

## Morphometry and Nutritional Value of Commonly Available Snails in Tripura Waters

*Brotia costula* (BC), *Bellamya bengalensis* (BB), *Bellamya sp* (B), and *Pila globosa* (PG) are among the edible snails commonly available in the water body of Tripura. In the present study, these four snail varieties were locally collected and analyzed for morphometry and nutritional value using standard methods. The study revealed that, all these snails are nutritionally very rich. The protein ( $15.59 \pm 1.14$  %), fat ( $1.15 \pm 0.17$  %), calcium ( $31.25 \pm 1.26$  mg %), phosphorus ( $12.11 \pm 1.01$  mg %), iron ( $6.86 \pm 3.45$  mg %) and copper ( $0.08 \pm 0.007$  mg %) content was the highest in PG, followed by ash ( $8.11 \pm 2.56$  %) and magnesium ( $2.14 \pm 0.07$  mg %) content in BB. The meat content was the highest in B ( $48.24 \pm 5.45$  %) followed by PG ( $43.43 \pm 10.89$  %), BB ( $41.99 \pm 4.33$  %) and BC ( $36.56 \pm 6.57$  %). There was no detection of mercury and arsenic in any of the samples, thus recommended for alternative source of nutrition for human being.



*Brotia costula*



*Bellamya sp.*



*Bellamya bengalensis*



*Pila globosa*