

P17. HISTOPATHOLOGICAL STUDIES ON SOME ORGANS OF CYPRINUS CARPIO AND TINCA TINCA FROM MOGAN LAKE

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This study deals with the physicochemical water parameters of Mogan Lake and their histopathologic effects upon *Cyprinus carpio* and *Tinca tinca*. This study was carried out on 5 (*Cyprinus carpio*) and 19 (*Tinca tinca*) caught in Mogan Lake in 2013. The fork length and weight were calculated as 250-330 mm, 274.25-761.76 g and 230-295 mm, 222.80-447.42 g for *Cyprinus carpio* and *Tinca tinca* respectively. The changes of the fish tissues were determined by the use of routine histological methods. There were bronchitis, telangiectasia and passive hyperemia determined in gills; hydropic and vacuolar degeneration were seen in livers; there were hyperemia in kidney tissue. Bronchitis and hyperemia were intensively observed in *Cyprinus carpio* and *Tinca tinca*. Focal hepatitis was much more intensive in *Cyprinus carpio*.