



Laboratory of Microbiology

The Microbiology Laboratory supports teaching and research in diversity, physiology, and applications of microorganisms. Equipped with modern instruments, it provides facilities for developing technical competencies, applying scientific methods, and fostering innovations in microbiology.



Lecturers



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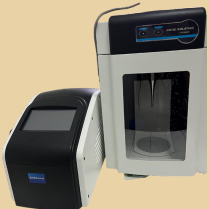
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Main Laboratory Equipment



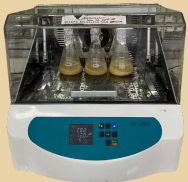
Sonicator



Polymerase Chain
Reaction (PCR)



Spectrophotometer



shaker incubator



Mini Microcentrifuge



Refrigerated Centrifuge



Shaking Water Bath



Centrifuge

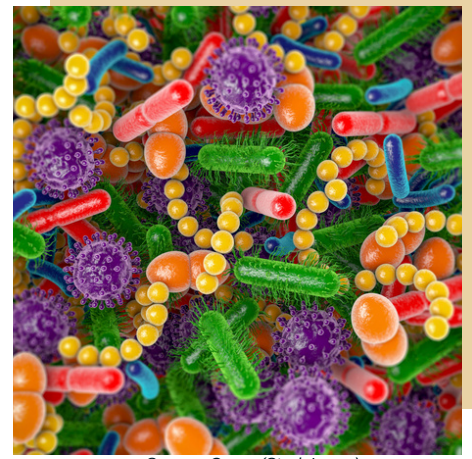
others:
Bio-safety Cabinet
Microscope
Oven
Autoklaf

Photo: Personal Documentation



Public Service

- ✓ Microbial Identification
- ✓ Molecular Microbiology Analysis Training
- ✓ Antimicrobial Activity Testing
- ✓ Workshop on Phage Discovery
- ✓ Penyediaan Kultur Mikrobia
- ✓ Basic Microbiology Techniques Training



Source : Canva (Stock Image)



Scope of Expertise

- ✓ Bacteriology
- ✓ Industrial Microbiology
- ✓ Food Microbiology
- ✓ Medical Microbiology
- ✓ Microbial Genetics



Research Topic

- ✓ Health Environment
- ✓ Molecular Environmental
- ✓ Microbiology
- ✓ Nanotechnology
- ✓ Industrial Microbiology
- ✓ Microbial Enzyme
- ✓ Oleaginous Fungi
- ✓ Food biopreservation from microbial and natural based-origin
- ✓ Prebiotics from microbial and plant-based origin
- ✓ Microbial Ecology in Food Systems
- ✓ Food safety and microbiological control
- ✓ Food fermentation and Microbial Metabolites
- ✓ Antimicrobial resistant (AMR)
- ✓ Biomaterial from microbes for medical, food, and industrial purposes
- ✓ Molecular detection of pathogenic microbes
- ✓ Recombinant Technology



courses offered for doctoral programme

- ✓ Capita Selecta
- ✓ Microbial Ecology
- ✓ Environmental Microbiology
- ✓ Bioprocess and Bacterial Biomolecular
- ✓ Microbiological Analysis of Food
- ✓ Infection Biology