

# New records and an updated checklist of the butterfly fauna (Lepidoptera: Papilionoidea) of Puglia, south-eastern Italy

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Supplementary table 1. Checklist of the butterflies of Puglia with their updated presence in the localities surveyed.

Tavoliere delle Puglie	Subappennino Dauno	Terra di Bari	Arco Jonico
1. Torremaggiore	11. Occhito	23. Barletta	35. Laterza
2. Bosco Incoronata	12. San Marco la Catola	24. Giovinazzo	36. Gioia del Colle
3. Lucera	13. Faeto	25. Lama Balice	37. Crispiano
4. Zapponeta	14. Biccari	26. Bari	38. Castellaneta
<b>Gargano</b>	15. Bovino	27. Conversano	39. Pinete dell'Arco jonico
5. Tremiti islands	16. Accadia	28. Monopoli	<b>Salento</b>
6. Lesina	<b>Alta Murgia</b>	<b>Valle d'Itria</b>	40. Torre Canne
7. Foresta Umbra	17. Locone	29. Alberobello	41. Torre Guaceto
8. S. Marco in Lamis	18. Corato	30. Locorotondo	42. S. Cataldo
9. Mattinata	19. Ruvo di Puglia	31. Cisternino	43. Otranto
10. Monte S. Angelo	20. Cassano delle Murge	32. Noci	44. Pulsano
	21. Santeramo in colle	33. Pianelle	
	22. Gravina	34. Ostuni	

Family HESPERIIDAE	
1. <i>Carcharodus alceae</i> (Esper, 1780)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44
2. <i>Carcharodus baeticus</i> (Rambur, 1839)	18, 19, 20
3. <i>Carcharodus floccifera</i> (Zeller, 1847)	8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 21, 22, 32, 33, 36
4. <i>Erynnis tages</i> (Linnaeus, 1758)	7, 11, 12, 13, 14
5. <i>Gegenes nostradamus</i> (Fabricius, 1793)	15, 17, 20, 21, 22, 25, 41
6. <i>Gegenes pumilio</i> (Hoffmannsegg, 1804)	1, 21, 23, 25, 27, 40, 42
7. <i>Hesperia comma</i> (Linnaeus, 1758)	
8. <i>Muschampia proto</i> (Ochsenheimer, 1808)	14, 17, 18, 19, 20, 21, 22, 36, 40
9. <i>Ochlodes sylvanus</i> (Esper, 1777)	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 29, 30, 32, 33
10. <i>Pyrgus armoricanus</i> (Oberthür, 1910)	8, 14, 22
11. <i>Pyrgus carthami</i> (Hübner, 1813)	
12. <i>Pyrgus malvoides</i> (Elwes & Edwards, 1897)	7, 8, 9, 10, 14, 17, 18, 19, 20, 21, 22, 29, 32, 36
13. <i>Pyrgus onopordi</i> (Rambur, 1839)	11, 12, 13, 14, 20, 21
14. <i>Pyrgus sidae</i> (Esper, 1784)	7, 8, 10, 12, 14, 18, 19, 20, 21, 22, 32, 33
15. <i>Spialia sertorius</i> (Hoffmannsegg, 1804)	3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 25, 26, 27, 29, 30, 32, 33, 34, 35, 36, 37, 38, 44
16. <i>Thymelicus acteon</i> (Rottemburg, 1775)	2, 3, 6, 7, 8, 9, 10, 17, 18, 19, 20, 22, 25, 27, 31, 33, 36, 38, 40, 41, 42
17. <i>Thymelicus lineola</i> (Ochsenheimer, 1808)	1, 13, 14, 18, 19, 21, 22, 33, 36, 40, 41
18. <i>Thymelicus sylvestris</i> (Poda, 1761)	1, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 25, 29, 30, 32, 33, 34, 35, 36, 37

