

Reproduction of *Carangoides chrysophrys* in Persian Gulf (Hormozgan province waters)

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In this study, some parameters of reproductive biology of the *Longnose trevally* (*Carangoides chrysophrys*), gonadosomatic index, sex ratio, absolute fecundity and relative fecundity and gonadal development stages were investigated. Sampling in the waters of the Hormozgan province from March 2013 to March 2014 with fishing vessels by trawls and gillnets was performed. In the study, a total of 376 specimens were investigated. Of this number 194 were male, 137 female and 45 immatures. The female to male sex ratio was 1:42. The maximum absolute fecundity for the period March 21st to April 20th was 479992 ovules and the maximum relative fecundity in the period October 23rd to November 21st was 354 ovules per gram. The minimum absolute fecundity computed was 98247 for the period June 22nd to July 22nd and the minimum relative fecundity was 125 ovules per gram for the period June 22nd to July 22th. The mean Gonado-Somatic Index (GSI) computed for various months was 1.28 and the greatest gonadosomatic index was 2.86 for the period March 21st to April 20th and the minimum GSI was 0.43 for the period May 22nd to June 21st. The length at first maturity was 46 cm (LM 50).

Biography

Mojgan Khodadadi has completed her PhD at Islamic Azad University, Tehran Branch. She is the Supervisor of Pirooz Emami Abarghoei, a Master Student of Aquaculture. She has published more than 50 papers in reputed journals (ISI and ISC) and has been serving as an Editorial Board Member of reputed.

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