

**PROTOZOAN PARASITES IN FISH FROM FISH FARMS IN
REPUBLIC OF MACEDONIA**

Blazhekovikj-Dimovska D.¹, Stojanovski S.², Smiljkov S.³, Velkova-Jordanovska L.²

Abstract: Many parasitic infections in farm-raised fish are caused by protozoan parasites. Ecto- and endoparasitic protozoa are among the most dangerous threats to fish populations. These parasites attack the fish, some of them causing severe damage to skin, fins and gills (ectoparasites) or internal organs (endoparasites).

In Macedonia, nearly 100 species of parasites in fish were found, of which more than 10 belong to the protozoa. The most frequent are: *Chilodonella piscicola*, *Ichthyophthirius multifiliis*, *Goussia* sp., *Myxobolus cyprini*, *M. dispar*, *M. muelleri*, *M. encephalicus*, *Thelohanellus nikolskii*, *T. hovorkai*, *Chloromyxum legeri* and more types of ciliates of the genus *Trichodina*.

Keywords: protozoa, fish farms

¹ University “St. Kliment Ohridski”, Faculty of Biotechnical Sciences, Bitola, Macedonia,

² Hydrobiological Institute, Ohrid, Macedonia

³ Institute of Biology, Faculty of Science, 1000 Skopje, Macedonia

Corresponding author: Blazhekovikj-Dimovska Dijana, e-mail
dijanablazekovic@yahoo.com