







DEPARTMENT OF BIOTECHNOLOGY GUEST LECTURES REPORT

ON

"NANOMATERIALS AND NATURAL PRODUCTS" 30.04.2021

Topic-1: NATURALLY EXTRACTED COMPOUNDS USED IN PHARMA INDUSTRIES

Topic-2: BIOSYNTHESIS OF NANOMATERIALS: GROWTH AND PROPERTIES

Department of Biotechnology has organized guest lecturer titled "Nano-materials and Natural products" on 30.04.2021 for the students of Biotechnology. Dr. R. Devika, Professor and Head, Biotechnology welcomed the chief guests and the gathering. Dr. B.Prabasheela, Associate Professor, Department of Biotechnology gave introduction of the Guest Dr. G.Madhumitha, Assistant Professor (Senior), Department of Chemistry, School of Advanced Sciences, Vellore Institute of Technology, Vellore. The session was mainly focused on the topic "Naturally extracted compounds used in pharma Industries" particularly the steps involved in drug discovery from natural products, Extraction of non-polar solvent and preparation of extracts, analysis, testing and the chromatographic analysis by using fractionation and physiochemical analysis was briefed and interacted with students by Dr. G. Madhumitha.

The second session guest speaker Dr. S. MohanaRoopan, Assistant Professor (Senior), Department of Chemistry, School of Advanced Sciences, Vellore Institute of Technology, Vellore was introduced by Dr. A. Nirmala, Assistant Professor (G-II), Department of Biotechnology and the session was focused on "Biosynthesis of nano-materials: Growth and Properties". Dr. MohanaRoopan gave clear insight of nanomaterials, their synthesis using biological sources, types, gap identification, XRD patterns, and the uses of nanocomposites to the students.

At the end of each session participants question were clarified by the guest speakers and the guest lecture ended successfully by vote of thanks by Dr. J. Madhusudhanan, Associate Professor, Department of Biotechnology.



















