

Abstract:

In this study it has been paid to study of fauna Hymenoptera of Ichneumonidae in Jiroft region, Kerman. The parasitoid wasps are important in the control of damaging pests and they can have a key role in some biological control programs. The sampling of different areas in the city of Jiroft during 2013-2015 on the natural ecosystems, farms and orchards in the country by sweeping net, malaise traps and light traps. The samples were kept in alcohol 75%, identifying the species based on external morphology of specimens, using standard identification keys and exchange of samples. Collected and identified species are classified as the fauna of Jiroft classification. Identification keys based on the differential characteristics to differentiate species for each subfamily has been provided. A total of 37 Species from 11 subfamily have been collected and identified. The species *Exetastes adpressorius* from subfamily Banchinae (Thunburg, 1822), the species *Temelucha afghana* from subfamily Cremastinae (Sedivey, 1968), 14 species from subfamily Cryptinae including: *Dichrogaster saharator* (Aubert, 1964), *Dichrogaster longicaudata* (Thomson, 1844), *Goryphus* sp1, *Goryphus* sp2, *Hoplocryptus heliophilus* (Tschek, 1871), *Lysibia nana* (Gravenhorst, 1829), *Phygadeuon* sp., *Mesostenus transfuga* (Gravenhorst, 1829), *Mesostenus albinotatus* (Gravenhorst, 1829), *Mesostenus grammicus* (Gravenhorst, 1829), *Mesoleptus laevigatus* (Gravenhorst, 1820), *Trychosis legator* (Gravenhorst, 1822), *Zoophthorus* sp1, *Zoophthorus* sp2. , three species from subfamily Diplazontinae including: *Diplazon laetatorius* (Fabricius, 1781), *Enizemum ornatum* (Gravenhorst, 1829), *Homotropus signatus* (Gravenhorst, 1822), subfamily Ichneumoninae four species: *Diadromus collaris* (Gravenhorst, 1829), *Diphyus* sp., *Heterischnus filiformis* (Gravenhorst, 1829), *Pseudoamblyteles homocerus* (Weasmael, 1854), subfamily Metopiinae any *Exochus castaniventris* (Brauns, 1896), five species from subfamily Orthocentrinae: *Megastylus (Dicolus) excubitor* (Forester, 1829), *Orthocentrus asper* (Gravenhorst, 1829), *Orthocentrus strigatus* (Holemgren, 1858), *Orthocentrus spurius* (Gravenhorst, 1829), *Enicospilus ramidulus* from subfamily Ophioninae (Linnaeus, 1758), five species from subfamily Pimplinae: *Itopectis alternans* (Gravenhorst, 1829), *Itopectis tunetana* (Schmiedeknecht, 1914), *Itopectis viduata* (Gravenhorst, 1829), *Scambus vesicarius* (Ratzeburg, 1844), *Pimpla arcadica* (Kasparyan, 1973), *Netelia* sp. from subfamily Tryphoninae and *Aneuclis incidense* (Forster, 1869) from subfamily Tersilochinae were have been introduced. Two species *Goryphus* sp1 and *Goryphus* sp2 from subfamily Cryptinae, *Diphyus* sp. from subfamily Ichneumoninae, *Megastylus (Dicolus) excubitor* (Forester, 1829) from subfamily Orthocentrinae and *Enicospilus ramidulus* (Linnaeus, 1758) from subfamily Ophioninae is new for fauna of Iran.

Keywords: Ichneumonidae, parasitoids, fauna



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