1, CK03, S53, S69</p>	I, II	Slightest	101	<p>Lucignano (To), Perugia (2 loc.) (Um), Ponte Felcino (Um), Monte Tezio (Um), Monte Subasio (Um), Mercatello (Um), Monte Cimino (La), Percile (La), Civitella San Paolo (La), Maccarese (La), Tivoli (La), Palestrina (La), Prima Porta (La), Monte Mario (2 loc.) (La), Roma (2 loc.) (La), Castelporziano (La), Vitinia (La), Albano Laziale (3 loc.) (La), Ariccia (La), Sabaudia (La), Duna di Torre Paola (La), Lago di Monaci (La), Forca di Valle (La).</p>	? Stelis phaeoptera. According to the majority of the Authors, no cleptoparasites Polyleptic Univoltine
	<p><i>Osmia bicornis bicornis</i> (Linnaeus, 1758) Ssp. europeo-mediterranea Sa References: 324</p>	Not assessed			—	
	<p><i>Osmia bicornis fracticornis</i> Pérez, 1895 Ssp. tirrenico-maghrebina Si, Sa References: 7, 363, 494</p>	I, II			—	
	<p><i>Osmia bicornis globosa</i> (Scopoli, 1763) Ssp. turanico-sud-europeo-maghrebina Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Mo, Cp, Bas, Cal, Si References: 46, 52, 14, 63, 67, 180, 189, 203, 205, 208, 213, 214, 225, 286, 363, 370, 386, 409, 416, 436, 437, 444, 450, 547</p>	I, II			<p>Lucignano (To), Perugia (2 loc.) (Um), Ponte Felcino (Um), Monte Tezio (Um), Monte Subasio (Um), Mercatello (Um), Monte Cimino (La), Percile (La), Civitella San Paolo (La), Maccarese (La), Tivoli (La), Palestrina (La), Prima Porta (La), Monte Mario (2 loc.) (La), Roma (2 loc.) (La), Castelporziano (La), Vitinia (La), Albano Laziale (3 loc.) (La), Ariccia (La), Sabaudia (La), Duna di Torre Paola (La), Lago di Monaci (La), Forca di Valle (La).</p>	
46	<p><i>Osmia cerinthidis</i> Morawitz, 1876 Sp. turanico-europeo-anatolica</p>	I, II, III	Moderate	3	—	Closely oligoleptic

	Pi, Si References: 363, 383, 617, CK03					Univoltine
	<i>Osmia cerinthidis cerinthidis</i> Morawitz, 1876 <i>Ssp. turanico-europeo-anatolica</i> Pi References: 363	III			—	
	<i>Osmia cerinthidis crassiclypeata</i> Peters, 1978 <i>Ssp. sicula</i> Si (see table endemic species/subspecies) References: 383, 617	Not assessed			—	
47	<i>Osmia cornuta</i> (Latreille, 1805) <i>Sp. turanico-europeo-mediterranea</i> Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Mo, Cp, Cal, Si References: 46, 54, 63, 67, 100, 102, 111, 113, 186, 203, 204, 206, 225, 286, 289, 363, 386, 409, 416, 434, 487, C8, C10, CK03, S4, S53, L1	I, II	Slightest	50	San Benedetto Belbo (Pi), Lucignano (To), Perugia (Um), Mercatello (Um), Percile (La), Monti della Tolfa (La), Gerano (La), Prima Porta (La), Ariccia (2 loc.) (La), Ovindoli (Abr).	No cleptoparasites Polylectic Univoltine
	<i>Osmia cornuta cornuta</i> (Latreille, 1805) <i>Ssp. europeo-maghrebina</i> Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Mo, Cp, Cal, Si References: 63, 67, 203, 204, 225, 286, 289, 363, 386, 409, 416, 434, 487	I, II			<i>San Benedetto Belbo (Pi), Perugia (Um), Mercatello (Um), Percile (La), Monti della Tolfa (La), Gerano (La), Prima Porta (La), Ariccia (2 loc.) (La).</i>	
	<i>Osmia cornuta quasirufa</i> Peters, 1978 <i>Ssp. sud e est mediterranea</i> Si References: 100, 186, 206	I			—	
48	<i>Osmia emarginata</i> Lepeletier, 1841 <i>Sp. ovest-europeo-ovest-mediterranea</i> Pi, VT, FVG, Em, Abr, Mo, Sa References: 7, 46, 63, 175, 215, 363, 416, 634, CK03	I, II, III	Low	11	Cocullo (Abr).	Stelis franconica, S. murina
	<i>Osmia emarginata emarginata</i> Lepeletier, 1841 <i>Ssp. ovest-europea</i> Pi, VT, FVG, Em, Abr, Mo, Sa	I, II, III			<i>Cocullo (Abr).</i>	
49	<i>Osmia kohli</i> DUCKE, 1900 <i>Sp. tirrenico-maghrebina</i> Southern Italy; Si References: 193, 330, 356, 363, 383, 384, 416, 494, CK03, S38	I, II	Low	33	—	
50	<i>Osmia mustelina</i> Gerstaecker, 1869 <i>Sp. turanico-europeo-anatolica</i> Ao, Pi, Lo, VT, FVG, Ma, Abr, Pu, Si References: 239, 363, 383, 386, 409, 457, 612, 626, CK03, S53, L1, L3, S75b	I, II, III	Low	19	Ovindoli (Abr).	Stelis franconica Polylectic Univoltine
	<i>Osmia mustelina mustelina</i> Gerstaecker, 1869 <i>Ssp. europeo-anatolica</i> Pi, VT, FVG, Ma, Abr	I, II, III			<i>Ovindoli (Abr).</i>	Stelis franconica, S. phaeotera

