

ST. XAVIER'S COLLEGE VAIKOM



SUJALAM VEMBANAD

Mangroves Planting Drives





Mangroves saplings Planted on the Banks of Vembanad Lake



Mangrove Saplings Planted on the Banks of Vembanad Lake



Mangrove Saplings Planted on the Banks of Vembanad Lake



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Mangrove Saplings Planted on the Banks of Vembanad Lake



Mangrove Saplings at Campus for Planting Drive



Planting Drive with women self-help group



Planting Drive with Natives





NCC Cadet with Mangrove Saplings



MANGROVE PLANTING DRIVE

ST.XAVIER'S COLLEGE VAIKOM

IQAC GREEN VOLUNTEERS NCC

*Celebrating World Mangrove Day
2022*

@
THALAYAZHM
VECHORE
TVPURAM
MARAVANTHURUTHU





Mangrove Planting Drive



Saplings planting on the bank of embanad lake



Saplings planting on the bank of Vembanad lake



Green Volunteers with Mangrove Saplings



Mangrove saplings planted on the bank of water channel at campus



Mangrove Planting on the bank of Vembanad lake



Mangroves Planting Drive



Representatives of Clean Vemband Organization Planting Mangrove Saplings



Volunteers with mangrove saplings



Mangrove Planting Drive



Mangrove Planting Drive



Mangrove Planting Drive













































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Fingerlings release

































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SUJALAM VEMBANAD

ODONATE SURVEY (2018-2023)

On the banks of Vemband Lake and Meenachil River



On the banks of the Meenachil river



On the banks of the Meenachil river



On the banks of the Meenachil river



On the banks of Meenachil river



Student visit at TIES



Students attending orientation Class on Odonate Survey



On the banks of the Meenachil river



On the banks of the Meenachil river



At campus premises



On the banks of Vemband lake



At campus premises



Participation certificate of students



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Approved Research Centre, Mahatma Gandhi University, Kottayam
Approved Laboratory of Pollution Control Board

T I E S - t i e s M i n d a n d N a t u r e

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Dr. Sarita Ramachandran and ten students from Department of Zoology, St. Xavier's College Vaikom have participated in the Odonate survey conducted by TIES during the academic year 2022- 2023.

