

Student Projects- Department of Biotechnology and Bioinformatics, NIIT University, Neemrana

Project Title	Faculty Name
Development of a regeneration protocol for medicinal native tree of Aravali, <i>Anogeissus</i> spp.	Dr. Sanjeev Kumar
Comparative Transcriptomics Analysis of Cancer Stem Cells and Differentiated Tumor Cells	Dr. Utkarsh Raj & Ms. Shivani Varshney
Integrative Bioinformatics for Identifying Key Genes and Networks in NSCLC: Insights for Targeted Therapy	Dr. Utkarsh Raj
Computational Discovery of Targeted MLK4 Inhibitors for Advancing Colorectal Cancer Treatment	Dr. Utkarsh Raj
Identification of potential biomarkers in Lung cancer using integrated bioinformatics and ML approach	Dr. Utkarsh Raj
Strategic Framework for Optimizing In Vitro Regeneration Media in <i>Anogeissus latifolia</i>	Dr. Sanjeev Kumar
Optimization of Explant Source and Orientation for Efficient In Vitro Regeneration of <i>Anogeissus latifolia</i>	Dr. Sanjeev Kumar
Production of Bioethanol from lead litter biomass	Dr Vikash Kumar
Nanostructured Photocatalysts for the degradation of emerging pollutants	Dr. Vikash Kumar
Computational Study of lncRNAs in Triple Negative Breast Cancer Growth	Ms. Shivani Varshney
Fabrication of mucoadhesive delivery system for oromucosal drug delivery	Dr. Ashwini Kumar

Utilization of weed biomass and local agricultural waste for biomethane production using mono and co-digestion	Dr. Ashwini Kumar
Identification of key genes involved in periodontal macrophages and fibroblast using Microarray based data and network analysis	Dr. Utkarsh Raj
Machine Learning based classification of Breast Cancer Data	Dr. Utkarsh Raj
Characterization of novel bacteria isolated from Cow dung and its effect on cancer cells	Dr. Gaurav Gupta
Role of Probiotics in regulation of Host Immunity	Dr. Gaurav Gupta