

# The effect of rosemary bathing on *Gyrodactylus* sp. frequency in gill of common carp juveniles (*Cyprinus carpio*)

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## Abstract

The present study was investigated to compare disinfecting effect of rosemary extract in different concentrations on *Gyrodactylus* sp. in gills of common carp juveniles (*Cyprinus carpio*). An alcoholic extract of rosemary was prepared and fish juveniles with average weight of 25 g was treated by 0.5 and 1 g.l<sup>-1</sup> of rosemary extract, and 1 ppm of formalin. Another group of fish was treated by water as the control. Bathing was taken for 30 minutes and conducted two times (1- after fish adaptation, 2- one week after the first bath). After first and second bathing, there were significant differences in parasite frequency among various treated groups (P<0.05). After second bathing, the average number of parasite in the control was 2 but no parasite was found in gills of those fishes treated by 1 g/l rosemary extract and formalin.

**Keywords:** Rosemary, Formalin, *Gyrodactylus*, Common carp gill