

عنوان مقاله:

Some Biological Characteristics of Tadpole Shrimp, *Triops cancriformis*, from Seasonal Pools of West Azarbaijan (Iran)

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خلاصه مقاله:

The tadpole shrimp of genus *Triops* is a well-known living fossil whose fundamental morphology has been unchanged for ۲۲۰ million years. We collected specimens of *Triops cancriformis* in temporary water bodies near the southern part of Urmia Lake (in the Fall of ۲۰۰۵). Some biological characteristics of this *Triops* were investigated. The feeding regime of *T. cancriformis* was found to be related to the fauna and flora of the temporary pools. Invertebrates and animal detritus were found to constitute major part of the feed-ing regime. The existence of *Triops* cysts and particles in the gut also showed certain de-gree of cannibalism. Morphological and histological investigations showed that the population of *T. cancriformis* was female and there was only one male among ۴۰۰ samples collected. Observation of sperm among follicle ducts of a few samples indicated some degree of hermaphroditism, but the animal seemed to reproduce mainly through parthenogenesis. Fecundity, varying from ۱۰۰ to ۲۵۰۰ cysts, was with a few exceptions related to the body size. The average cyst diameter was ۴۰۰ ۸۵ m

کلمات کلیدی:

Crustacean, Feeding Regime, Notostraca, reproduction, Shrimp, Tadpole *Triops cancriformis*

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