

## **Report for the national workshop “ Application of Molecular techniques in Science and Research in pharmaceutical industries ”**

**Date of the workshop: 12<sup>th</sup>, 13<sup>th</sup> and 14<sup>th</sup> February 2015.**

**Venue: JSS college of Pharmacy, Ooty**

ICMR and JSS University and Indian Pharmaceutical Association, Nilgiri branch jointly conducted a national workshop on the topic “ **Application of Molecular techniques in Science and Research in Pharmaceutical Industries**” on February 12<sup>th</sup>, 13<sup>th</sup> and 14<sup>th</sup>, 2015. This workshop was conducted by the department of Pharmaceutics, and **Dr.K.Gowthamarajan was the convener** and **Dr.A.R.Srividya** was the organizing secretary. On 12<sup>th</sup>, a lecturer was given by **Dr. P.Chellpandi**, Assistant professor in the department of bioinformatics, Bharathidasan University on the topic “**Application of bioinformatics in research and science in pharmaceutical industries**”. On 13<sup>th</sup> a lecturer was delivered by **Dr. Robinson David Jebakumar Solomon**, Professor and Head, department of Molecular Microbiology, Madurai Kamaraj University, Madurai on the topic “ **Genomic approaches of drug discovery and their applications in tapping marine therapeutic molecules**”. On 13<sup>th</sup> February 2015, a lecture was given by **Dr A.R.Srividya,Assistant professor in the department of pharmaceutical biotechnology, JSS college of Pharmacy, Ooty** on the topic” “ **Genotoxicity, mutagenicity and antimutagenicity of drugs and food in day to day life**” “ Hands on training was given by **Dr.A.R.Srividya**, Assistant professor in the department of Pharmaceutical biotechnology, JSS college of Pharmacy, Ooty. 76 budding scientist enrolled their names for attending this workshop. They were divided into 3 batches for the hands on training for various molecular techniques like usage of various bioinformatics software BLAST, PROT, SOPMA, SWISS PORT, CLUSTA X, **phylogenic tree constructions, molecular targeting of drugs by dry lab techniques, isolation of DNA from the microbial source, characterization of DNA by running agarose gel electrophoresis and amplification of DNA by using PCR technique** on 12<sup>th</sup>, 13<sup>th</sup> and 14<sup>th</sup> February 2015. After successful completion of workshop, certificates were issued to all the budding scientist.