



ST. XAVIER'S COLLEGE, MAPUSA GOA

Report of Activity conducted in the Academic Year 2024-25

Name of Activity	Journal Club
Date/Duration	29 th March, 2025
Venue	St. Xavier's College Seminar Hall
Name of organizing Department/Cell	Department of Microbiology in association with the Microbiologists' Society, India (MBSI).
In collaboration with	
Name/s of Faculty Co-ordinator	Dr. Trelita de Sousa
Stratum of Event	College
Name & details of Resource Person/s if any	<p>Panel Experts</p> <ol style="list-style-type: none"> 1) Dr. Ajeet Mohanty, Officer-In-Charge, National Institute of Malaria Research (NIMR), Field Unit, Goa 2) Dr. Alisha Malik Satwani, Assistant Professor and Coordinator, Chowgule College 3) Mr. Siddhesh Menon, Assistant Professor, St. Xavier's College 4) Dr. Nadine de Souza, Assistant Professor, St. Xavier's College
Report	<p>Objectives</p> <p>The Journal Club is designed to keep students abreast of new knowledge, promote their awareness of current research findings, and teach them to critically analyse scientific evidence. The main purpose of the Journal Club is to inculcate the habit of scientific reading and discussion amongst students.</p> <p>Brief Description</p> <p>Fourteen T.Y.B.Sc. students distributed in 4 teams presented and scientifically discussed recent research papers and review articles published in reputed high-impact factor journals in front of a panel of experts constituting Dr. Ajeet Mohanty (NIMR), Dr. Alisha Malik Satwani (Chowgule College), Mr. Siddhesh Menon (St. Xavier's College, Goa), and Dr. Nadine de Souza (St. Xavier's College, Goa).</p> <p>Team 1 comprising Ms. Shanaika Pires, Ms. Shreya Bhat, and Ms. Shenely Fernandes presented a paper titled, "Nanomaterial-enabled anti-biofilm strategies: new opportunities for treatment of bacterial infections" published in January 2025 in the journal "Nanoscale (Royal Society of Chemistry)" with IF: 5.76.</p> <p>Team 2 comprising Ms. Nupur Bandekar, Ms. Siyanda Rodrigues, and Ms. Wendy Cruz presented a paper titled, "Microplastics as vectors for antibiotic resistance genes and their implications for gut health"</p>

	<p>published in January 2025 in the journal “Discover Medicine” with IF: 1.4</p> <p>Team 3 comprising Ms. Anezka Fonseca, Ms. Jennessa Fernandes, Ms. Alisha Savlekar, and Ms. Shruti Madgaonkar presented a paper titled, “Introducing novel endosymbiosis by implanting bacteria in fungi” published in October 2025 in the journal “Nature” with IF: 50.5.</p> <p>Team 4 comprising Ms. Sonia Shetke, Ms. Anisha Parab, Ms. Rini Fernandes, and Ms. Prashila Mandrekar presented a paper titled, “Sustained in situ protein production and release in the mammalian gut by an engineered bacteriophage” published in February 2025 in the journal “Nature Biotechnology” with IF: 33.1.</p> <p>The audience comprised both faculty members and students.</p> <p>Outcomes The Journal Club provided a platform for the students to demonstrate and refine their presentation skills. It helped promote scientific reading and discussion amongst the students and faculty members.</p> <p>Number of beneficiaries: 126</p>
Brochure/Poster	https://xavierscollegegoa.ac.in/wp-content/uploads/2025/04/Flyer_Journal-Club_2025.pdf
Photographs	https://xavierscollegegoa.ac.in/wp-content/uploads/2025/04/JCPic1.pdf
List of participants with signatures	https://xavierscollegegoa.ac.in/wp-content/uploads/2025/04/JC_attendance.pdf
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