Velloor
11.12.2022




Dr Purnan Kurian
Secretary
Tropical Institute of Ecological Sciences
Kottayam

Participation Certificate of Faculty

ST.XAVIER'S COLLEGE VAIKOM



CLEAN DRIVE INITIATIVES

REVAMP VAIKOM







































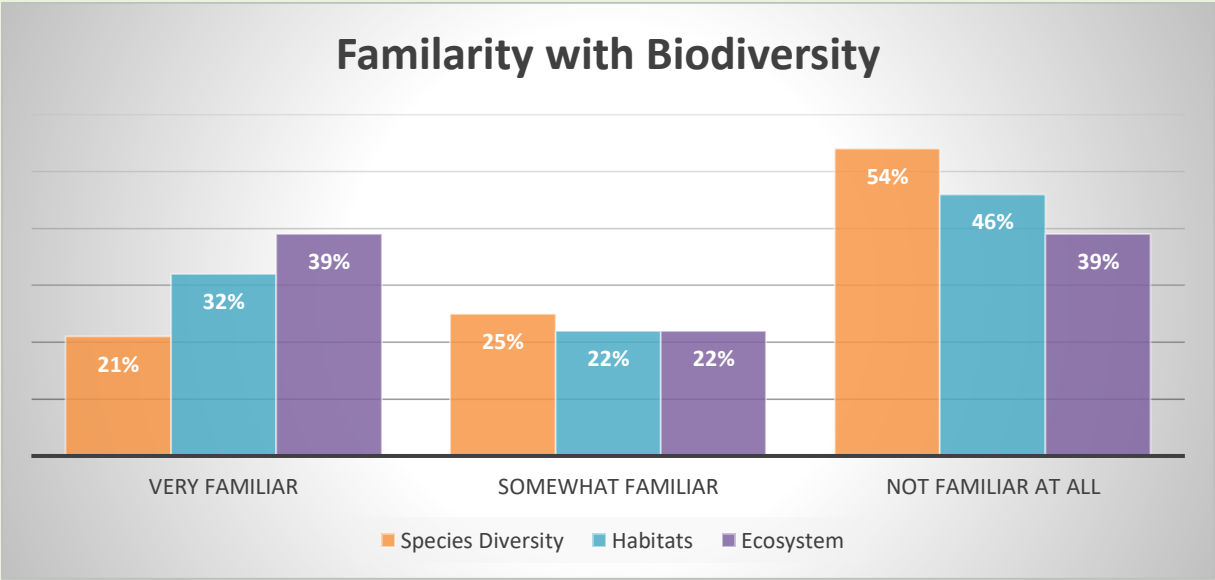




Sujalam Vembanad

