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TOWARDS A CONVINCING AND UPDATED ASSESSMENT OF ITALIAN DERMAPTERA

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Dermaptera are a well-studied group of insects in Italy since long time. Many Italian entomologists contributed to the knowledge of worldwide as well European Dermaptera: Franco Andrea Bonelli (1784-1830), Carlo Genè (1836-1890), Alfredo Borelli (1857-1943), Felice Capra (1896-1991) and Antonio Galvagni (1924-2015) in the past and nowadays Augusto Vigna Taglianti and Paolo Fontana. Dermaptera are in general well-known in Italy both from a taxonomic point of view as well for what is regarding their distribution and ecology. The Checklist of the Italian Dermaptera (http://www.faunaitalia.it/checklist/), compiled and updated by Augusto Vigna Taglianti, numbers 4 Families (Anisolabididae, Labiduridae, Labiidae and Forficulidae), 11 genera and 26 species (8 of them strictly endemic to Italy) plus one (Forficula smithensis Audinet-Serville, 1839), recently recorded for Italy and probably introduced (Tirello et al., in press).

The Italian Dermaptera up to date known are the following species (endemic species are underlined):

Anisolabis maritima (Bonelli in Genè, 1832)
Euborellia annulipes (Lucas, 1847)
Euborellia moesta (Genè, 1837)
Euborellia stali(Dohrn, 1864)
Nala (ividiipes (Dufour, 1820)
Labidura riparia (Pallas, 1773)
Labia minor (Linnaeus, 1758)
Anechura bipunctata (Fabricius, 1781)
Chelidurella aptera (Megerle in Charpentier, 1825)
Chelidurella acanthopygia (Genè, 1832)
Chelidurella caprai Vigna Taglianti, 1993
Chelidurella mutica (Krauss, 1886)
Chelidurella poggili Capra, 1982

Chelidurella thaleri Harz, 1980
Chelidurella vignai Galvagni, 1995
Chelidurella fontanai Galvagni, 1996
Pseudochelidura orsini (Genè, 1833)
Pseudochelidura galvagnii Vigna Taglianti, 1999
Apterygida albipennis (Megerle in Charpentier, 1825)
Forficula apennina Costa, 1881
Forficula auricularia Linnaeus, 1758
Forficula decipiens Genè, 1832
Forficula obtusangulata Krauss, 1904
Forficula pubescens Genè, 1837
Forficula silana Costa, 1881
Forficula smithensis Audinet-Serville, 1839

The genus Chelidurella Verhoef, 1902 have been revised by Antonio Galvagni (1997) who confirmed the validity of the genus and the presence of 7 species in Italy. The work of Galvagni, based on male morphology, have been recently mostly confirmed by morphological approach as well molecular approaches in study conducted by Kirstová, Kundrata and Kočárek (in press). The same research confirmed the validity of the genus Mesochelidura Verhoef, 1902 considered synonym of Chelidura laterille, 1825 by many authors as well as in the Fauna Europaeae. After the resolution of the problems within the genus Chelidurella, the genus Chelidura remains to be revised. The main problem for such a revision is given by the type locality of the type species of the genus, Chelidura aptera, which is simply and tragically “Europe”. Also the study of this genus, should be managed with a molecular approach too.

Key Words: Dermaptera, Italian Fauna, Checklist, Chelidurella, Chelidur.