	References: 239, 363, 386, 409, 457					
	<i>Osmia mustelina umbrosa</i> Peters, 1978 Ssp. sud-ovest-europea Pu, Si References: 383, 612, 626	I, II, III			—	
51	<i>Osmia tricornis</i> Latreille, 1811 Sp. ovest-mediterraneo-macaronesica Pi, Li, Ma, La, Cal, Pu, Si, Sa References: 7, 54, 67, 102, 113, 208, 228, 363, 386, 503, C10, CK03	I, II	Low	20	Percile (La), Licenza (La), Torre Cervara (La).	
Subgen. Pyrosmia Tkalcu, 1975						
52	<i>Osmia amathusica</i> Mavromoustakis, 1937 Sp. est-mediterranea Si References: 622, CK03	III	Moderate	2	—	?Univoltine
53	<i>Osmia cephalotes</i> Morawitz, 1871 Sp. turanico-europeo-mediterranea Pi, Li, VT, FVG, Em, La, Mo, Bas, Si References: 63, 67, 180, 239, 330, 363, 416, 622, CK03	I, II	Low	15	Castel Fusano (La), Ariccia (La), Lago Monticchio (Bas).	
	<i>Osmia cephalotes cephalotes</i> Morawitz, 1871 Ssp. ovest-mediterranea Pi, Li, VT, La, Mo, Bas, Si References: 67, 330, 363, 416, 622	I			Castel Fusano (La), Ariccia (La), Lago Monticchio (Bas).	
	<i>Osmia cephalotes longiceps</i> Morawitz, 1876 Sp. turanico-europea FVG, Em References: 180, 622	I, II			—	? Polyleptic Univoltine
54	<i>Osmia cyanoxantha</i> Pérez, 1879N Sp. turanico-europeo-ovest-mediterranea FVG, To, La, Abr, Cal, Si References: 330, 363, 599, 622, C8, CK03	I, II	Low	12	—	Nests (!) (sometimes ?) in empty cells of Chalicodoma Oligoleptic Univoltine / ? bivoltine
55	<i>Osmia ferruginea</i> Latreille, 1811 Sp. mediterranea To, Si, Sa References: 82, 157, 210, 228, 330, 363, 508, 614, CK03	I	Low	12	—	
	<i>Osmia ferruginea igneopurpurea</i> Costa, 1882 Ssp tirrenica To, Si, Sa References: 82, 102, 157, 210, 228, 330, 363, 508, 614	I			—	
56	<i>Osmia gallarum</i> Spinola, 1808 Sp. turanico-europeo-ovest-mediterranea	I, II, III	Low	34	Bossolasco (Pi).	Stelis minuta Oligoleptic

	Ao, Pi, Li, V, VT, FVG, Em, To, Um, Abr, Mo, Bas, Cal, Si References: 68, 102, 113, 200, 203, 225, 239, 330, 363, 370, 386, 416, 457, 492, CK03, S53, CK09, S75b					Univoltine
	<i>Osmia gallarum gallarum</i> Spinola, 1808 <i>Ssp. europeo-anatolica</i> Pi, Li, V, VT, FVG, Em, To, Um, Abr, Mo, Bas, Cal, Si	I, II, III			<i>Bossolasco (Pi).</i>	
57	<i>Osmia hellados</i> Zanden, 1984 <i>Sp. turanico-est-mediterranea</i> Si References: 324, CK03	Not assessed	Not assessed	1	—	Univoltine / ? bivoltine
58	<i>Osmia nana</i> Morawitz, 1873 <i>Sp. centro-asiatico-europea</i> Pi, FVG, To, La, Abr, Cal, Si References: 175, 330, 363, 370, 416, 611, CK03, S16a	I	Low	21	Albano Laziale (La), Ariccia (La), Rive del Torrente Raganello (Cal).	? Bivoltine
59	<i>Osmia saxicola</i> Duce, 1899 <i>Sp. centro-asiatico-sud-europea</i> Ao, Pi, FVG, La References: 112, 363, 622, CK03, CK09	I, II	Moderate	5	—	? Bivoltine
	<i>Osmia saxicola saxicola</i> Duce, 1899 <i>Ssp. turanico-europea</i> Pi, FVG, La	I, II			—	
60	<i>Osmia submicans</i> Morawitz, 1866 <i>Sp. paleartico-macaronica</i> Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, La, Abr, Cp, Cal, Si, Sa References: 7, 46, 63, 67, 94, 175, 189, 205, 208, 293, 300, 330, 363, 365, 386, 622, C8, CK03, S53, L1, S75b	I, II	Slightest	46	Isola del Giglio (To), Monte Cimino (La), Monte Mario (La), Roma (4 loc.) (La), Albano Laziale (2 loc.) (La), Ariccia (La), Ostia Antica (La), Rive del Torrente Raganello (Cal), Isola Vulcano (Si).	Polyleptic Univoltine
	<i>Osmia submicans hebraea</i> Benoist, 1934 <i>Ssp. mediterranea</i> La, Si References: 330, 365, 622	I, II			<i>Monte Mario (La), Isola Vulcano (Si).</i>	
	<i>Osmia submicans submicans</i> Morawitz, 1866 <i>Ssp. sud-europea</i> Pi, To, La, Cal References: 622	I			<i>Isola del Giglio (To), Roma (2 loc.) (La), Rive del Torrente Raganello (Cal),</i>	
61	<i>Osmia teunissenii</i> Zanden, 1981 <i>Sp. nord- e est-mediterranea</i> FVG, To References: 611, CK03, S16a, CK12	Not assessed	Critic	2	—	?Univoltine
62	<i>Osmia versicolor</i> Latreille, 1811 <i>Sp. turanico-europeo-mediterranea</i> Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, La, Abr, Bas, Cal, Pu, Si References: 54, 113, 180, 203, 206, 218, 227, 289, 330, 363, 370, 386, 613, CK03, S16a, S75b	I, II	Slightest	31	Licenza (La), Bosco della Ficuzza (Si).	?Polyleptic Univoltine
	<i>Osmia versicolor corrusca</i> Erichson, 1835	I, II			<i>Bosco della Ficuzza (Si).</i>	

	Ssp. ovest-mediterranea Si References: 102, 330					
	<i>Osmia versicolor versicolor</i> Latreille, 1811 Ssp. sud-europea Pi, Li, Lo, V, VT, FVG, Em, To, Ma, La, Abr, Bas, Cal, Pu, Si References: 180, 203, 218, 227, 289, 363, 370, 386, 613	I, II			<i>Licenza (La),</i>	
63	<i>Osmia viridana</i> Morawitz, 1873 Sp. centro-asiatico-europeo-ovest-mediterraneo-anatolica Ao, Pi, Li, Lo, FVG, Em, Um, Abr, Mo, Si References: 102, 214, 330, 363, 416, 613, 622, CK03, L1, CK09, S75b	I, II	Low	18	Capo d'Acqua (Um).	Univoltine/bivoltine
	<i>Osmia viridana mulleolus</i> Zanden, 1984 Ssp. sud-europeo-anatolica Pi, Abr References: 363, 622	II			—	
	<i>Osmia viridana viridana</i> Morawitz, 1873 Ssp. turanico-europeo-ovest-mediterranea Pi, Li, FVG, Em, Um, Abr, Mo, Si References: 214, 330, 363, 416, 613, 622	I, II			Capo d'Acqua (Um).	
Subgen. Tergosmia Warncke, 1988						
64	<i>Osmia tergestensis</i> (Ducke, 1897) Sp. centro-asiatico-europeo-mediterranea Ao, Pi, FVG, Um, La, Abr, Cal References: 67, 111, 363, 386, 416, 457, CK03, S53, CK09, S75b	I, II	Low	14	—	Aglaopis tridentata Polyleptic Univoltine
	<i>Osmia tergestensis tergestensis</i> (Ducke, 1897) Ssp. europea Pi, FVG, Um, La, Abr, Cal	I, II			—	

