



ST. XAVIER'S COLLEGE (Autonomous), PALAYAMKOTTAI - 627 002.

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

Annual Report 2024 - 2025

VECTOR BIOLOGY AND PHARMACOLOGY (2017)

The **Centre for Vector Biology and Pharmacology** has been active since **2017**, focusing on research in **sericulture, pharmacology, biodiversity of birds and insects, mosquito management, and related fields**. In the **2024–2025 academic year**, **two Ph.D. degrees** were awarded, and **two Ph.D. thesis** were submitted. Currently, **six Ph.D. students** are conducting research in **aquatic biodiversity, mosquito control, and the pharmaceutical effects of plant extracts**, with **two more students (Mr. R. Prasanth & Ms. A. Ketchiel Prarthana)** registered **this year**. Our research efforts resulted in **ten research papers** published in **peer-reviewed journals**, along with **two book chapters**. Scholars actively participated in **over six seminars** and presented **seven papers** at **national and international conferences**. Additionally, research academics attended **seven workshops** hosted by various organizations and completed **one course and a faculty development program (FDP)**. An ongoing **one-year minor research project**, funded by the **St. Xavier's College Minor Research Grant (SXCRCG)** to **Dr. S. Mabel Parimala**, focuses on **"Preliminary phytochemical screening, in silico activity prediction, in vitro antioxidant, anti-inflammatory, anti-diabetic, antimicrobial, and anticancer studies on selected medicinal plants."**