



St. Xavier's College (Autonomous)

(Recognized as "College with Potential for Excellence" by UGC & Accredited at A⁺⁺ grade with CGPA of 3.66/4 in IV Cycle by NAAC)

Palayamkottai – 627 002

ANNUAL REPORT 2023-2024

CROP PROTECTION RESEARCH CENTRE (CPRC)

1. During the academic year 2023-24, the CPRC has been mainly concentrating on utilization of locally available plants for Insect Pest Management. Two common plants (Neem and Chilly) have been considered for the investigation.
2. Mr. Petchidurai defended his Ph.D. thesis on 22.01.2024. Mr. K. Madasamy and Ms. G. Ponmalar are actively engaged in research.
3. The first patent (Indian Patent No. 422778), Seaweed Botanical Formulation for Crop Pest and Phytopathogen Management, has not been popularised because of the non-submission of working statements by the owner. The second patent on "Pesticidal Formulations and Processed of Preparation Thereof" (India Patent Application No. 1573/CHE/2015) was not processed of due to the non-availability of applicant details and approval.
4. Mr. K. Madasamy, Ms. G. Ponmalar, and T. Sri Ram Muthu participated in a Workshop on "Research Publication in Scopus-Indexed Journals" organised by St. Xavier's College (Autonomous), Palayamkottai, on 25.08.2023. They also attended an Orientation Programme on the creation of "VIDWAN, ORCID, Research Gate, and Scopus" IDs and the authentication of UGC CARE listed journals. T. Sri Ram Muthu completed the second doctoral committee meeting on 11.07.2023.
5. Mrs. S. Santhi, a part-time research scholar, has been working on Entomopathogenic Nematodes that were collected from Kanyakumari district Banana and Mango grooves. They were mass produced and tried to be used for pest management. One post-graduate student and three undergraduate students have been working on their dissertations on Botanicals for Agricultural Pests and Post-Harvest Pest Management.