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Seasonal dominance on the morphometry of B. bengalensis from Paschim Medinipur district, West Bengal (INDIA)

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Abstract:

Bellamya bengalensis is a fresh water edible snail and largest prosobranch animal. Morphometric analysis with seasonal variation provide morphological, life cycle as also their ecological habitat information. To understand morphological parameter of *Bellamya bengalensis*, various morphometric character indices like shell shape, shell colour, shell length, shell width and sample weight were determined from study area. During seasonal changes, climate as well as temperature changes occur, that directly exerted the effect on the *Bellamya bengalensis* population. During post monsoon period *Bellamya bengalensis* population remain in aestivation condition due to hot climate and dryness of summer. At early monsoonal season as well as mid post monsoonal season identified as their breeding seasons, Young population of *Bellamya bengalensis* occur at mid monsoon and late post-monsoon seasons. Adult group entire the population at early pre-monsoon and early post-monsoon period. Bi-annually breeding occurs in *Bellamya bengalensis*. Before breeding time the oldest age group of sample no become decrease.