

## The studies on biodiversity of carabidae family in 3 forest types in Andırın, Kahramanmaraş province of Turkey

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**Abstract:** In this study, identification of fauna, diversity, and ecology of Carabidae beetles in three forest types (oak, cedar+oak, and beech) were studied. The study was conducted in Kahramanmaraş-Andırın province from April to October in 2013 and 2014. Window and pit-fall trap were used to collect the beetles. A total of 1489 adults were collected from the traps. 15 species belonging to 12 genus of Carabidae were determined. Also, information was provided on each track found, ecological characteristics obtained in the field, host plants, phenologies, hazard situations and collection records. As a result, *Aptinus (Aptinus) creticus*, *Calosoma sycophanta*, *Carabus (Archicarabus) wiedemanni caramanus*, *Carabus (Procrustes) coriaceus resslı*, *Carabus (Lamprostus) mulsantianus*, *Procerus syriacus*, *Dinodes (Dinodes) decipiens*, *Ophonus (Hesperophonus) azureus*, *Lebia scapularis*, *Nebria hemprichi*, *Calathus syriacus*, *Laemostenus (Laemostenus) venustus*, *Tapinopterus samai*, *Trechus (Trechus) austriacus* and *Trechus (Trechus) quadristriatus* were determined.

**Keywords:** Coleoptera, Carabidae, Cedar, Oak, Andırın, Kahramanmaraş