

# Turkish Journal of Zoology

Turkish Journal  
of  
Zoology

Faunistic and Taxonomic Studies on the Family Buprestidae (Coleoptera) in Erzurum, Erzincan, Artvin and Kars Provinces I. Acmaeoderinae, Polycestinae and Buprestinae

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**Abstract:** A faunal and taxonomic study on the family Buprestidae (Coleoptera) was conducted in the provinces of Artvin (Central, Ardanuç, Borçka, Hopa, Şavşat and Yusufeli), Erzincan (Central, Tercan and Üzümlü), Erzurum (Central, Aşkale, Çat, Horasan, İlica, İspir, Narman, Oltu, Olur, Pasinler, Pazaryolu, Şenkaya, Tortum and Uzundere) and Kars (Digor and Sarıkamış) in 1993-1997. A total of 46 species and subspecies were recorded belonging to 3 subfamilies, namely Acmaeoderinae (12 species), Polycestinae (1) and Buprestinae (33). Of these taxa, Acmaeodera (s.str.) transcaucasica Semenov, Dicerca (s.str.) chlorostigma Mannerheim, Anthaxia (Haplantaxia) truncata Abeille de Perrin and Acmaeoderella (Carininota) flavofasciata albifrons (Abeille de Perrin) are new records for the Turkish fauna. Acmaeoderella (Euacmaeoderella) villosula (Steven), Anthaxia (Haplantaxia) cichorii (Olivier), A. (s.str.) muliebris Obenberger, A. (s.str.) nigricollis Abeille de Perrin and Melanophila picta decastigma (Fabricius) were widespread species throughout the region. Moreover, Anthaxia cichorii, M. picta decastigma, Acmaeoderella (Carininota) flavofasciata (Piller & Mitterpacher), A. (C.) albifrons, A. (C.) mimonti (Boieldieu), Anthaxia (H.) millefolii (Fabricius), A. (M.) nigrojubata nigrojubata Roubal and A. (M.) nigrojubata incognita Bily were more abundant than the others. Keys to the subfamilies, tribes, genera and species were prepared as well as the body parts of taxonomic importance being illustrated. Furthermore, the distribution of these species in Turkey and the world was given. Host plants of some species were recorded and plant species from which insect samples collected were also included.

**Key Words:** Buprestidae, Faunistic, Taxonomic, Turkey

Turk. J. Zool., **24**, (2000), 51-78.

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