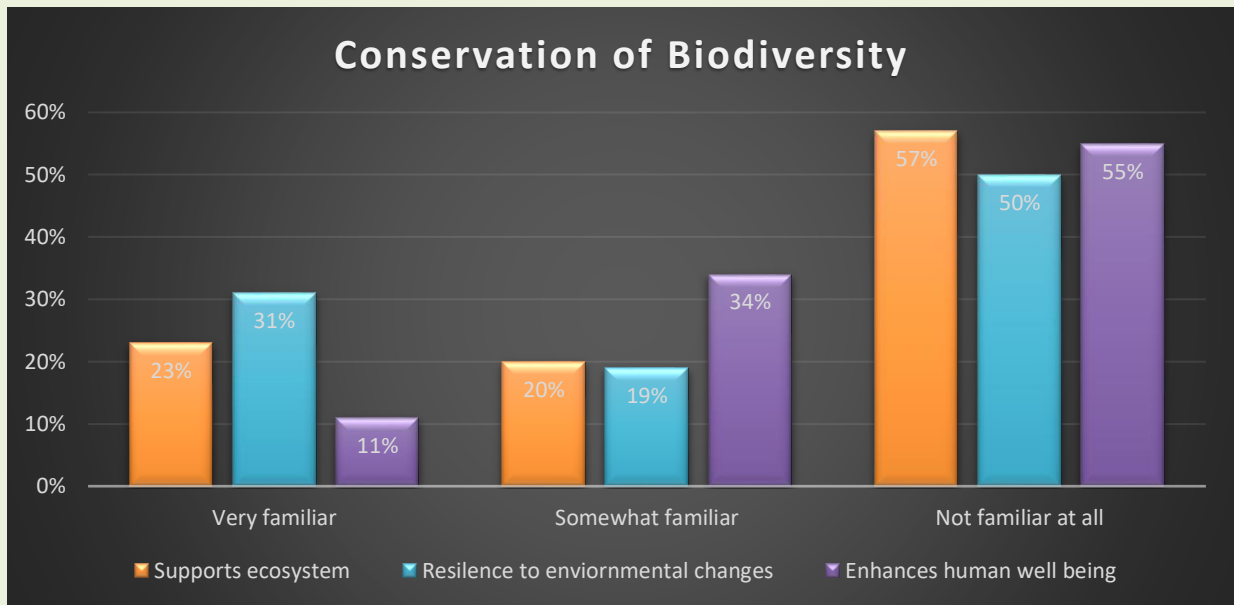
Awareness Survey

Familiarity with the concept of Biodiversity

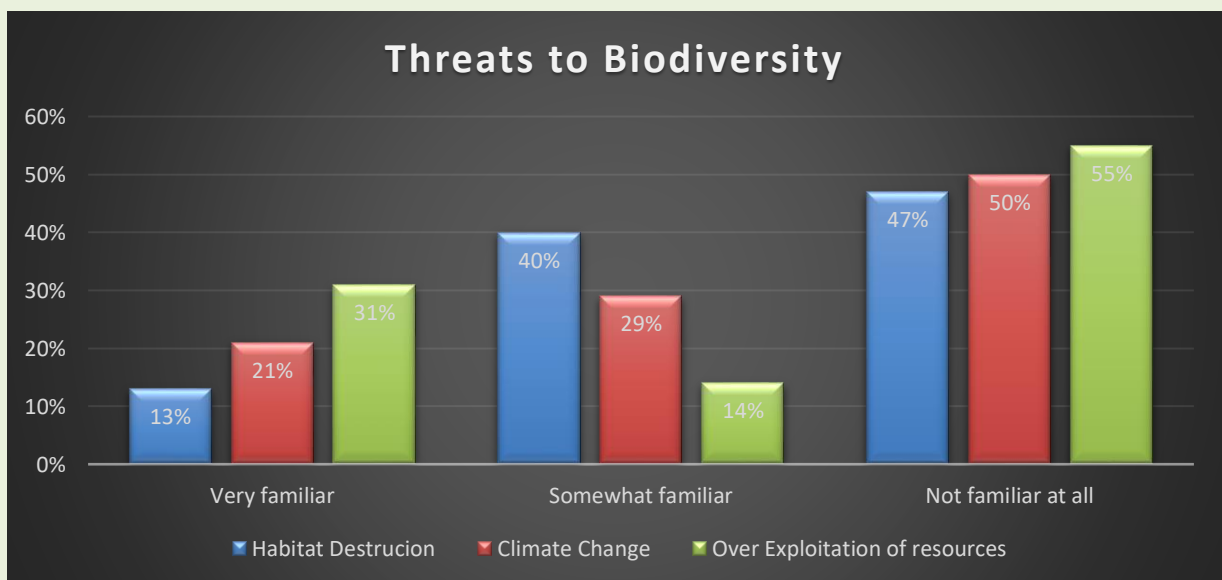


54% of the residents are not very familiar with species diversity and 46% of the residents are not familiar with the term habitats. However, 39% of the residents are familiar with the term ecosystem.

