

Educational Study Tour Report: Practical Exposure to Food Testing Techniques for Botany Students at JAU, Junagadh

Date: 30/07/2018

Venue: Food Testing Laboratory, Junagadh Agriculture University (JAU), Junagadh

The Department of Botany at Government Science College, Vankal, arranged a highly educational study tour to the Food Testing Laboratory at the Department of Biotechnology, Junagadh Agriculture University (JAU), Junagadh on 30th July 2018. Nearly 45 students participated in the tour. The visit, organized by **Dr. Meghna R. Adhvaryu**, Head of the Botany Department, aimed to provide students with practical exposure to advanced food testing techniques and deepen their understanding of biotechnological applications in food safety and quality control. Upon arrival, the students received a warm welcome and an introductory session detailing the various activities and research projects at the Department of Biotechnology. They were then guided through a comprehensive tour of the laboratory, observing key sections such as sample preparation, analytical testing, and quality control units.

The laboratory staff conducted live demonstrations of modern food testing techniques, including chromatography, spectroscopy, and microbiological analysis, emphasizing their critical role in detecting contaminants and ensuring food safety. An interactive session followed, where students engaged with the staff, discussing the role of biotechnology in food science, recent advancements in food testing methods, and potential career opportunities in the field. Selected students had the opportunity to participate in hands-on experiments, gaining practical experience under the guidance of experienced technicians.

The visit concluded with a feedback session where students expressed their gratitude for the valuable insights and knowledge gained during the tour. This enriching experience successfully bridged the gap between theoretical knowledge and practical application, significantly contributing to the academic and professional development of the students. Special thanks to Dr. Meghna R. Adhvaryu for organizing this insightful and well-structured tour.



Photo of the Tour



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