Taxon	Altitude (Italy)	Risk of extinction	No. of sites	Comba Collection (place, region)	Cleptoparasitism
Distribution	I = 0-800				Floral preferences
Distribution of the records in Italian regions	II = 800-1600				Number of annual generations
References	III = 1600-2100				
	IV = > 2100				
Gen. Protosmia Ducke, 1900					
Subgen. Nanosmia Griswold, 1998					

1	Protosmia minutula (Pérez, 1896) Sp. sud-ovest-europea Pi, Si References: 457, 506, CK03	I, II	Moderate	2	—	
Subgen. Protosmia Ducke, 1900						
2	Protosmia exenterata (Pérez, 1895) Sp. sud-europeo-maghrebina Si References: 363, CK03	I	Not assessed	1	—	
3	Protosmia glutinosa (Giraud, 1871) Sp. turanico-sud-europeo-mediterranea Ao, Pi, Li, VT, FVG References: 24, 239, 363, CK03, S75b (sub Osmia)	I	Not assessed	6	—	?Polylectic Univoltine
4	Protosmia tiflensis (Morawitz, 1876) Sp. est-europeo-est-mediterraneo-anatolica Si References: 193, CK03	I	Moderate	1	—	?Polylectic Univoltine
Subgenus incertum						
5	Protosmia sicula (D.T.& Friese 1895) "uncertain" Missing type - nomen dubium ? = Osmia minuta De Stefani, 1887 nec Bramson, 1879 Sp. sicula Si (see table endemic sp/ssp) References: 364	Not assessed	Not assessed	1	—	

	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
Gen. Chelostoma Latreille, 1809						
Subgen. Chelostoma Latreille, 1809						
1	Chelostoma emarginatum (Nylander, 1856) Sp. turanico-sud-europeo-anatolica Ao, Pi, V, VT, Em, To, Um, La, Cp, Cal, Si References: 63, 67, 172, 180, 203, 204, 206, 346, 363, 386, 416, CK03, S75b	I, II	Low	45	San Benedetto Belbo (Pi), Percile (La), Licenza (La), Maccarese (La), Torre Cervara (La), Monte Mario (La), Tivoli (La), Roma (La), Ariccia (2 loc.) (La), Astroni (Cp), Soccavo (Cp), Monte Faito (Cp), Rive del Torr. Raganello (Cal).	Oligoleptic Univoltine

2	Chelostoma florissomne (Linnaeus, 1758) Sp. europeo-anatolico-caucasico-maghrebina Ao, Pi, Li, Lo, VT, Em, To, Ma, Um, La, Abr, Mo, Bas, Cal References: 46, 63, 67, 68, 158, 203, 204, 205, 208, 225, 227, 239, 286, 363, 386, 416, 628, C10, CK03, S53, S90, L1	I, II, III	Low	41	Entrèves (Ao), Alpe le Piane (V. Chiobbia) (Pi), Luserna San Giovanni (2 loc.) (Pi), Angrogna (2 loc.) (Pi), Percile (La), Monte Mario (La), Roma (La), Val Fondillo (Abr).	Dioxys cincta, ? Stelis minuta (No cleptoparasite according to Westrich) Closely oligoleptic Univoltine
3	Chelostoma grande (Nylander, 1852) Sp. sud- e est-europea VT References: 46, CK03, S53	II	Not assessed	1	—	Oligoleptic Univoltine
	Chelostoma mocsaryi Schletterer, 1889 Sp. sibirico-caucasico-europea Pi, Lo, V, To, La, Mo, Si References: 67, 346, 363, 370, 416, CK03, S16a, S87 (sub Osmia), L1	I	Low	8	—	Closely oligoleptic Univoltine
5	Chelostoma stefanii Nobile, 1995 = <i>Chelostoma siciliae</i> Mueller, 2012 Sp. sicula Si (see table endemic species/subspecies) References: 323, 340, CK03, CK12	I, II	Moderate	2	—	
Subgen. Foveosmia Warncke, 1991						
6	Chelostoma campanularum (Kirby, 1802) Sp. europeo-anatolo-caucasica Pi, Li, Lo, VT, FVG, To, Um, La, Abr, Cal, Si References: 67, 68, 100, 172, 203, 239, 363, 416, 457, CK03, S53, S16a, S76, S90, L1, S75b	I, II, III	Low	30	Angrogna (Pi), Castelnuovo Don Bosco (Pi), Firenze (To), Valtopina (Um), Percile (La), Roma (2 loc.) (La), Albano Laziale (La), Ariccia (2 loc.) (La).	Stelis minuta Closely oligoleptic Univoltine
7	Chelostoma distinctum (Stoeckert, 1929) Sp. europeo-anatolo-caucasica Pi, Lo, V, VT, To, La, Abr, Cp References: 67, 94, 203, 204, 205, 363, 416, 457, 497, CK03, S53, S16a, L1, S75b	I, II	Low	18	Albano Laziale (La), Ariccia (2 loc.) (La).	Stelis minuta Closely oligoleptic Univoltine
8	Chelostoma foveolatum (Morawitz, 1868) Sp. asiatico-europea Pi, Li, VT, FVG, To, La References: 67, 68, 171, 172, 203, 363, CK03, S75b	I, II	Low	14	Angrogna (3 loc.) (Pi), Villar Pellice (Pi), Luserna San Giovanni (Pi), Percile (La), Ariccia (La).	Oligoleptic Univoltine
Subgen. Gyrodromella Michener, 2000						
9	Chelostoma handlirschi Schletterer, 1889 Sp. sud-europeo-anatolica Ma, La, Abr References: 172, 203, 386, CK03 (absent in Italy)	I, II	Low	5	—	
10	Chelostoma rapunculi (Lepelletier, 1841) Sp. europeo-maghrebina Ao, Pi, Lo, V, VT, FVG, Em, To, Um, La, Pu, Si References: 46, 67, 68, 203, 204, 208, 214, 247, 289, 363,	I, II	Low	42	Entrèves (Ao), Angrogna (2 loc.) (Pi), Dobbiaco (VT), Monte Mario (La), Tor Sapienza (La), Roma (La), Albano Laziale (La), Ariccia (La).	Stelis breviscula Closely oligoleptic

