



ST. XAVIER'S COLLEGE (AUTONOMOUS)
PALAYAMKOTTAI - 627 002
(Recognized as "College with Potential for Excellence" by UGC &
Accredited by NAAC at A++ Grade with a CGPA of 3.66 out of 4)



ANNUAL REPORT 2022-2023
Entomology Research Unit (ERU)

In charge: Dr. P. Selvaraj & Dr. T Pushpanathan

Entomology Research Unit (ERU), Department of Zoology, St. Xavier's College (Autonomous), Palayamkottai under the guidance of Dr. P. Selvaraj and Dr. T. Pushpanathan continues research and extension activities of the research centre. At present, 5 research scholars are doing their Ph.D. in ERU.

Dr. P. Selvaraj and Dr. T. Pushpanathan have participated in a two day national conference on 'Recent Trends in Bioprospecting – Derived Therapeutic Products' held on the 12th & 13th January, 2023 at St. Xavier's College (Autonomous), Palayamkottai. The Entomology Research Unit displayed its salient insect collections during the Centenary year exhibition held from 30.01.2023 to 03.02.2023.

Under the co-guidance of Dr. P Selvaraj, the submitted thesis of Mr. M. Madasamy is recommended for the public viva-voce by the Manonmaniam Sundaranar University. Ms. J. Princy Rathnamala Jayaseeli pursues her doctoral research on Control of *Spodoptera litura* using Phytoecdysones from ferns with TNSCST Student Project grant; Mr. J. Sherlin John pursues his research on molecular and classical taxonomy of Reduviidae and Sr. M. Velankanny pursues her research on exploration of new Entomopathogenic fungi for cotton pest management. Ms. Selvarani and Ms. G. Sumathi (CSIR-NET JRF) are doing their research on Insect vector control using phytochemicals. The scholars of ERU have participated in 3 national and international conferences, presented 6 papers and published 6 research articles in SCOPUS indexed journals. A total of 10 nucleotides are published in the NCBI. In addition to that UG & PG students are doing their projects in comparative mitochondrial genomics and phytochemical insecticide toxicity.