

DEPARTMENT OF ZOOLOGY

INDUSTRIAL/FIELD TRIP ON 14.11.2022

The Department of Zoology organized Industrial/Field Trip on 14th November 2022; Students from First, Second & Third years of CBZ Section participated in the visit. On the day of our visit, Students along with Staff members of Zoology assembled in front of our College Library at 9.30 AM after giving proper instructions to our Students. With the best wishes from Degree Vice Principal Dr. M. Venkateswara Rao, Sri P.L.Ramesh, Ms. G. Krishnaveni Co-ordinator IQAC and Dr. T. Bhagya Kumar In-charge Principal Intermediate wing started our Industrial/Field trip to Bapatla Hatchery by our College Bus at 10.00AM.



OBJECTIVE

To develop an appreciation for the complexity of the sustainable Aqua culture Management by practicing the skills of observing, recording, and collection of data during Industrial/Field trip to Shrimp Hatchery.

BACKGROUND INFORMATION:

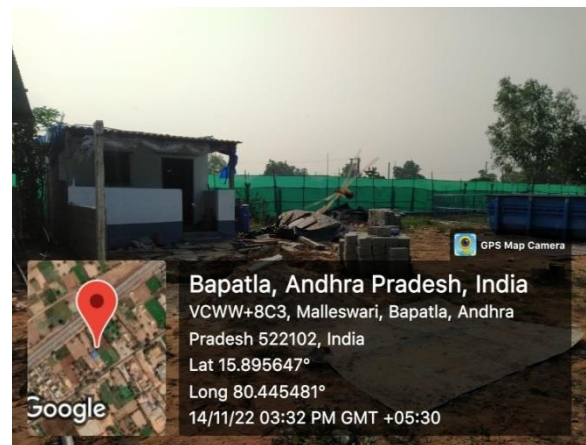
Lalitya Shrimp Hatcheries is located near to sea coast of Bapatla, in 5 Acres of land it started in the year 2014 by Dr. A. Nagesh Babu. Mainly the Shrimp cultivation depends on the Water quality for Shrimp Hatcheries encompasses the sum total of physical, chemical and biological factors of the oceanic water that support healthy larval development. Typical inlet water treatment currently involves mechanical separation of then suspended particles by filtration, chlorination and dechlorination, and storage under hygienic conditions is very important in Shrimp cultivation. The Lalitya Shrimp

Hatcheries is producing different species *Litopenaeus vannamei*, *Penaeus monodon*, *Penaeus indicus*, *Macrobrachium rosenbergii*, *Macrobrachium malcolmsonii* and lucky ornamental fish species. It also explores in experimenting many salt water and rare species.

FIELD OBSERVATIONS:

Study on stages of Shrimp larva:

During the visit Dr. Nagesh Babu explained about the preventive steps to be taken in different stages of Larva produce in Shrimp cultivation, Students observed Shrimp larva and noted the important topics relating Shrimp Larva.



Shrimp Tanks & Pumping of Marine Water:

Different size of Shrimp Tanks were seen during the visit pumping of Marine Water is a big challenge for the farmers in Shrimp farming. Process of preparation of Tanks and filling of Tank with Marine water was practically shown to the students. Readings of water quality were also taken by the Students with the help of the Farm staff.



Preparation of Shrimp Feed:

The major component of Shrimp cultivation depends on 35% protein Shrimp diet are Wheat flour 35%, Soybean Meal 20% and Fish Meal 25% as this ingredients provides the protein, amino acids and energy in the diet. Feed preparation demo was conducted in front of our Students for better understanding of the procedures.



OUTCOME:

The Field trip to Lalitya Shrimp Hatcheries, Bapatla gave a live on site learning experience on various concepts of biological factors involved in Shrimp Cultivation. And Students curiosity helped them to learn about different species like *Litopenaeus vannamei*, *Penaeus monodon*, *Penaeus indicus*, *Macrobrachium rosenbergii*, *Macrobrachium malcolmsonii* and lucky ornamental fish species. Field visit helped the Students to build self-reporting skills and also Field trip created more interest on research in Biological studies.

CONCLUSION:

The procedure of identification in finding available spices in shrimp cultivation was observed and different experimentations helped our Students to learn about the living invertebrates to discover salt water spices, testing water samples, light intensity of pH were learnt. All the experiments were recorded provided a platform to interview the Founder of the Shrimp Hatchery. Finally field trip was concluded with the vote of Thanks by Ms. Deepika Final year CBZ student for providing an exposure to visit shrimp hatchery. A total no. of 69 Students and Faculty Members Ms. G. Krupa Jayasri, HOD Ms. M. Sahithi and Dr. Shakuntala, Dept. of Zoology attended the visit.

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