



Morphometric Differences Between *Serranus cabrilla* (Linnaeus, 1758) Populations from Mediterranean and Aegean Sea

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Abstract

The aim here is to investigate morphometric structure of comber *Serranus cabrilla* populations from Aegean Sea (Izmir) and Mediterranean Sea (Mersin). Truss measurements were made on the specimens by collecting X-Y co-ordinate data for 10 morphological landmarks. Discriminant function analysis was used to investigate morphometric differences between populations using SPSS. Univariate statistics (ANOVA) revealed highly significant differences among locations from 9 out of 18 truss measurements. In discriminant function analysis, a high degree of morphologic differentiation was detected among populations. Proportions of correctly classified individuals into their original grouping showed high classifications in the Mediterranean Sea and Aegean Sea samples, 100 % and 97.1%, respectively. It was observed that samples from the Aegean Sea (Izmir) and Mediterranean Sea (Mersin) were different from each other.

Keywords:

Serranidae, Comber, *Serranus cabrilla*, morphometric
