

## **Survey on bacterial losses in cultured fish in Khuzestan province**

Aliakbar Jahanshahi- Siavash Abbas- S.Reza S. Mortezaei- Niazmohammad Kor

### **Abstract**

From early September 1995 during 12 months from fish culture ponds of Khuzestan province 363 fishes transferred to fish disease laboratory one hundred and fifty three fishes were diseased or apparently healthy, and 210 specimens were healthy. The experimental fishes were from different species including Grass carp (131 specimen), common carp (114 specimen) and silver carp (119 specimen). The most mortalities and disease was observed in Grass carp. From 7 mortalities observed, 5 cases belonged to Grass carp species and 2 cases to silver carp which at least 50 percent of fishes died. The most percentage of bacterial infection 48.3% belonged to *Aeromonas* spp. Of which 24.18% was isolated from kidney. *Aeromonas* infection, columnaris disease and peduncle disease were the major diseases observed during the conduction of the present study. Pathological studies were carried out in detail for these diseases. Other bacteria also seemed to have a role in the infection observed during this study. The following suggestions can be considered in order to control or treat the bacterial diseases in fish culture: Including the suitable nutrition and water quality and also prevent of the transference of the infected fishes, use of the resistant species of fish, the use of vaccination and immunological stimulation, the use of Antibiotic, Biological method, etc.