

## Webinar on Enzyme-engineering

Enzymes, also called biocatalysts, are widely used in various industrial applications, especially in the manufacturing of bulk chemicals and pharmaceuticals. Enzyme engineering is the process of improving the efficiency of an already available enzyme or the formulation of an advanced enzyme activity by altering its amino acid sequence. This technology has developed as a potential tool to overcome the disadvantages of native enzymes as biocatalysts. Rational design and directed (molecular) evolution are the two general approaches in enzyme engineering. Genetic engineering techniques are widely used to improve enzyme efficiency. For exploring enzyme sequences and for creating new and efficient biocatalysts, the combination of directed evolution and rational

protein design using computational tools is becoming increasingly relevant, Which is based on THEME: “TO ENHANCE THE STABILITY OF ENZYMES BY ENZYME ENGINEERING”.

SCIENTIFIC SESSIONS includes Enzyme Engineering, Genetic Engineering, Genomics & Structural Genomics, Protein Biochemistry, Protein Therapeutics & Market Analysis, Proteomics in Plant & Animal, Structure and Function of Proteins, Transcriptome Analysis & Gene Expression, Antibody Drug Therapy, Applications of Genetics and Protein Engineering.