



ST. XAVIER'S COLLEGE, MAPUSA

GOA

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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 Maria Katelyn Gonsalves
Stratum of Event (College, State, Regional, National)	College
Title of Event	Microbiological kitchen waste composting
Date of Event	12 th November 2021 and 13 th November 2021
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	The composting project was conducted with the students of Second Year (Divisions I and II) and Third Year Microbiology. They collected fruit and vegetable waste from their homes, and this was then mixed with bokashi and put into 2 composters in the Microbiology laboratory. After 2 weeks of anaerobic fermentation, the pickled waste was mixed with garden soil and further allowed to cure for 60 days 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 were able to compost kitchen waste at their respective homes and in their communities using various techniques, viz. use of EM, cow dung, vermicomposting and green and brown layering in different regions of Goa such as Vasco, Moira, Casarvarnem, Dona Paula, Olaulim, Porvorim, Mandrem, Duler, etc.
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Total No. of Participants

105 students

Feedback

Good. Helpful to manage wet waste in the home. The prepared compost enhanced flowering and fruiting of plants in the garden.

Photograph



