

# **Study of hematologic parameters, immune and biochemical in different age and Sex of *Liza auratus* (beach of Bandar Anzali)**

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**Abstract** Aureum mullet (*Liza auratus*) is a kind of marine immigrant that has economical value. It has considerable share of Khazar sea fishing . During past years we have observed aureum mullet mortality due to a virus so in this research we have tried by studying *Liza auratus* some blood, immunity and biochemical factors determine present condition . To this at 1394-95 fishing season took 40 aureum mullet Anzali sea . After fishing took fishes blood sample and conducted biomeasuring and determine age and gender , according to obtained results 14 fishes were female and 26 male , also fishes are in 5 age groups 3(6) , 4(13), 5(4), 6(12), 7(3). Laboratory results showed that total weight is 82/60 270/10 , total height 36/67 3/38, total red blood cell 2050250 299122/5, white blood cell 4635 1162/8, hemoglobin 7/58 1/08, hematokrit 44/68 6/46, MCV 217/73 4/92, MCH 36/78 0/8, MCHC 16/75 0/49, notriphyl 22/33 3/59, linphocyt 73/35 4/04, monocyt 3/80 0/91, auzinophyl 0/70 0/83 , total immunoglobulin 20/74 3/89 , albumin 1/14 0/43 , IGM 24/50 9/44 , glucose 85/56 34/49 , C4 56/34 7/69, C3 66/39 9/75 , total proteoin 3/89 0/72 , Lysozyme activity 27/28 9/06 that obtained results showed blood, immunity and biochemical factors are not affected by gender ( $p>0/05$ ) but in some factors at different ages observed meaningful difference (p

**Keywords :** Blood factors

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