

Carabidae (Coleoptera) Records from Upland-Meadows of Türkmen Mountain (Kütahya-Eskişehir), Turkey

Yakup ŞENYÜZ¹, EbruCeren FİDAN², Kemal DİNDAR³

¹ BiologyDepartment, Dumlupınar University, TURKEY

² Biology Department, Eskişehir Osmangazi University, TURKEY

³ Institute of Science, Dumlupınar University, TURKEY
yakup.senyuz@dpu.edu.tr

Aim of the study: The aim of this study to contribute the taxonomical and ecological information about the fauna of Carabidae in Turkey. 15 different species recorded from 11 different upland-meadows of Türkmen Mountain between 2005-2008.

Material and Methods: The material of this study comprises the Carabidae specimens which are collected from 11 upland-meadows of Kütahya province part of Türkmen Mountain. Specimens were collected with pitfall traps, hand and aspirator. Each specimen is identified and turn into a museum material with classic preparation methods. All of the specimens are stored in Entomology Laboratory of Department of Biology in Dumlupınar University.

Results: As a result of this study 86 Carabidae specimens belong to 15 different species has identified. This species are; Carabus (Pachystus) graecus morio Mannerheim, 1830; Pterostichus (Platysma) nigerniger Schaller, 1783; Amblystomus niger (Heer, 1841); Calathus (Calathus) fuscipes graecus Dejean, 1831; Calathus (Neocalathus) melanocephalus melanocephalus Linne, 1758; Calathus (Neocalathus) erratus C.R.Sahlberg, 1827; Calathus (Neocalathus) ambiguus dilitus Chaudoir, 1842; Amara (Amara) eurynota (Panzer, 1796); Zabrus (Zabrus) tenebrioides tenebrioides Goeze, 1777; Harpalus (Harpalus) attenuatus Stephens, 1828; Harpalus (Harpalus) honestus (Dufischmid, 1812); Harpalus (Harpalus) distinguendus (Dufischmid, 1812); Ophonus (Hesperophonus) azureus Fabricius, 1775; Brachinus explodens Duftschmid 1812; Siagona europaea Dejean, 1826. The sustainability of meadows is a very important factor of conservation the ecology on mountains and Carabidae species are using as habitat bioindicators from all over the World, for that reason this research is important for contribution of these species ecological information. Species World and Turkey distribution, habitus figures and ecological informations are given.

Keywords: Carabidae, Coleoptera, Türkmen Mountain, Kütahya, Turkey.