

BL5213 Protein Design and Engineering (4MCs)

The module focuses on design and engineering of proteins and enzymes. The main objective is to teach students various state-of-the-art methods and strategies used in protein design and engineering. It encompasses the fundamentals of protein structure, de novo design of structural and functional proteins and peptides, structural engineering of proteins for novel functions, design and development of “mini proteins” and design of peptide mimetics. Graduate students with inclination towards designing and developing new proteins, protein and peptide-based therapeutics, and peptide mimetics.