

## New locality record of anatolian ground squirrel, *Spermophilus xanthoprimum* (Bennett, 1835) in Isparta-Gencali Province

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**Abstract:** In this study, a new locality was determined for the Anatolian Ground Squirrel (*Spermophilus xanthoprimum* Bennet, 1835). Anatolian ground squirrels, one of three species of old world ground squirrels native to Turkey. Species habitat in Egirdir-Gencali province tableland which named "On Kuyular", location altitude at 1592 m. *S. xanthoprimum* associate with a continental climate and inhabit short-grass steppes. It was found that *Quercus coccifera*, *Juniperus sp.*, *Astragalus sp.*, *Malva sp.*, *Papaver sp.*, *Verbascum sp.*, *Anthemis sp.*, *Elytrigia repens* and *Carduus marianus* have formed the dominant vegetation of the area. Direct observation technique was used at study between wild animals observation techniques. It was determined that the hibernation period of target species begins in mid-October and ends in March. Species burrows feature, mating season, population behavior and predators study which this resource in its habitat. With this research result determined the Anatolian ground squirrel get stuck in this province. At target species habitat, have been determined that Gencali villages people practice transhumance and stockbreeding increasing their activity. If the necessary measures are not taken, increasing human influence on habitat have an effect negatively on Anatolian ground squirrel population and therefore species should be extinct in future.

**Keywords:** Anatolian ground squirrel, *Spermophilus xanthoprimum*, Ecology, Conservation, Isparta