Family PAPILIONIDAE	
19. <i>Iphiclides podalirius</i> (Linnaeus, 1758)	1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44
20. <i>Papilio machaon</i> (Linnaeus, 1758)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44
21. <i>Zerynthia cassandra</i> (Geyer, 1828)	7, 8, 9, 14, 18, 20, 21, 22, 26, 27, 28, 29, 30, 31, 32, 33, 34, 36, 37, 40

Family PIERIDAE	
22. <i>Anthocharis cardamines</i> (Linnaeus, 1758)	2, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 27, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40
23. <i>Aporia crataegi</i> (Linnaeus, 1758)	2, 7, 8, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 29, 30, 32, 33, 35, 36, 37
24. <i>Colias alfacariensis</i> (Ribbe, 1905)	7, 8, 9, 10, 18, 19, 20, 21, 22, 27, 32, 36, 40
25. <i>Colias croceus</i> (Geoffroy, 1785)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44
26. <i>Euchloe ausonia</i> (Hübner, 1804)	2, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 27, 31, 32, 33, 36, 40, 44
27. <i>Gonepteryx cleopatra</i> (Linnaeus, 1767)	3, 4, 5, 6, 7, 8, 9, 10, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44
28. <i>Gonepteryx rhamni</i> (Linnaeus, 1758)	1, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 27, 32, 33, 40
29. <i>Leptidea sinapis</i> (Linnaeus, 1758)	7, 9, 11, 12, 13, 14, 15, 16, 17, 18, 22, 39, 42
30. <i>Pieris brassicae</i> (Linnaeus, 1758)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44
31. <i>Pieris ergane</i> (Geyer, 1828)	10
32. <i>Pieris mannii</i> (Mayer, 1851)	10
33. <i>Pieris napi</i> (Linnaeus, 1758)	1, 2, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 27, 29, 30, 32, 33, 35, 36, 38, 40
34. <i>Pieris rapae</i> (Linnaeus, 1758)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44
35. <i>Pontia edusa</i> (Fabricius, 1777)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44

Family RIODINIDAE	
36. <i>Hamearis lucina</i> (Linnaeus, 1758)	14

Family LYCAENIDAE	
37. <i>Aricia agestis</i> (Denis & Schiffermüller, 1775)	1, 2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 44
38. <i>Cacyreus marshalli</i> (Butler, 1898)	1, 2, 3, 4, 5, 6, 12, 14, 16, 18, 20, 21, 22, 23, 25, 27, 28, 29, 30, 31, 32, 34, 37, 38, 39, 40, 42, 43, 44
39. <i>Callophrys rubi</i> (Linnaeus, 1758)	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 27, 29, 30, 32, 33, 34, 35, 36, 37, 38, 40
40. <i>Celastrina argiolus</i> (Linnaeus, 1758)	2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44
41. <i>Cupido alcetas</i> (Hoffmannsegg, 1804)	14, 15, 16, 22
42. <i>Cupido argiades</i> (Pallas, 1771)	15
43. <i>Cupido minimus</i> (Fuessly, 1775)	9, 11, 12, 13, 14, 15, 20, 21, 22, 29, 32, 33, 34, 35, 36, 38
44. <i>Cupido osiris</i> (Meigen, 1829)	12
45. <i>Cyaniris semiargus</i> (Rottemburg, 1775)	14, 29, 32, 33
46. <i>Eumedonia eumedon</i> (Esper, 1780)	
47. <i>Favonius quercus</i> (Linnaeus, 1758)	14, 21, 22, 29, 32, 33, 36
48. <i>Glaucopsyche alexis</i> (Poda, 1761)	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 27, 29, 31, 32, 33, 36, 38
49. <i>Iolana iolas</i> (Ochsenheimer, 1816)	16
50. <i>Lampides boeticus</i> (Linnaeus, 1767)	7, 12, 15, 17, 18, 19, 21, 22, 25, 26, 29, 30, 32, 36, 41
51. <i>Leptotes pirithous</i> (Linnaeus, 1767)	1, 3, 4, 6, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 38, 39, 40, 41, 42, 44
52. <i>Lycaena alciphron</i> (Rottemburg, 1775)	7
53. <i>Lycaena phlaeas</i> (Linnaeus, 1761)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44
54. <i>Lycaena thersamon</i> (Esper, 1784)	11, 14, 15, 17, 18, 22, 22
55. <i>Lycaena tityrus</i> (Poda, 1761)	7, 11, 13, 14, 15, 16, 22
56. <i>Phengaris arion</i> (Linnaeus, 1758)	
57. <i>Plebejus argus</i> (Linnaeus, 1758)	10, 12, 13, 14
58. <i>Plebejus argyrognomon</i> (Bergsträsser, 1779)	
59. <i>Plebejus idas</i> (Linnaeus, 1761)	13
60. <i>Polyommatus amandus</i> (Schneider, 1792)	14
61. <i>Lysandra bellargus</i> (Rottemburg, 1775)	3, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 29, 30, 32, 33, 34, 35, 36, 37, 38, 40, 44
62. <i>Lysandra coridon</i> (Poda, 1761)	8, 10, 12, 18, 19, 21, 22, 31, 35
63. <i>Polyommatus daphnis</i> (Denis & Schiffermüller, 1775)	10, 12, 13
64. <i>Polyommatus dolus</i> (Hübner, 1823)	10
65. <i>Polyommatus dorylas</i> (Denis & Schiffermüller, 1775)	
66. <i>Polyommatus escheri</i> (Hübner, 1823)	12, 14