Importance of Conservation of Biodiversity

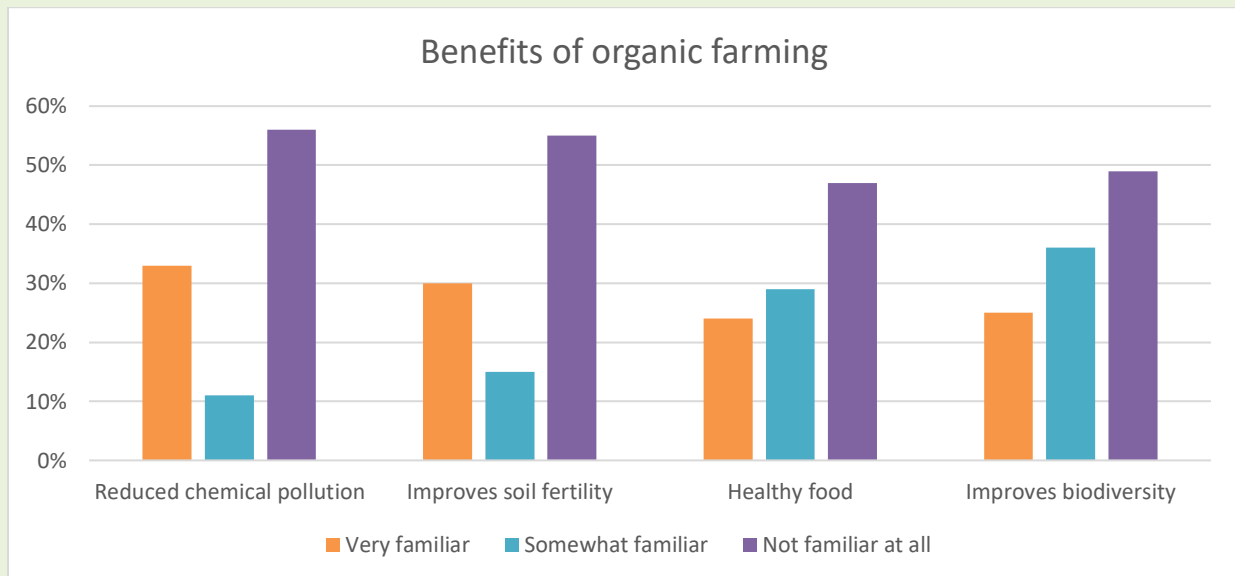


Threats to Biodiversity



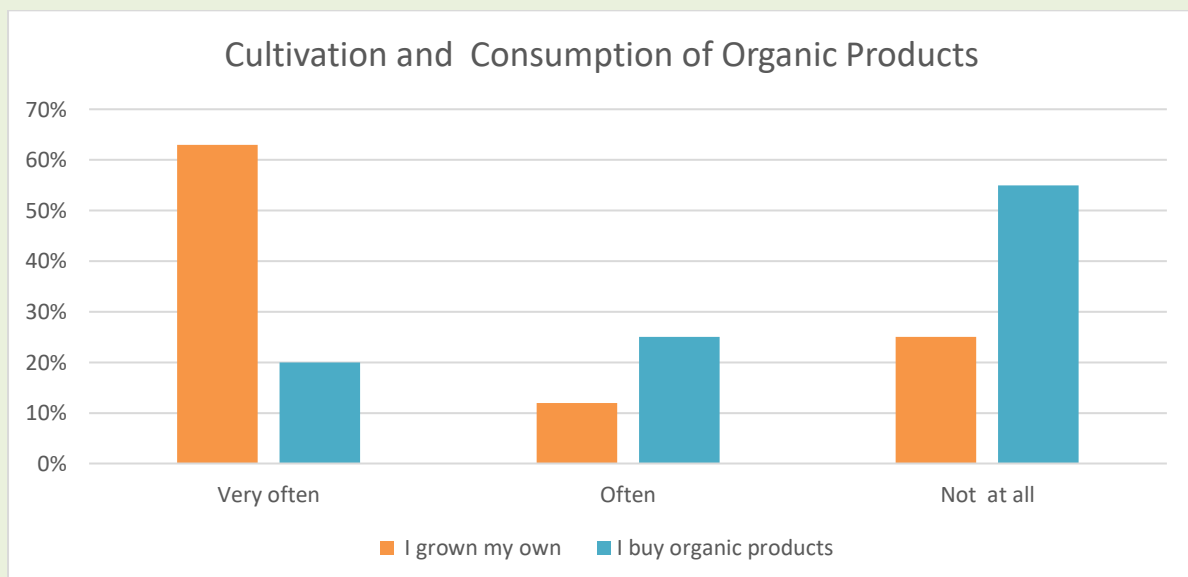
It is evident that 13% of residents are familiar with habitat destruction, 21% are very familiar with climate change, and 31% with over-exploitation of resources. However, the majority of residents are not at all familiar with various threats happening to biodiversity.

Benefits of Organic Farming



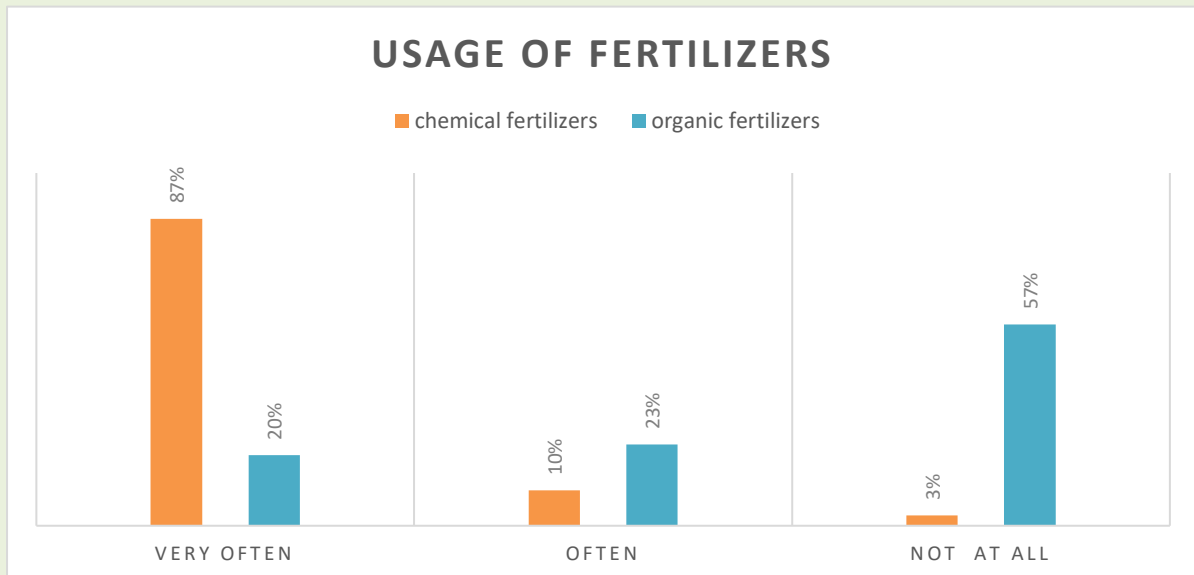
It is evident that the respondents are not very familiar with the benefits of organic farming.