370, 386, 409, 416, 457, 634, C10, CK03, S53, S16a, S69, CK09, L1					Univoltine
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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. *Heriades* Spinola, 1808

Subgen. *Heriades* Spinola, 1808

1	<i>Heriades crenulata</i> Nylander, 1856 Sp. turanico-europeo-anatolico-maghrebina Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Um, La, Abr, Mo, Pu, Si, Sa References: 7, 31, 63, 67, 68, 172, 180, 183, 192, 193, 203, 204, 206, 208, 210, 247, 363, 365, 366, 409, 416, 507, CK03, S53, S16a, CK09, L1, S75b	I	Slightest	78	Angrogna (2 loc.) (Pi), Luserna San Giovanni (Pi), Villastellone (Pi), Pianetti di Donoratico (To), Montefiascone (La), Tolfa (La), Monte Mario (La), Roma (3 loc.) (La), Albano Laziale (3 loc.) (La), Ariccia (La), Frascati (La), Lido di Ostia (La), Terracina (La), Torre Paola (La), Mezzomonte (La), Isola di Vulcano (Si), Isola Caprera (Sa), Isola San Pietro (Sa).	Stelis breviscula Oligoleptic Univoltine
2	<i>Heriades rubicola</i> Pérez, 1890 Sp. centroasiatico-europeo-mediterranea Pi, Li, Lo, V, FVG, Em, To, Um, La, Abr, Mo, Cp, Pu, Si, Sa References: 63, 67, 68, 192, 202, 205, 206, 363, 416, 634, CK03, S16a, L1	I, II	Slightest	50	Pragelato (Pi), Luserna San Giovanni (Pi), Angrogna (2 loc.) (Pi), Noli (Li), Valtopina (Um), Percile (La), Tor Sapienza (La), Torre Cervara (La), Monte Mario (La), Roma (2 loc.) (La), Albano Laziale (La), Ariccia (La), Fondi (La), San Felice Circeo (2 loc.) (La), Ottaviano (Cp), Isola di Vulcano (Si), Isola di San Pietro (Sa).	Oligoleptic Univoltine
3	<i>Heriades truncorum</i> (Linnaeus, 1758) Sp. paleartica Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Mo, Cal, Si References: 31, 46, 63, 67, 68, 100, 180, 183, 189, 193, 203, 204, 205, 208, 227, 247, 289, 293, 363, 386, 409, 416, 457, 507, 634, C12, CK03, S53, S16a, S69, S76, CK09, L1	I, II, III	Slightest	74	Angrogna (Pi), Luserna San Giovanni (Pi), Agordo (V), Montefiascone (La), Percile (La), Monte Mario (La), Roma (2 loc.) (La), Torre Cervara (La), Albano Laziale (2 loc.) (La), Ariccia (3 loc.) (La), Terracina (La), San Felice Circeo (3 loc.) (La), Isola di Vulcano (Si).	Stelis breviscula, S. minuta Oligoleptic Univoltine

Subgen. *Michenerella* Krombein, 1950

4	<i>Heriades punctulifera</i> Maidl, 1921 Sp. italico-balcanico-anatolica	Not assessed	Not assessed	1	—	
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	Si References: 324, CK03, CK12					
	<i>Heriades punctulifera punctulifera</i> Maidl, 1921 <i>Ssp. italico-balcanico-anatolica</i> Si	Not assessed			—	
Subgenus incertum						
(5)	Heriades sinuata Spinola, 1808 (Syn. of <i>Heriades truncorum</i> Linnaeus 1758) <i>Sp. italica</i> Li (see table endemic species/subspecies) References: 492	Not assessed	High Last record: 1808	1	—	

	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
Gen. Stenoheriades Tkalcu, 1984						
1	Stenoheriades maroccana Benoist, 1928 <i>Sp. italico-iberico-maghrebina</i> Italy, Si References: CK03, S48, CK12	Not assessed	Not assessed	2	-----	

	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
Gen. Trachusa Panzer, 1804						
Subgen. Paraanthidium Friese, 1898						
1	Trachusa interrupta (Fabricius, 1781) <i>Sp. turanico-sud-europeo-mediterranea</i>	I, II	Low	26	Percile (La), Orvinio (La), Torre Paola (La), Gargano (Pu).	Stelis annulata

	Pi, Li, Lo, VT, FVG, Um, La, Abr, Bas, Cal, Pu, Si, Sa References: 67, 153, 172, 204, 213, 331, 363, 408, 416, 589, C13, CK03, CK12, L1					
Subgen. Trachusa Panzer, 1804						
2	Trachusa byssina (Panzer, 1798) Sp. asiatico-europea Pi, Lo, VT, Em, To, Ma, Um, Abr References: 46, 68, 144, 208, 247, 363, 370, 386, 457, CK03, S53, L1	I, II, III	Low	20	Ghigo (Pi), Angrogna (2 loc.) (Pi), P.N.Sibillini (Ma), Ovindoli (Abr).	Coelioxys quadridentata, Aglaoapis tridentata Oligoleptic Univoltine

	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
Gen. Anthidium Fabricius, 1804						
Subgen. Anthidium Fabricius, 1804						
1	Anthidium cingulatum Latreille, 1809 Sp. centro-asiatico-sud-europeo-mediterranea Alpi, Pi, Li, VT, Em, To, La, Abr, Cp, Cal, Pu, Si, Sa References: 6, 63, 67, 68, 83, 172, 203, 206, 208, 225, 300, 363, 366, 408, 416, 508, C2, CK03, S16a	I, II, III	Low	26	Luserna San Giovanni (Pi), Val di Varri (La), Monte Mario (2 loc.) (La).	?Polyleptic Univoltine
	Anthidium cingulatum cingulatum Latreille, 1809 Ssp. centroasiatico-sud-europeo-anatolica Pi, Li, VT, Em, To, La, Abr, Cp, Cal, Pu, Si References: 68, 172, 203, 206, 208, 225, 363, 366, 408, 508	I, II, III			Luserna San Giovanni (Pi), Val di Varri (La), Monte Mario (2 loc.) (La).	
	Anthidium cingulatum rufispinum Costa, 1883 Ssp. tirrenica To, Sa, Si (see table endemic specie/subspecies) References: 6, 83, 172, 300, 416	I			—	
2	Anthidium diadema Latreille, 1809 Sp. turanico-sud-europeo-anatolico-maghrebina Lo, V, VT, Em, To, Cal, Pu, Si References: 54, 109, 172, 193, 204, 225, 289, 331, 363, 408, CK03	I	Low	13	—	
	Anthidium diadema diadema Latreille, 1809 Ssp. turanico-europeo-maghrebina	I			—	

