

عنوان مقاله:

Morphometric and molecular characterization of *Dactylogyrus lamellatus* isolated from farmed Grass carp, *Ctenopharyngodon idella* (Valenciennes, ۱۸۴۴), in Guilan Province, Iran

محل انتشار:

مجله علوم شیلات ایران، دوره 19، شماره 3 (سال: 1399)

تعداد صفحات اصل مقاله: 11

نویسندگان:

J. Daghigh Roohi - *Iranian fisheries Sciences Research Institute*

A. Dalimi - *Faculty of Medical Sciences, Tarbiat Modares University*

M. Pourkazemi - *Iranian fisheries Sciences Research Institute*

M. Ghasemi - *Iranian fisheries Sciences Research Institute*

Sh. Shamsi - *Charles Sturt University*

خلاصه مقاله:

Grass carp is an herbivorous species, which is actually popular in Iran. Monogenean parasites, particularly members of the family Dactylogyridae, have been one of the main causes of mortalities in Iranian fish farms and therefore they have been subject of many studies in Iran. The main aim of the present study was to describe morphological and molecular characteristics of monogenean parasites recovered from the farmed grass carp (*Ctenopharyngodon idella*) in the Guilan Province during ۲۰۱۵ to ۲۰۱۶. A total of ۸۰ grass carps have been examined for infestation with monogenean parasites. ۱۰۹۲۳ *Dactylogyrus* species were recovered from ۹۵% of the farmed grass carp. The parasite was first classified based on their morphological characteristics and identified as *Dactylogyrus lamellatus*. The parasite was then subjected to PCR and sequencing of the ۲۸S rDNA gene. The phylogenetic tree showed that *D. lamellatus* genetically was similar to those previously reported from other countries and Mashhad farms in Iran.

کلمات کلیدی:

.Grass carp, *Dactylogyrus lamellatus*, ۲۸S rDNA, Guilan, Iran

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<https://civilica.com/doc/1401624>