67. <i>Polyommatus icarus</i> (Rottemburg, 1775)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44
68. <i>Polyommatus thersites</i> (Cantener, 1835)	7, 8, 9, 10, 12, 14, 15, 17, 18, 19, 20, 21, 22, 27, 41
69. <i>Pseudophilotes baton</i> (Bergsträsser, 1779)	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 25, 27, 32, 33, 35, 36, 40
70. <i>Satyrium acaciae</i> (Fabricius, 1787)	7, 8, 10, 14, 15, 20, 21, 22, 33
71. <i>Satyrium ilicis</i> (Esper, 1779)	2, 7, 12, 13, 14, 15, 18, 19, 20, 21, 22, 29, 30, 31, 32, 33, 34, 41
72. <i>Satyrium spini</i> (Denis & Schiffermüller, 1775)	8, 10, 14, 17, 18, 19, 20, 21, 22, 36
73. <i>Satyrium w-album</i> (Knoch, 1782)	13, 14, 20
74. <i>Thecla betulae</i> (Linnaeus, 1758)	

<b>Family NYMPHALIDAE</b>	
75. <i>Aglais io</i> (Linnaeus, 1758)	2, 7, 11, 12, 14, 15, 20, 22
76. <i>Aglais urticae</i> (Linnaeus, 1758)	14
77. <i>Argynnis adippe</i> (Denis & Schiffermüller, 1775)	7, 13, 14
78. <i>Speyeria aglaja</i> (Linnaeus, 1758)	10, 14
79. <i>Fabriciana niobe</i> (Linnaeus, 1758)	14
80. <i>Argynnis pandora</i> (Denis & Schiffermüller, 1775)	7, 14, 15, 18, 19, 20, 21, 22
81. <i>Argynnis paphia</i> (Linnaeus, 1758)	7, 8, 11, 12, 13, 14, 15, 16, 22
82. <i>Boloria euphrosyne</i> (Linnaeus, 1758)	14
83. <i>Brenthis daphne</i> (Bergsträsser, 1780)	7, 8, 12, 13, 14
84. <i>Brenthis hecate</i> (Denis & Schiffermüller, 1775)	19, 20, 22, 29, 32, 33
85. <i>Charaxes jasius</i> (Linnaeus, 1767)	27, 28, 29, 30, 33, 37, 40, 42, 44
86. <i>Chazara briseis</i> (Linnaeus, 1764)	
87. <i>Euphydryas aurinia</i> (Rottemburg, 1775)	11, 12, 14
88. <i>Issoria lathonia</i> (Linnaeus, 1758)	1, 2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 29, 30, 32, 36, 38
89. <i>Libythea celtis</i> (Laicharting, 1782)	7, 20, 22, 36, 38
90. <i>Limenitis reducta</i> (Staudinger, 1901)	1, 2, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 42
91. <i>Melitaea celadussa</i> Fruhstorfer, 1910	7, 8, 10, 12, 13, 14, 16, 29
92. <i>Melitaea cinxia</i> (Linnaeus, 1758)	7, 8, 12, 13, 14, 16, 18, 21, 22, 29, 32,
93. <i>Melitaea didyma</i> (Esper, 1778)	1, 2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 25, 26, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43
94. <i>Melitaea ornata</i> Christoph, 1893	12
95. <i>Melitaea phoebe</i> (Denis & Schiffermüller, 1775)	1, 2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 29, 32, 34, 35, 36, 37,
96. <i>Melitaea trivia</i> (Denis & Schiffermüller, 1775)	12, 18
97. <i>Nymphalis antiopa</i> (Linnaeus, 1758)	