	Lo, V, VT, Em, To, Cal, Pu, Si References: 172, 204, 225, 289, 363, 408					
	<i>Anthidium diadema obscurum</i> Friese, 1898 Ssp. ispano-sicula ? Si References: 105, 193, 331	I			—	
3	Anthidium florentinum (Fabricius, 1775) Sp. palearctica Pi, Li, Lo, V, VT, FVG, Em, To, Um, La, Cp, Cal, Pu, Si, Sa References: 15, 63, 68, 103, 108, 172, 189, 202, 203, 204, 208, 216, 286, 331, 346, 358, 363, 408, 416, C13, CK03, S17, S69, L1	I, II	Slightest	68	Torino (Pi), Angrogna (Pi), Caorle (V), Montefiascone (La), Santa Severa (La), Rome and surround. (9 loc.) (La), Albano Laziale (La), San Leone (Si).	Polyleptic Univoltine
	<i>Anthidium florentinum florentinum</i> (Fabricius, 1775) Ssp. palearctica Pi, Li, Lo, V, VT, FVG, Em, To, Um, La, Cp, Cal, Pu, Si, Sa References: 68, 172, 189, 202, 203, 204, 208, 216, 286, 331, 346, 363, 408, 416	I, II			Torino (Pi), Angrogna (Pi), Caorle (V), Montefiascone (La), Santa Severa (La), Rome and surround. (9 loc.) (La), Albano Laziale (La), San Leone (Si).	
	<i>Anthidium florentinum subspinosum</i> Klug, 1832 Ssp. alpina Alps References: 358	III			—	
4	Anthidium loti Perris, 1852 (Syn of <i>A. meridionale</i> Giraud, 1863) Sp. asiatico-europea Ao, Li, Lo, V, VT, Em, To, Um, La, Si References: 54, 67, 153, 172, 193, 195, 203, 204, 206, 331, 358, 363, 485, CK03, L1, S75b	I	Low	33	Garlenda (Li), Percile (La), Monte Mario (La), Tor Cervara (La), Ariccia (La).	?Polyleptic Univoltine
5	Anthidium manicatum (Linnaeus, 1758) Sp. cosmopolita Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Um, La, Abr, Mo, Cp, Bas, Cal, Pu, Si, Sa References: 6, 8, 46, 54, 63, 67, 68, 73, 90, 100, 103, 105, 153, 186, 189, 193, 203, 204, 206, 208, 214, 227, 247, 289, 293, 294, 331, 363, 365, 408, 416, 434, 457, 508, 547, 634, C13, CK03, S53, S16a, S69, L1, S75b	I, II, III	Slightest	115	Val d'Angrogna-Val Pellice (5 loc.) (Pi), Monte Subasio (Um), Perugia (Um), Montefiascone (La), Rome and surround. (7 loc.) (La), Colli Albani (5 loc.) (La), Castel Porziano (La), Mezzomonte (La), Palermo (Si), Isola di Vulcano (Si).	Stelis punctulatissima, S. phaeoptera Polyleptic (limited) Partly bivoltine
	<i>Anthidium manicatum manicatum</i> (Linnaeus, 1758) Ssp. cosmopolita ? Pi, Li, Lo, V, VT, FVG, Em, To, Um, La, Abr, Mo, Cp, Bas, Cal, Pu, Si, Sa	I, II, III			Val d'Angrogna-Val Pellice (5 loc.) (Pi), Monte Subasio (Um), Perugia (Um), Montefiascone (La), Rome and surround. (7 loc.) (La), Colli Albani (5 loc.) (La), Castel Porziano (La), Mezzomonte (La), Palermo (Si), Isola di Vulcano (Si).	
6	Anthidium montanum Morawitz, 1864 Sp. centro-asiatico-europea Ao, Pi, V, VT References: 68, 141, 165, 363, 608, CK03, S53, CK12	II, III, IV	Low	10	Valtournenche (Ao), Villanova – Prà (Pi).	Oligoleptic Univoltine

7	Anthidium punctatum Latreille, 1809 Sp. palearctica Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, La, Abr, Bas, Cal, Si References: 54, 68, 109, 172, 186, 187, 193, 203, 206, 274, 331, 370, 386, 408, 416, 457, 485, 634, CK03, S53, S16a, S61, S90a, CK09, L1, S75b	I, II, III	Low	50	Borgomale (Pi), Viola (Pi), San Benedetto Belbo (Pi), Bossolasco (Pi), P.N. Sibillini (Ma), Ariccia (La).	Polyleptic/oligoleptic Univoltine
	Anthidium punctatum fulvipes Friese, 1897 Ssp. centro-est-europeo-mediterranea Pi, Li, Lo, VT, FVG, Em, To, Ma, La, Abr, Bas, Cal, Si References: 54, 68, 172, 186, 187, 193, 203, 274, 331, 370, 386, 408, 416, 485, 634	I, II			Borgomale (Pi), Viola (Pi), San Benedetto Belbo (Pi), Bossolasco (Pi), P.N. Sibillini (Ma), Ariccia (La).	
	Anthidium punctatum punctatum Latreille, 1809 Ssp. europea Ma References: 386	I			—	
8	Anthidium septemspinosum Lepeletier, 1841 Sp. asiatico-europea VT, FVG, To, La References: 67, 172, 416, CK03	I	Low	5	—	Polyleptic Univoltine
9	Anthidium taeniatum Latreille, 1809 Sp. turanico-europeo-maghrebina Pi, Lo, Em, To, Cp, Cal, Pu, Si References: 5, 172, 193, 203, 205, 206, 214, 277, 331, 363, 408, CK03, L1	I	Low	15	—	
Subgen. Proanthidium Friese, 1898						
10	Anthidium oblongatum (Illiger, 1806) Sp. olartica Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Ma, La, Abr, Mo, Si References: 5, 67, 68, 105, 202, 203, 204, 206, 208, 247, 274, 363, 386, 408, 416, 457, 634, CK03, S53, S16a, S69, S76, S90a, CK09, L1, S75b	I, II, III	Low	54	Luserna San Giovanni (Pi), Angrogna (Pi), Garlenda (Li), P.N. Sibillini (Ma), Roma (La), Ariccia (La).	Polyleptic/oligoleptic Univoltine
	Anthidium oblongatum oblongatum (Illiger, 1806) Ssp. europeo-anatolico-caucasica Pi, Li, Lo, V, VT, FVG, Em, To, Ma, La, Abr, Mo, Si	I, II, III			Luserna San Giovanni (Pi), Angrogna (Pi), Garlenda (Li), P.N. Sibillini (Ma), Roma (La), Ariccia (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)	(Clepto)parasitism	Floral preferences	Number of annual generations
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Gen. Anthidiellum Cockerell, 1904

