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## Adapt or die' only two forceful options for aquatic animals due to Barrage across Godavari River at Bahli, Dist. Nanded, Maharashtra

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Construction of barrages across river Godavari is a dream plan of Govt. Of India executed by Govt. Of Maharashtra. It has created boon to agriculture by increasing the ground water level along both coasts of river up to 8-10 km.; the problem of drinking water is reduced considerably for human population are major positive outputs of barrages. About 100 km. from district place Nanded near Bahli village a barrage across river Godavari has also same positive impacts but there are hundreds of changes in overall ecosystem of river has happened and the seriousness increasing with time. Either river authorities or concern government is careful about the fact. Destruction of breeding grounds, nesting grounds and feeding grounds of local endemic fish fauna and crab species (*Barytalphusa guerini* and *B. cunicularis*), high rate of siltation on bottom, destruction of coastal vegetation and marsh niches in low line areas which are feeding grounds of birds, percolation of coastal acacia bark tannin and lignin in water results in local poisoning effects, increased population of turtle species and predatory fishes *Wallago attu*, *Sperata seenghala*, *Sperata oar* while decreased population of *Mugil species* indirectly causing decreased catch of carps and destruction of trapped fishes in the nets by turtles and predatory fishes. The only option for aquatic creatures is either adapt or to die. It is a forceful binding on the creatures of river ecosystem resulted due to barrage construction on the river. The barrage impact is on all dependents and linked in river food web.

### Biography

Shivaji Chavan is Ph. D. In Parasitology (Fish Helminth systematic) from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra. Present position is Associate Professor in School of Life Sciences, Swami Ramanand Teerth Marathwada University, Nanded, MS. Published 23 Papers in journals, best publication is in PLOS ONE in year 2012 and 2014. He is involved mainly in research and teaching of various disciplines of Zoology as a major subject especially Endocrinology, Parasitology, Leech Biology, Fisheries and Fish Culture, Environmental Pollution and Toxicology, Filariasis and nematode control which are his research area.

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