



Monogenean parasites of prusian carp in Persian Gulf Martyrs lake Tehran, Iran

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Abstract

Prusian carp (*Carassius gibelio*) is an alien and uneconomic fish that is inadvertently imported to Iran and scattered in water resources. A total of 38 prusian carp, *Carassius gibelio*, were collected from Persian Gulf Martyrs Lake in Tehran from May, 2019 to January, 2020. Fish were transported alive to a mobile laboratory for investigation of monogenean parasites. For monogenean sampling, gills and skin wet mounts prepared. 174 monogenean parasites were recovered from 79% of investigated fish. The parasites identified using morphometric measurements of hard parts, the morphology of haptor parts and the shape of the male copulatory organ. In this investigation five species of *Dactylogyrus* were recovered; *D.formosus*, *D.anchoratus*, *D.vastator*, *D.baueri* and *D.inexpectatus*. On the other hand one species of *Gyrodactylus* sp. and one non-specific parasite *Tetraonchus monenteron* also isolated from two ones of the studied fish. The presence of non-specific parasite, *T. monenteron*, in gibel carp requires further investigation.

Keywords: Tehran, lake, parasite, Persian Gulf