Subgen. Anthidiellum Cockerell, 1904

1	Anthidiellum strigatum (Panzer, 1805) Sp. palearctica Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Cp, Cal, Pu, Si, Sa References: 63, 68, 172, 180, 183, 186, 187, 193, 206, 208, 214, 247, 289, 293, 331, 346, 363, 370, 384, 386, 408, 416, 434, 442, 492, C13, CK03, S53, S16a, S69, S76, S90a, L1, S75b	I, II	Slightest	86	Luserna San Giovanni (Pi), Bossolasco (Pi), San Bartolomeo al Mare (Li), Villanova d'Albenga (Li), San Vigilio (V), Val di Varri (La), Monte Mario (La), Roma (La), Albano Laziale (La), Isola di Vulcano (Si).	Stelis signata, S. signata flavescens Polylectic Univoltine
	Anthidiellum strigatum luteum (Friese, 1897) Ssp. sud-europeo-anatolico-caucasica Pi, Li, Lo, V, VT, FVG, Em, To, Ma, Um, La, Abr, Cp, Cal, Pu, Si, Sa References: 63, 68, 172, 180, 183, 186, 187, 193, 206, 208, 214, 247, 289, 293, 331, 346, 363, 370, 384, 386, 408, 416, 434, 442, 492, C13	I, II			Luserna San Giovanni (Pi), Bossolasco (Pi), San Bartolomeo al Mare (Li), Villanova d'Albenga (Li), San Vigilio (V), Val di Varri (La), Monte Mario (La), Roma (La), Albano Laziale (La), Isola di Vulcano (Si).	

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

Gen. Icteranthidium Michener, 1948

1	Icteranthidium cimbiciforme (Smith, 1854) ? = A. bartholomei Radoszkowski 1862, ? = laterale Latr. 1809) Sp. turanico-europea Si (presence in Italy to be confirmed) References: 172, CK03 (absent in Italy)	Not assessed	High Last record: 1890	1	—	
2	Icteranthidium grohmanni (Spinola, 1838) Sp. centro-asiatico-sud-europeo-medimo rekordterraneo-?afrotropicale V, FVG, Em, To, Um, La, Cp, Cal, Pu, Si References: 54, 67, 203, 208, 214, 331, 363, 408, 416, 493, CK03, S16a	I, II	Low	35	Valtopina (Um), Roma (La), Isola di Vulcano (Si).	Polylectic Univoltine
3	Icteranthidium laterale (Latreille, 1809) Sp. sud-europeo-anatolico-maghrebina V, VT	I, II	Moderate	3	—	Polylectic

	References: 46, 172, 192, CK03, S53					
	<i>Icteranthidium laterale laterale</i> (Latreille, 1809) Ssp. sud-europeo-anatolico-maghebina V, VT	I, II			—	

	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. *Pseudoanthidium* Friese, 1898

Subgen. *Exanthidium* Pasteels, 1969

1	<i>Pseudoanthidium eximium</i> (Giraud, 1863) <i>Sp. turanico-europea</i> Northern Italy; Ao, Pi References: 54, 172, 589, CK03, S19, S20, CK12, S75b	I	Low	5	—	
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Subgen. *Pseudoanthidium* Friese, 1898

2	<i>Pseudoanthidium alpinum</i> Morawitz, 1874 <i>Sp. italo-balcanico-anatolico-caucasica</i> Italy (the attribution to <i>P. gregoriense</i> is more likely) References: CK03	Not assessed	Not assessed	1	----	
3	<i>Pseudoanthidium gregoriense</i> Nobile, 1989 change of rank of <i>P. alpinum gregoriense</i> <i>Sp. sicula</i> Si (see table endemic species/subspecies) References: 331, 384, CK03	I	Low	5	—	
4	<i>Pseudoanthidium leucostoma</i> (Costa, 1883) (Taxonomic problems) <i>Sp. sardo-corsa</i> Sa (see table endemic sp/ssp) References: 7, 84, 86, 214, 338, 363, 408, 504, 589, CK03	I	Low	9	—	
5	<i>Pseudoanthidium nanum</i> (Mocsáry, 1879) (very uncertain taxonomic situation) (syn of <i>P. scapulare</i> Latreille 1809 ?) <i>Sp. olartica</i> Italy, ? Pi, ? Lo, To, Si, Sa References: 109 a, CK03 (absent in Italy), S16a (sub litratum Panzer 1801, S69 (sub lituratum Panzer 1801), S90a (sub lituratum Pz.), L1	Not assessed	Not assessed	4	—	Oligoleptic Univoltine

6	Pseudoanthidium scapulare Latreille 1809 ? = Pseudanthidium lituratum Pz. 1801 (nec Gmelin 1790) (syn of P. nanum Mocs. 1878 ?) Sp. ovest-mediterranea Ao, Pi, Lo, V, VT, FVG, Em, To, Um, La, Abr, Cal, Pu, Si, Sa References: 31, 46, 63, 100, 103, 105, 172, 203, 204, 206, 208, 209, 210, 213, 214, 311, 331, 363, 408, 416, 589, 634, 639, CK03 (absent in Italy !), S53, CK09, S75b	I, II	Slightest	55	Luserna San Giovanni (Pi), San Benedetto Belbo (Pi), Ceva (Pi), Percile (La), Saracinesco (La), Monte Mario (La), Roma (La), Monte Tuscolo (La), Tivoli (2 loc.) (La), Ariccia (La).	Stelis signata, S. ornatula, S. punctulatissima Oligoleptic Univoltine
	Pseudoanthidium scapulare peregrinum Costa, 1884 Ssp. sardo-corsa Sa (see table endemic species/subspecies) References: 68, 589	Not assessed			Percile (La),	
	Pseudoanthidium scapulare scapulare Latreille 1809 Ssp. ovest-mediterranea Pi, Lo, V, VT, FVG, Em, To, Um, La, Abr, Cal, Pu, Si, Sa References: 68, 172, 203, 204, 206, 208, 209, 210, 213, 214, 311, 331, 363, 408, 416, 589, 634	I, II			Luserna San Giovanni (Pi), San Benedetto Belbo (Pi), Ceva (Pi), Saracinesco (La), Monte Mario (La), Roma (La), Monte Tuscolo (La), Tivoli (2 loc.) (La), Ariccia (La).	
Subgen. Royanthidium Pasteels, 1969						
7	Pseudoanthidium melanurum (Klug, 1832) Sp. turanico-centro-sud-europeo-ovest-mediterranea Ao, To, La, Abr, Si, Sa References: 7, 67, 331, 508, CK03, CK09, S75b	I, II	Low	9	Torre Paola (La), Pescasseroli (Abr).	
8	Pseudoanthidium reticulatum (Mocsáry, 1884) Sp. palearctica Northern Italy; FVG, To References: 172, 204, 589, CK03	I	Moderate	3	—	
	Pseudoanthidium reticulatum mocsaryi (Friese, 1897) Ssp. nord-italico-nord-balcanica FVG, To References: 172, 204	I			—	
	Pseudoanthidium reticulatum reticulatum (Mocsáry, 1884) Ssp. turanico-europeo-mediterranea Northern Italy References: 589	Not assessed			—	

