A Biogeographical Analysis of the Genus Evylaeus Robertson
(Hymenoptera: Halictidae) of Turkey

Fatih Dikmen*, Ahmet Murat Aytekin

Hacettepe University Faculty of Science, Department of Biology, 06800 Beytepe, Ankara, Turkey
fatih.biolog@gmail.com, ama@hacettepe.edu.tr

Evylaeus Robertson is the largest genus of the family Halictidae (Apoidea: Hymenoptera). It contains nearly 350 currently recognized species in Palaeaeartic Region. However data on the West Palaeaeartic distribution of these species is scantly. For this reason, checklists of the most prominent bee databases and the literature were analyzed to figure out the West Palaeaeartic distribution of the genus. The species composition of Middle Asia, Caucasia, North Africa, Europe and Turkey were compared. Besides, Mediterranean area of West Palaeaeartic which is one of the main biodiversity hotspot regions of the world was discussed according to the occurrence of these species. On the other hand, it was found that Evylaeus fauna of Turkey is one of the richest fauna with 119 species. Moreover the information on the flower choices of the members of the genus was also discussed. In conclusion, this study reviewed the general status of the genus in Turkey and provides a base for future taxonomic studies.

Host-plant specialization