Cultivation and Consumption Organic Products



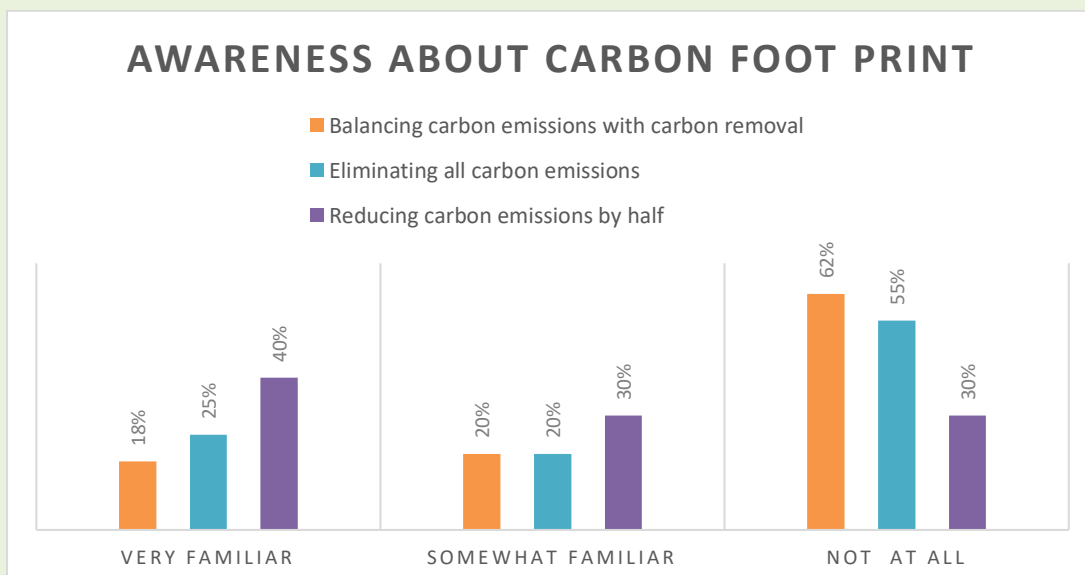
Majority of the respondents grow organic crops. However, more than 50% of the respondents have no interest to buy organic products.

Usage of Fertilizers in Farming



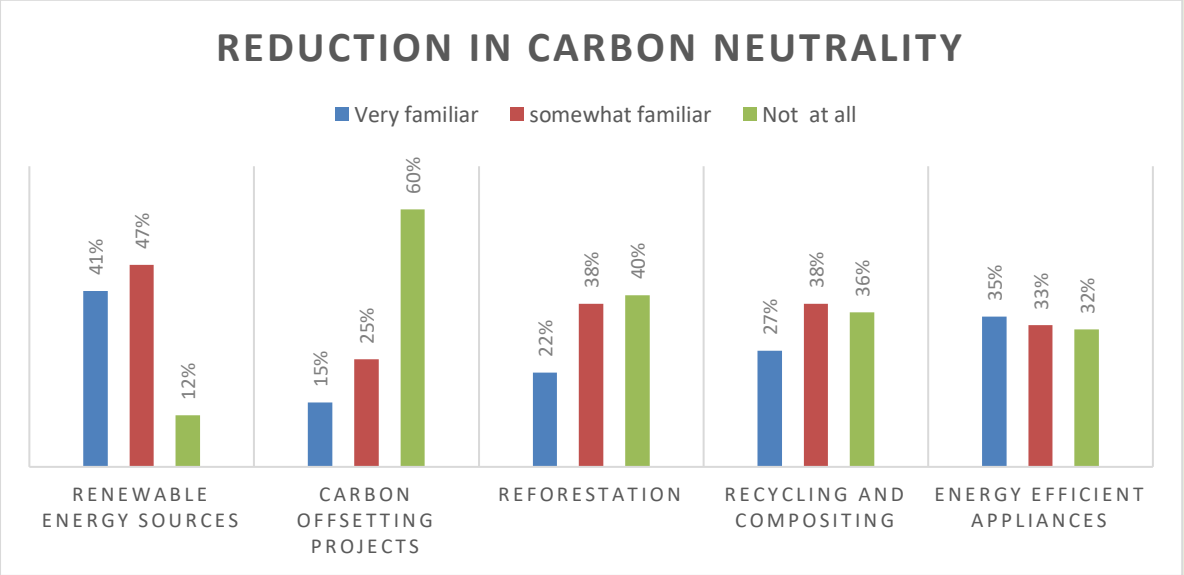
87% of the respondents opined that they use chemical fertilizers in farming. Only 20% of respondents use organic fertilizers in farming.

