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## Important role of mandibular organ in molting, growth, and survival of mud crab*Scylla olivacea*

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**Abstract** : Molting is a long process in crustaceans, it is substantially associated to the growth, reproduction, and survival. The physiological of molting is essentially linked to the hormonal control. Henceforth a clear knowledge about molting process and hormonal control are important. Mandibular organ (MO) is one of many organs thats play role in molting and reproduction. The influence of exogenous MO in the progress of molt, growth, and mortality in commercial mud crab was investigated. Injection of MO into intermolt crabs increased molting percentages, molting simultaneity, growth acceleration, and adaptability. The results confirm that the MO is involved in the control of molting in *Scylla olivacea*. Nonetheless, further research is required to study the role of exogenous MO in the adaptability of crabs. **Keywords.**Adaptability; Crab; Growth; Injection; Mandibular Organ; Molting.

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