



## An Investigation on The Pointed Comber (*Serranus scriba* Linnaeus, 1758) Straight and Kirbed Hooks With in Gokova Bay, Turkey

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### Abstract

The aim of this study is to reveal which was carried out on different bottoms that 4 different sizes (2,4,6,8 no) of straight and kirbed hooks on 4 tippetts used on Pointed comber (*Serranus scriba* Linnaeus, 1758) in handline fishing between September 2015 and March 2016 in Gokova Bay in the Aegean Sea (southwest of Turkey). Pointed comber *Serranus scriba* (Linnaeus, 1758) is one of the 537 members of the Serranidae family which live between 5-150 m depths, in rocky bottom and *Posidonia* beds. They feed on fish and small crustaceans. Due to the carnivores which is *S. scriba* has ecological importance and it is called discard species in the region. During the study 34 individuals of this species were captured by angling. The weights were ranged from 4.33 g to 107.73 g. 73% (1039,08 g) of obtained total fish weight (1421,97 g) was captured with straight hooks and remained 27% (382,89 g) of the total fish weight was captured with kirbed hooks. No mortality and no hemorrhages were observed. The reactions have been had just after casted fishing lines in 3 min. (sd. 2,34 min.). 50% of captured individuals were fished in less than 2 minutes. There was no difference found in terms of statistical between two type of hooks ( $P < 0.631$ ). Consequently, the use of straight hooks has been appropriate for *S. scriba* by reason of low mortality in handline fishing particularly in catch and release fishing.

### Keywords:

Pointed comber, *Serranus scriba*, straight hooks, kirbed hooks, Gökova Bay

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