



Dr. N.G.P. ARTS AND SCIENCE COLLEGE

Coimbatore - 641 048

Hands on Training

on

Isolation Techniques in Molecular Biology

(Collaboration with KMCH Research Foundation)

29th - 31st January 2024

Organized by

Department of Microbiology

(Under DBT Star Status Scheme)



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Students of Microbiology

Objectives

There has been a growing interest in research and development of new techniques in molecular biology and it has become a significant part of Microbiology discipline due to its wide applications in the field of medical diagnosis and research. Moreover it is the base for exploring the new ideas in drug discovery, design & development and modern diagnostic methods. Combating the emerging infectious diseases through early diagnosis is more important for reducing the morbidity and mortality, where molecular diagnosis play a vital role. So it becomes essential for the students of microbiology to take a stride in upskilling themselves in molecular methods to be competent enough and have enhanced job opportunities. This training will also empower the students to take research as a career, where conventional and time consuming microbial techniques have been overshadowed by new molecular methods. We hope this workshop will be a great path finder for progression of microbiology students

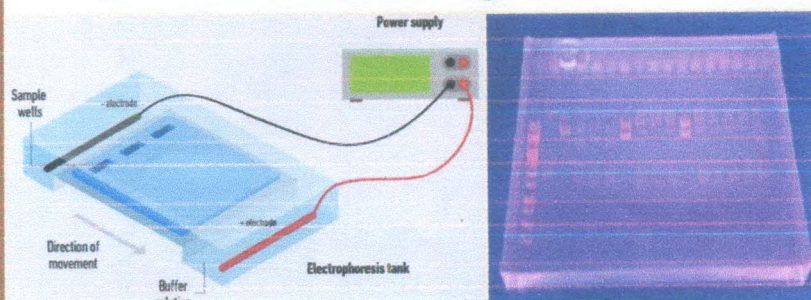
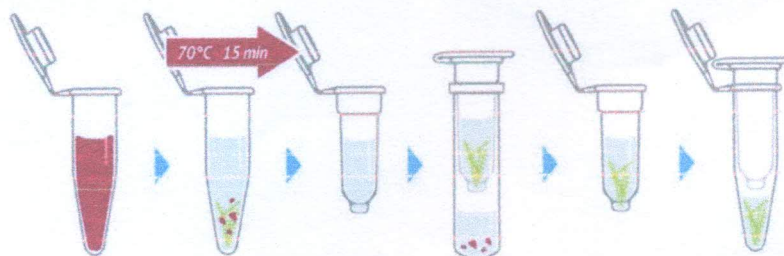
Resource Person



Dr. G. Velmurugan,
Scientist,
Chemomicrobiomics Laboratory,
Dept. of Biochemistry & Microbiology
KMCH Research Foundation,
Coimbatore - 641 014

Hands on Training will Focus on:

- Extrachromosomal DNA Isolation & Agarose Gel Electrophoresis
- Bacterial Genomic DNA Isolation & Agarose Gel Electrophoresis
- RNA Isolation & Agarose Gel Electrophoresis
- DNA isolation from blood & Agarose Gel Electrophoresis



23/01/2024