

**DEPARTMENT OF BIOINFORMATICS  
NIRMALA COLLEGE FOR WOMEN  
COIMBATORE  
DEPARTMENT ACTIVITIES 2016-17**

**1. DEPARTMENT ACTIVITIES**

<b>S. No</b>	<b>Event</b>	<b>Date</b>	<b>Sponsored by</b>	<b>Amount sanctioned (Rs)</b>
1	National level Conference on “Frontier Contemporary Horizons in Bioinformatics and Computational Biology”	21.01.16 and 22.01.16	DBT, New Delhi	1,00,000/-

**2. PAPERS PUBLISHED**

- Computational Techniques for the Functional Annotation of Hypothetical ORFS in Human Chromosome 3, S. Sivashankari and P. Shanmughavel, IJSRSET, Vol 2(2), 337-343, 2016
- Study of Cellulase activity in *Eisenia foetida* used in the degradation of paper waste, Amita Paul C, Sivashankari S and Pawlin Vasanthi Joseph, IJSAR, Vol 4(5), 59-65, 2017
- Green Synthesis and *in silico* characterization of 4-Hydroxy-3-methoxy benzaldehyde Schiff bases for Insulysin inhibition – a potential lead for type 2 Diabetes (Communicated)
- PJ Buvaneshwari, S Antonit Jeniffer, C Sharmila, D Ramya, C Dhamayanthi and S Sivashankari Preliminary Phytochemical screening and GC-MS analysis of *Solanum incanum* (L.) fruits, EPRA INTERNATIONAL JOURNAL OF RESEARCH AND DEVELOPMENT 2 (9), 10-21
- Muthupriya P, Arockiyajainmary M, Buvaneshwari P J and Sivashankari S, *In silico* analysis of single nucleotide polymorphism (SNP) and structural analysis of proteins involved in vitiligo, Wide Spectrum Journal (Accepted)
- Sivashankari Selvarajan and Piramanayagam Shanmughavel, Functional Annotation of hypothetical Open Reading Frames in Human Chromosome 4, Nirmala Annual Research Congress, December, 2017

### 3. PAPERS PRESENTED

- Santhiya and S. Sivashankari, “Comparative genomics approaches towards drug target identification for Bacterial Meningitidis”, in the proceedings of the national level conference on “Biocheminformatics” at Bharathiar University, Coimbatore
- S. Antonit Jenifer, D. Ramya, P.J. Buvaneswari and S. Sivashankari, “*In silico* analysis of single nucleotide polymorphism (SNP) in human NPTN gene”, in the proceedings of the national level conference on “Biocheminformatics” at Bharathiar University, Coimbatore
- Sharmila, C. Dhamayanthi, P.J. Buvaneswari and S. Sivashankari, “Phylogenetics analysis of 4-Hydroxyacetophenone monooxygenase from *Pseudomonas flourescens*”, in the proceedings of the national level conference on “Biocheminformatics” at Bharathiar University, Coimbatore