



BON SECOURS COLLEGE FOR WOMEN

**Nationally Accredited with 'A' Grade by NAAC
(Recognized by UGC under sections 2(f) & 12(B)
Affiliated to Bharathidasan University, Tiruchirappalli)
Thanjavur – 613 006, Tamil Nadu, India**



PG AND RESEARCH DEPARTMENT OF MATHEMATICS

RESEARCH WORK

Several faculty in the department have a strong interest in problems originating in the life sciences, especially from ecology and neuroscience. The group has significant collaborative relationships with colleagues in the life sciences across campus and at other institutions. Group members have mathematical backgrounds in several areas of pure and applied mathematics, including dynamical systems, partial differential equations, algebraic and differential geometry, topology, control theory, and game theory. The Applied Mathematics and Differential Equations group within the Department of Mathematics have a great diversity of research interests, but a tying theme in each respective research program is its connection and relevance to problems or phenomena which occur in the engineering and physical sciences.