

List of New Practical's/Demonstrations introduced 2017-19

- Immobilisation and Characterisation of extracellular fungal amylase (produced through solid state fermentation).
- Effect of various sound and electromagnetic waves on growth of bacteria.
- Development and optimisation of an agarose/sepharose based DNA gel electrophoresis for separation of broad range DNA fragments.
- Production of amylase through solid state fermentation of agrowaste.
- Production of heavy metal nanoparticles by microorganisms.
- Workshop on Probiotics
- Structural Characterization of a polynuclear Cu(II) azido complex and its DNA interactions
- Characterization of Organic Compounds Through TLC & FTIR
- Spreadsheet Applications in Chemistry Using Microsoft Excel
- Extraction of alkaloids through Column Chromatography and characterization through FTIR and UV-Vis spectroscopy
- Quadrat Sampling in NEWTOWN HIDCO LAND to study Community structure
- Making of heating tools for drying Macrophytic Fungi
- Collection Techniques of Fungi and Algae
- Dissecting Angiosperm Flowering Plants by using a Flowering Parts Mounting technique on Curtis Paper (Acid Free papers)
- Quadrat Sampling in Rabindra Sarovar Park Areas
- Biosorption of Dystuffs by Water Hyacinth Root and Coir pith
- Cell viability Study through Trypan Blue assay
- Demonstration of Budding in Hydra and Regeneration process of *Planaria* sp
- Study of Chromosome and Fluorescence staining
- Discrete Fourier Transform with its Plant Cell application to Fast Fourier Transform Spectroscopy
- Application of Differential Equation in Biology
- Verification of Bohr's theory with Frank Hertz Experiment
- Mathematical modelling in Biology
- Polarisation of light and optical rotation
- Resonance phenomenon in electrical and electronic circuit
- Electromechanical workshop practice