



# The Oxford College of Science

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## DEPARTMENT OF ZOOLOGY AND GENETICS



**Event: WORKSHOP ON PAGE- A TOOL OF PROTEOMICS**

**Date & Time: 05.08.2024-07.08.2024**

**Venue: Room No. 526 –PG Lab**

**Resource Person: Raji Sukumar, Associate Professor, Department of Zoology and Genetics**

Workshop on PAGE- A TOOL OF PROTEOMICS was conducted for the students of II Sem M.Sc. Applied Genetics from 05.08.2024 to 07.08.2024. SDS-PAGE is an analytical technique employed to separate proteins based on their molecular weight. It combines the denaturing properties of sodium dodecyl sulfate (SDS) with the sieving effect of polyacrylamide gel electrophoresis (PAGE). The primary readout in Proteomics is based on analysis of proteins separated by polyacrylamide gel electrophoresis (PAGE). This workshop allows the students to analyse complex protein mixtures with high resolution and accuracy. The method's versatility and robustness make it essential for tasks such as protein purification, molecular weight estimation, and the evaluation of protein purity.