Awareness about Carbon Footprint



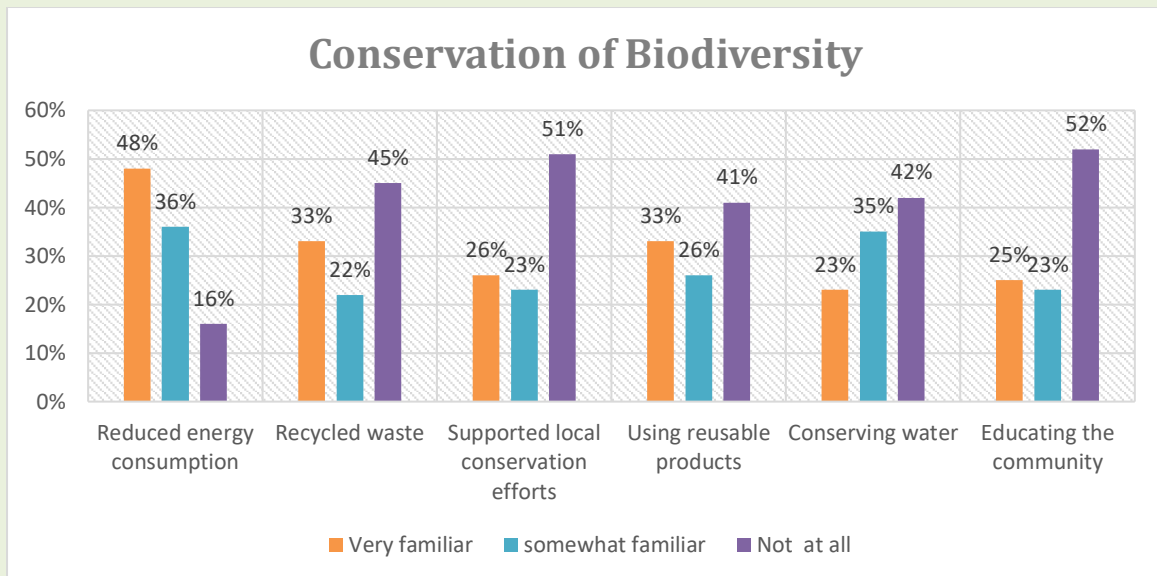
The majority of the respondents are not aware of the measures of the carbon footprint. 62% of respondents are not aware of carbon emissions.

Reduction in Carbon Neutrality



Respondents are not all aware about of the concept of reduction in carbon neutrality.

Biodiversity conservation of Sustainable living



48% of the respondents are aware of the reduction in energy consumption. 45% of respondents are not at all aware of recycled waste. 41% of the local community are not aware of reusing products.

Report on Local Dwellers' Awareness about Biodiversity Preservation

A recent survey (April 2023) reveals that a significant portion of the localites lack familiarity with key environmental concepts and practices. Specifically, 54% of the residents are not very familiar with species diversity, and 46% are not familiar with the term habitats. In contrast, 39% of the residents are familiar with the term ecosystem. It is evident from the data that only 13% of the residents are familiar with habitat destruction, while 21% are very familiar with climate change, and 31% are aware of over-exploitation of resources. The survey indicates that the majority of residents are not familiar with the various threats to biodiversity. Furthermore, the survey results show a general lack of awareness regarding the benefits of organic farming.

While the majority of respondents grow organic crops, more than 50% have no interest in purchasing organic products. A staggering 87% of respondents admitted to using chemical fertilizers in farming, and only 20% reported using organic fertilizers. This indicates a considerable reliance on chemical inputs, which could have detrimental effects on the environment. The survey also highlighted a significant gap in awareness about carbon neutrality and sustainable practices. A mere 48% of the respondents are aware of the reduction in energy consumption, and only 45% are aware of recycling waste. Additionally, 41% of the local community are not aware of the concept of reusing products.