Taxon Distribution Distribution of the records in Italian regions References	Altitude (Italy) I = 0-800 II = 800-1600 III = 1600-	Risk of extinction	No. of sites	Comba Collection (place, region)	Cleptoparasitism Floral preferences Number of annual
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		2100 IV = > 2100			generations
Gen. Afranthidium Michener, 1948					
Subgen. Mesanthidium Popov, 1950					
1	Afranthidium carduele (Morawitz, 1876) Sp. centro-asiatico-west- e est-mediterraneo-caucasica Ma References: 386, CK03 (absent in Italy)	III	Moderate	1	P.N. Sibillini (Ma).
	Afranthidium carduele carduele (Morawitz, 1876) Ssp. centro-asiatico-europea ? Ma	III			P.N. Sibillini (Ma).

	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
Gen. Rhodanthidium Isensee, 1927						
Subgen. Asianthidium Popov, 1950						
1	Rhodanthidium caturigense (Giraud, 1863) Sp. sud-europeo-anatolica Northern Italy; Ao, Pi, VT References: 195, 239, 363, 457, CK03, S75b	I, II	Low	9	—	
	Rhodanthidium caturigense caturigense (Giraud, 1863) Sp. sud-europea ? Northern Italy; Pi, VT	I, II			—	
Subgen. Rhodanthidium Isensee, 1927						
2	Rhodanthidium acuminatum (Mocsáry, 1884) Sp. ovest-mediterraneo-anatolica Si References: 626, CK03, CK12	I	Moderate	1	Isola di Levanzo (Si).	
3	Rhodanthidium septemdentatum (Latreille, 1809) Sp. turanico-europea Ao, Pi, Lo, Li, V, VT, FVG, Em, To, Ma, Um, La, Abr, Mo, Cp, Bas, Cal, Pu, Si, Sa	I, II	Slightest	92	Isola del Giglio (To), Monte Tezio (Um), Capodacqua (Um), Montefiascone (La), Percile (La), Prima Porta (La), Monte Mario (2 loc.) (La), Roma (3 loc.) (La), Albano Laziale	Polyleptic Univoltine

	References: 7, 15, 63, 67, 100, 172, 193, 203, 204, 206, 208, 225, 227, 274, 331, 363, 386, 408, 416, 457, 485, 504, C8, CK03, S4, S53, S16a, S61, S69, S76, L1, S75b				(2 loc.) (La), Ariccia (La), P.N. Circeo (La), Torre Paola (La), San Felice Circeo (La), Montefalcone Sannio (Mo), Monte Pollino (Bas).	
	<i>Rhodanthidium septemdentatum septemdentatum</i> (Latreille, 1809) Ssp. europeo-anatolica Pi, Li, V, VT, FVG, Em, To, Ma, Um, La, Abr, Mo, Cp, Bas, Cal, Pu, Si, Sa	I, II			<i>Isola del Giglio (To), Monte Tezio (Um), Capodacqua (Um), Montefiascone (La), Percile (La), Prima Porta (La), Monte Mario (2 loc.) (La), Roma (3 loc.) (La), Albano Laziale (2 loc.) (La), Ariccia (La), P.N. Circeo (La), Torre Paola (La), San Felice Circeo (La), Montefalcone Sannio (Mo), Monte Pollino (Bas).</i>	
4	<i>Rhodanthidium siculum</i> (Spinola, 1838) <i>Sp. ovest-mediterranea</i> Si References: 172, 193, 331, 363, 384, 493, CK03	I	Low	17	Selinunte (Si), Favignana (Si).	
5	<i>Rhodanthidium sticticum</i> (Fabricius, 1787) Ssp. sud-europeo-anatolico-maghrebina Si, Sa References: 15, 54, 98, 187, 193, 214, 331, 346, 363, 384, 485, CK03, S29a	I, II	Slightest	30	Favignana (Si).	
	<i>Rhodanthidium sticticum sticticum</i> (Fabricius, 1787) <i>Sp. sud-europeo-maghrebina</i> Si, Sa	I, II			<i>Favignana (Si).</i>	

	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 -hosts- Floral preferences Number of annual generations
Gen. Stelis Panzer, 1806						
Subgen. Heterostelis Timberlake, 1941						
1	<i>Stelis annulata</i> (Lepelletier, 1841) Sp. europeo-nord-mediterraneo-maghrebina La, Cp, Pu References: 208, 408, 600, CK03		Low	6	Percile (La), Torre Paola (La).	<i>Trachusa interrupta</i>

