



Morphometric Characteristics of Some Selected Hill Stream Fishes from Hadauti Region, Rajasthan, India

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Abstract: The present study deals with the morphometric analysis of four fish species *i.e.* *Callichrous pabda*, *Esomus danrica*, *Channa punctatus* and *Puntius ticto*. The samples were collected from selected streams of Hadauti region during 2018-19. A total of 23 characters were taken for morphometric measurements in which some characters were calculated in percentage of total length and a few in percentage of head length. The characters having the range difference less than 10% were considered as genetically controlled, the range difference of 10-15% as intermediate characters and range difference more than 15% were regarded as environmentally controlled characters. Positive correlation has been observed between total length and external body parts. Linear relationships have been observed between all the independent and dependent characters. The value of correlation coefficient was fairly high in almost all the characters so it can be concluded that all the dependent characters increase in direct proportion to each other.

Keywords: Morphometric characters, Hill stream fishes, Hadauti region
