

# Framework and sustainable audit for the assessing of the Ganga river ecosystem health at Allahabad, India

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**ABSTRACT :** Fishes are a prominent feature in most national economics and employments. Riverine ecosystems present unique opportunity to employment of fishers and youth community in the Ganga basin, India. Present study was undertaken to fish catch from the middle stretch of the Ganga river at Allahabad, India during the period July 2014 to June 2015. Annual fish landing demonstrated that the catch was dominated by miscellaneous group (22.16 kg day<sup>-1</sup>) followed by *Oreochromis niloticus* (12.76 kg day<sup>-1</sup>) and *Sperata seenghala* (12.63 kg day<sup>-1</sup>) and they accounted for 23.19 per cent, 13.36 per cent and 13.21 per cent, respectively. In case of Indian major carps, *Cirrhinus mrigala* shared maximum contribution with 7.73 kg day<sup>-1</sup> (8.09%). *Catla catla* and *Labeo rohita* shared 1.45 (1.51%) and 2.35 kg day<sup>-1</sup> (2.46%), respectively. The landing of fishes fluctuated from season to season from the Ganga river at Allahabad, India. For conservation point of view *Cyprinus carpio* and *O. niloticus* species should be monitored in the Ganga river. Both species are very harmful for the Ganga river ecosystem.

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