

Furthermore, fish fed with immunostimulant-supplemented diets showed greater body length increments than the fish fed with control feed. Among, all the tested feeds, fish fed with vitamin C mixed feed exhibited greater body length gain. After 30 days of treatment, the length gain of fish fed with control feed as well as vitamin C, vitamin E, Chitin, Chitosan, and levamisole supplemented feeds were found to be 1.4, 2.3, 2, 1.6, 1.9, and 1.8 cm respectively.

However, the fish fed with vitamin C and vitamin E supplemented feed exhibited greater body width (BW) than the control. Whereas, the fish fed with chitin, chitosan, and levamisole supplemented feed shows lesser BW than the control. The highest BW gain observed in the fish fed with vitamin E supplemented feed. After 30 days of treatment, the BW gain of fish fed with control feed as well as vitamin C, vitamin E, chitin, chitosan, and levamisole supplemented feeds were found to be 0.7, 1, 0.8, 0.5, 0.4 and 0.6 cm respectively (Figure 4 to Figure 9).

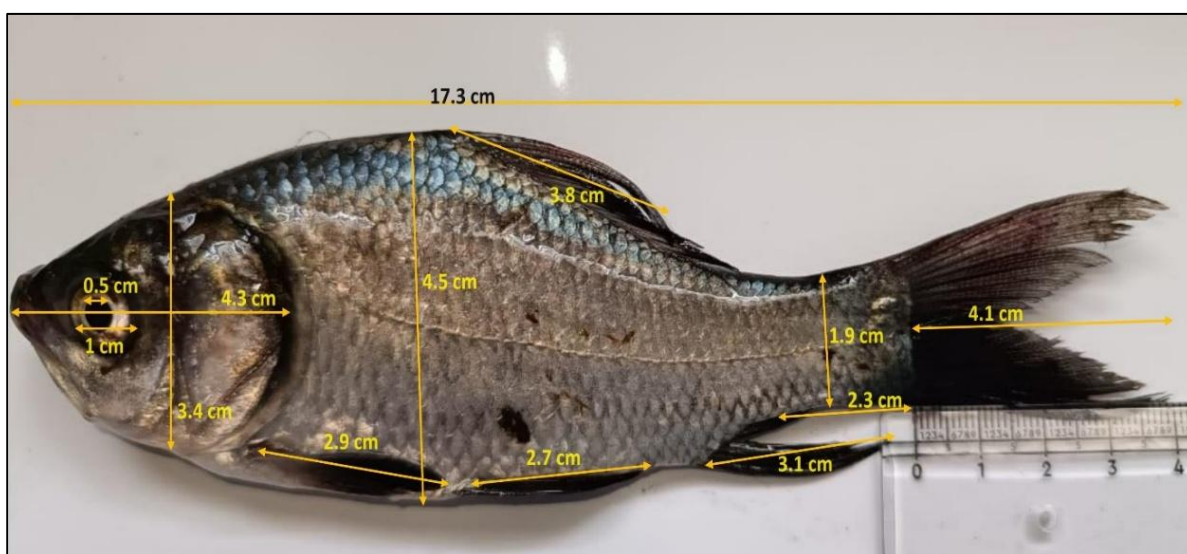


Figure 4 Morphometric measurements of *Catla catla* fed with normal feed after 30 days of treatment

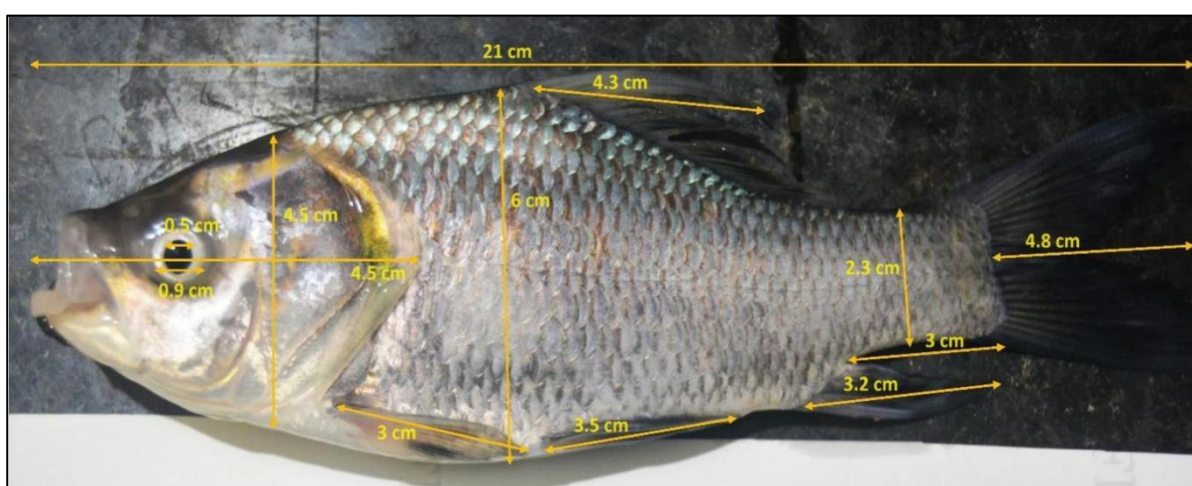


Figure 5 Morphometric measurements of *Catla catla* fed with vitamin C mixed feed after 30 days of treatment