

Reproductive Biology of Chirruh Snowtrout (*Schizothorax Esocinus*) from River Swat, Pakistan

Authors : Waheed Akhtar

Abstract : In the current study, we aim to access the different month-wise reproductive biology of *S. esocinus*. Samples were collected from Rive Swat in the period of March 2022 to March 2023. Samples were collected using different gills nets of different sizes. Gonado Somatic Index and fecundity were studied using gravimetric to identify the breeding season and reproductive potential. The highest GSI was recorded in the month of April and November. Male to female ratio was in balance. The weight of the fish, size of the fish and ovary were parallel to the fecundity. This is the baseline study for the breeding biology of *S. esocinus* and further molecular study is required to identify the internal and external factors associated with the breeding biology of *S. esocinus*.

Keywords : snow trout, length and weight relationship, fecundity, river Swat

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