

TKM COLLEGE OF ARTS AND SCIENCE

Re-accredited by NAAC With A++ Grade



DEPARTMENT OF ZOOLOGY

In Collaboration with

ICAR VIZHINJAM REGIONAL CENTRE OF

CENTRAL MARINE FISHERIES RESEARCH INSTITUTE



MUSSEL HARVEST AND SALE

**ON 15/06/2023 at 10 AM
@ VAYALIKADA, VELLIMON**

Report on the Harvest and Sale of Mussels at Ashtamudi Lake

The Department of Zoology conducted the harvest and sale of mussels at Ashtamudi Lake on 15/06/2023 as part of a student start-up project on mussel farming. The project was implemented by the Department of Zoology in collaboration with Vizhinjam Regional Centre of Central Marine Fisheries Research Institute (CMFRI). The primary objective of the project was to facilitate vocational skill development among students and nurture a habit of earning while learning (the "Earn While You Learn Project).

The student start-up project was coordinated by a self-help group called "ZooAqua TKMCAS," which was formed among SC students of the Department of Zoology. The CMFRI played a crucial role in funding and supporting all project activities through the SCSP Scheme. Dr. MK Anil, principal scientist from the Marine Biology division, provided coordination and guidance throughout the project.

In December 2022, Mrs. Adhila Abdullah, the Director of the Department of Fisheries, Kerala Government, deposited the seeds required for the mussel farming project. These seeds served as the foundation for the subsequent stages of the project.

The project encompassed several activities to ensure successful mussel farming and the subsequent harvest.

The key activities included:

Mussel Cultivation: The project involved the cultivation of mussels using the seed deposits provided by Vizhinjam Regional Centre of CMFRI. The students and experts employed appropriate farming techniques and closely monitored the growth and development of the mussels at periodic intervals.

Maintenance and Monitoring: Regular monitoring of water quality, temperature, and other environmental factors was conducted to create an optimal habitat for the mussels. This included periodic cleaning, feeding, and removing any potential threats or predators.

Knowledge Transfer: The student members were imparted with valuable knowledge and hands-on training regarding mussel farming techniques, sustainable practices, and overall ecosystem management. This facilitated their vocational skill development.

Participants and stakeholders:

The following individuals and groups actively participated in the project:

College Principal: Dr. Chithra Gopinath

CMFRI Scientists: Dr. M. K. Anil, Principal Scientist, VRC-CMFRI

CMFRI Technical Experts: Mr. Raju, Technical Assistant, VRC-CMFRI

Program Coordinator: Dr. Rohini Krishna M V, Assistant Professor, Department of Zoology

Programme convener: Dr. Jasin Rahman, Head of the Department of Zoology.

Assistant coordinator: Dr. Mumthas Y, Assistant Professor, Department of Zoology

Faculty members: Ms. Shalini M

Student Members:

1. Arjun Krishna - (S4, BSc Zoology)
2. Akhil C - (S4, BSc Zoology)
3. Yadhu Krishnan. S - (S2, BSc Zoology)
4. Abhijith. M - (S2, BSc Zoology)
5. Abhin. R - (S2, BSc Zoology)
6. Abhirag. A. R - (S2, BSc Zoology)
7. Vichu Vilochanan - (S2, BSc Zoology)

Other students from S2 and S4 BSc Zoology participated in the project.