Subgen. <i>Protostelis</i> Friese, 1895						
2	<p><i>Stelis signata</i> (Latreille, 1809) Sp. turanico-europeo-maghrebina Ao, Pi, Li, Lo, V, VT, FVG, Em, To, Um, La, Abr, Pu, Si References: 169, 172, 193, 203, 208, 331, 348, 363, 370, 436, CK03, S16a, CK09, L1</p>	I	Low	26	Monte Mario (La), Albano Laziale (La).	<p>Anthidiellum strigatum, Pseudoanthidium scapulare</p> <p>Flora: ?varied</p> <p>Univoltine</p>
	<p><i>Stelis signata flavescens</i> Friese, 1925 Ssp. siculo-transionica-sud-balkanica Si References: 169, 193, 331, 348</p>	I			—	<p>Anthidiellum strigatum</p>
	<p><i>Stelis signata signata</i> (Latreille, 1809) Ssp. europeo-medio-orientale Pi, Li, V, VT, FVG, Em, To, Um, La, Abr, Pu References: 172, 203, 208, 363, 370, 436</p>	I			Monte Mario (La), Albano Laziale (La).	
Subgen. <i>Pseudostelis</i> Popov, 1956						
3	<p><i>Stelis minuta</i> Lepeletier & Serville, 1825 Sp. europeo-anatolico-caucasico-maghrebina Pi, VT, FVG, La References: 68, 239, 363, 370, CK03</p>	I	Moderate	5	Angrogna (Pi).	<p>Heriades truncorum, Chelostoma campanularum, C. florisomne, Hoplitis leucomelana, H. tridentata, H. claviventris, H. anthocopoides, Osmia gallarum</p> <p>Flora: ?varied</p> <p>Univoltine</p>
Subgen. <i>Stelidomorpha</i> Morawitz, 1875						
4	<p><i>Stelis nasuta</i> (Latreille, 1809) Sp. centro-asiatico-europeo-maghrebina Ao, Pi, Li, VT, FVG, Em, To, La, Cp, Cal, Si, Sa References: 46, 100, 105, 169, 178, 193, 203, 225, 348, 363, 408, 416, 600, CK03, CK09, S75b</p>	I, II	Low	22	—	<p>Megachile parietina, M. pyrenaica, ? M. Sicula</p> <p>Flora: ?varied</p> <p>Univoltine</p>
Subgen. <i>Stelis</i> Panzer, 1806						
5	<p><i>Stelis breviuscula</i> (Nylander, 1848)</p>	I, II	Low	35	Angrogna (Pi), Priola (Pi), Roma (La).	<p>Heriades crenulatus,</p>

	<p>Sp. palearctica Ao, Pi, Lo, V, VT, FVG, Em, To, Um, La, Pu, Si References: 31, 63, 67, 68, 100, 105, 180, 189, 202, 203, 206, 239, 348, 363, 408, 416, 507, C12, CK03, CK09, S75b</p>					<p>H. truncorum, Chelostoma rapunculi, Hoplitis adunca, H.anthocopoides; Chelostoma spp.</p> <p>Flora: varied</p> <p>Univoltine</p>
6	<p>Stelis franconica Blüthgen 1930 Sp. centro-asiatico-europea Ao, VT References: 239, CK03, CK09</p>	III	Not assessed	2	---	<p>Osmia mustelina</p> <p>Flora: limited</p> <p>Univoltine</p>
7	<p>Stelis hispanica Dusmet, 1921 Sp. iberico-nord-italica FVG References: S73</p>	Not assessed	Not assessed	1	-----	
8	<p>Stelis murina Pérez, 1884 (change of rank from ssp phaeoptera murina to sp) Sp. ovest-mediterraneo-macaronesica Ao, Pi, V, VT, FVG, To, La, Si, Sa References: 67, 109, 169, 208, 289, 293, 346, 348, 363, 376, 605, C12, CK03</p>	I, II, III, IV	Low	17	Tor Sapienza (La), Albano Laziale (La).	<p>Osmia emarginata, O. signata laticincta, O. aurulenta, O. notata, Hoplitis anthocopoides</p>
9	<p>Stelis odontopyga Noskiewicz, 1925 Sp. europeo-anatolica Pi, FVG, La References: 363, 600, CK03</p>	I	Moderate	4	Albano Laziale (La).	<p>Osmia spinulosa</p> <p>Flora: limited</p> <p>Univoltine</p>
10	<p>Stelis ornatula (Klug, 1807) Sp. palearctica Pi, VT, FVG, To, Ma, Abr, Cp, Si References: 74, 169, 205, 239, 348, 363, 386, 388, CK03</p>	I, II, III, IV	Low	11	---	<p>Hoplitis leucomelana, H. acuticornis, H. tridentata, H. claviventris, (!) Ceratina cucurbitina</p> <p>Flora: varied</p> <p>Univoltine</p>
	<p>Stelis ornatula ornatula (Klug, 1807) Ssp. palearctica Pi, VT, FVG, To, Ma, Abr, Cp, Si</p>	I, II, III, IV			---	
11		I, II, III,	Low	19	Tor Sapienza (La), Albano Laziale (La).	Osmia niveata,

	<p>Stelis phaeoptera (Kirby, 1802) Sp. turanico-europeo-macaronesica Ao, Pi, Lo, V, VT, FVG, To, La, Si, Sa References: 67, 169, 208, 289, 293, 346, 348, 363, 376, 605, C12, CK03, S69, CK09</p>	IV				<p>? <i>O. rufa</i>, ? <i>O. emarginata</i>, <i>O. leaiana</i>, ? <i>O. parietina</i>, ? <i>Megachile centuncularis</i>, ? <i>Hoplitis anthocopoides</i>, ? <i>H. tuberculata</i>; ? <i>Anthidium manicatum</i>, ? <i>Lithurgus chrysurus</i></p> <p>Flora: varied</p> <p>Univoltine</p>
12	<p>Stelis punctulatissima (Kirby, 1802) Sp. turanico-europeo-maghrebina Ao, Pi, Lo, V, VT, Em, To, Ma, Um, La References: 68, 206, 208, 239, 286, 289, 408, 416, , 520, C12, CK03, S16a, CK09, L1, S75b</p>	I, II, III	Low	21	Angrogna (Pi), Roma (2 loc.) (La).	<p><i>Anthidium manicatum</i>, ? altre spp di <i>Anthidium</i> s.l.), ? <i>Anthidium scapulare</i>, <i>Hoplitis adunca</i>, <i>Osmia niveata</i>, <i>O. aurulenta</i>, <i>O. leaiana</i>, <i>O. ventralis</i>, <i>O. brevicornis</i>, <i>Megachile parietina</i></p> <p>Flora: varied</p> <p>Univoltine</p>
	<p>Stelis punctulatissima punctulatissima (Kirby, 1802) Ssp. turanico-europeo-maghrebina Pi, Lo, V, VT, Em, To, Ma, Um, La,</p>	I, II, III			Angrogna (Pi), Roma (2 loc.) (La).	
13	<p>Stelis simillima Morawitz, 1876 = <i>Stelis cognata</i> Kohl, 1892 Sp. centro-asiatico-europeo-anatolico-maghrebina Lo, La, Si, Sa References: 348, 520, 600, CK03, L1</p>	I, II	Low	7	Manziana (La).	<p><i>Lithurgus chrysurus</i>, <i>L. chrysurus siculus</i></p>