98. <i>Nymphalis polychloros</i> (Linnaeus, 1758)	1, 2, 3, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 27, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 40
99. <i>Polygonia c-album</i> (Linnaeus, 1758)	2, 11, 12, 13, 14, 15, 20, 22
100. <i>Polygonia egea</i> (Cramer, 1775)	6, 20, 21, 22, 27, 29, 30, 31, 32, 33, 34, 35, 8, 39, 40, 44
101. <i>Vanessa atalanta</i> (Linnaeus, 1758)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44
102. <i>Vanessa cardui</i> (Linnaeus, 1758)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44
103. <i>Brintesia circe</i> (Fabricius, 1775)	3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 27, 29, 30, 32, 33, 34, 36, 37, 41
104. <i>Coenonympha arcania</i> (Linnaeus, 1760)	13, 14, 16
105. <i>Coenonympha pamphilus</i> (Linnaeus, 1758)	1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44
106. <i>Danaus chrysippus</i> (Linnaeus, 1758)	4, 6, 23, 28, 39, 41, 42, 44
107. <i>Hipparchia fagi</i> (Scopoli, 1763)	7, 10, 11, 12, 14, 15, 22, 27
108. <i>Hipparchia semele</i> (Linnaeus, 1758)	7, 8, 9, 10, 13, 14, 16, 17, 18, 19, 20, 21, 22, 29, 30, 32, 33, 36
109. <i>Hipparchia statilinus</i> (Hufnagel, 1766)	6, 7, 8, 9, 10, 12, 14, 15, 17, 18, 19, 20, 21, 22, 25, 27, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 40, 44
110. <i>Hyponephele lupinus</i> (Costa, 1836)	8, 10, 19, 20, 27
111. <i>Hyponephele lycaon</i> (Kühn, 1774)	
112. <i>Lasiommata maera</i> (Linnaeus, 1758)	7, 8, 12, 14, 15, 17, 18, 21, 22, 27, 29, 30, 31, 32, 33, 34, 35, 36, 37
113. <i>Lasiommata megera</i> (Linnaeus, 1767)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44
114. <i>Maniola jurtina</i> (Linnaeus, 1758)	1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 42, 43, 44
115. <i>Melanargia arge</i> (Sulzer, 1776)	9, 10, 12, 14, 17, 18, 19, 20, 21, 22, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 40, 43, 44
116. <i>Melanargia galathea</i> (Linnaeus, 1758)	2, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 27, 29, 30, 31, 32, 33, 34, 35, 36, 38, 39, 40
117. <i>Melanargia russiae</i> (Esper, 1783)	7, 8, 10, 12, 14, 17, 18, 19, 20, 21, 22, 33, 36, 38
118. <i>Pararge aegeria</i> (Linnaeus, 1758)	2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 42, 43
119. <i>Pyronia cecilia</i> (Vallantin, 1894)	3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 40, 41, 44
120. <i>Pyronia tithonus</i> (Linnaeus, 1771)	11, 13, 14