Outcomes and Achievements:

The harvest conducted on 15.06.2023 yielded significant results and showcased the success of the project. The key outcomes and achievements include:

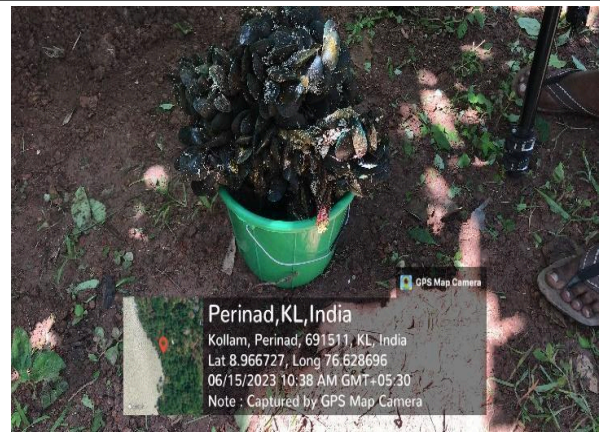
Skill Development: The student members of the project gained valuable practical experience in mussel farming and acquired essential vocational skills in the field of aquaculture. This hands-on training will contribute to their personal and professional growth.

Sustainable Empowerment: Through the SCSP scheme, this project provided opportunities for marginalized students to actively participate in skill development and entrepreneurship.

Nurturing of Earning Habit: Through this ‘Earn While You Learn’ activity a sense of earning while learning was inculcated in students.



Mussel harvest



Harvested mussel



Sorting of harvested mussel



Students taking part in mussel sorting

MUSSEL HARVEST AND SALE





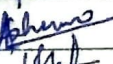





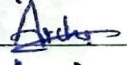
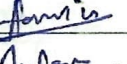


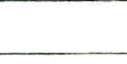
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SLNO	NAME	ADDRESS / DESIGNATION	SIGN
1	Dr. Jasin Rahman	HOD Asst Prof. Dept. of Zoology.	
2	Dr. Robini Krishna. Nav	" "	<u>Robi</u>
3	Dr. Mumthas. Y	" "	<u>Mumthas-Y</u>
4	Dr. Raju	C. M. F. R. I - T. O	<u>Adame</u>
5	Smt. Salini	SSS, VRC. of CMFRI (VIZHINJAM.)	<u>Salini</u>
6	Dr. Shaji	C. M. F. R. I CMFRI skilled supporting staff	<u>Shaji</u>
7	Abin - R.	BSc Zoology S ₂	<u>Abin</u>
8	Vichu Vilechanan.	"	<u>Vichu</u>
9	Abijith. M.	"	<u>Abijith</u>
10	Vedhu Krishnan.	"	<u>Vedhu</u>
11	Saidali - Y.	"	<u>Saidali</u>
12	Farooq Musliyar	Business.	<u>Farooq</u>
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14	Gowri. J	BSc Zoology S ₂	<u>Gowri</u>
15	Abiraj A. R.	"	<u>Abiraj</u>
16	Noora. Niqam	BSc Zoology S ₄	<u>Noora</u>
17	Thasleema. S.	BSc Zoology S ₄	<u>Thasleema</u>
18	Amina. H.	BSc Zoology S ₄	<u>Amina</u>
19	Seena, Janaki. S.B	BSc Zoology - S ₂	<u>Seena</u>
20	Amina. A	BSc Zoology	<u>Amina</u>
21	Anagha.	BSc Zoology S ₄	<u>Anagha</u>
22	Aiswarya.	BSc Zoology S ₄	<u>Aiswarya</u>

MUSSEL HARVEST AND SALE

37

15-06-2023-10am

SL. NO	Name.	ADDRESS / Designation	Sign
23.	Subina.	BSc Zoology SA	
24.	Visnu Priya.	Bsc Zoology SA	
25.	Abhishek. P.	Bsc Zoology SA	
26.	Amritha.	BSc Zoology, SA	
27.	Resmi	" "	
28.	Abhinandini.	" "	
29.	Akhil - C	Bsc Zoology SA	
30.	Arjun Kaisha. m.	Bsc Zoology	
31.	Siyad.	Bsc Zoology SA	
32.	Sheeek.	Bsc Zoology SA	
33.	Archa.	BSC Zoology, SA	
34.	Amina. J	Bsc Zoology SA	
35.	Irfana. Imam	Bsc Zoology SA	
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37.	Babu.	Vellurman	

Sum = 17 g's and 12 g's