



ST. XAVIER'S COLLEGE, MAPUSAGOA

College with Potential for Excellence
 Re accredited by NAAC with A Grade
 Awarded DBT STAR College Scheme

Nature of Event (Workshop, Guest Lecture, Addon Course, Seminar, etc.)	Student Activity
Name of Department	Microbiology
Faculty In-charge	Ms. Linette de Souza and Ms. Katelyn Gonsalves
Stratum of Event (College, State, Regional, National)	College
Title of Event	Microbiological kitchen waste composting
Date of Event	15 th September 2023
Venue	Micro Lab/ College Campus- St. Xavier's College, Mapusa
Resource Person details	NA
Objective/ Scope of Event	To conscientize the students on the need to reduce, reuse and recycle kitchen waste To train students to set up home composting units
Particulars of Event	Students collected fruit and vegetable waste from their homes, and this was then mixed with bokashi and put into 2 composters in the Microbiology laboratory on 15th September 2023. After anaerobic fermentation, the pickled waste was mixed with garden soil on 14th October 2023. This was further allowed to cure for approximately 3 months in a plastic drum having tiny holes to maintain aerobic conditions. The process was closely monitored and the students learned the ropes of composting. The final product obtained was a uniform, dark, amorphous humus-like matter. This was then used as a soil conditioner for the college garden.
Outcome of Event	Students segregated compostable kitchen waste and thus reduced the volume of wet waste in their homes that would otherwise be a burden on municipal garbage disposal. This minimized environmental hazards and contributed to improved soil fertility.

<p>Total No. of Participants</p>	<p>94 students</p>
<p>Feedback</p>	<p>Good. Helpful to manage wet waste in the home. The prepared compost enhanced flowering and fruiting of plants in the garden.</p>
<p>Photograph</p>	 <p>The top photograph shows two female students in white school uniforms working in a kitchen. They are focused on a large white bucket with a green handle. In the background, there is a teal refrigerator and a white washing machine. A weather overlay at the bottom of this photo shows a map of Mapusa, Goa, India, with a temperature of 26°C (79°F) on 2023-09-15 (Fri) at 09:22(am).</p> <p>The bottom photograph shows a man with a beard, wearing a white t-shirt and blue jeans, in a garden. He is leaning over a blue bucket filled with dark compost, using a small tool to handle the material. The garden is lush with various green plants. A weather overlay at the bottom of this photo shows a map of Mapusa, Goa, India, with coordinates (Lat 15.597878°, Long 73.807699°) and a timestamp of 14/10/23 12:36 PM GMT +05:30.</p>

