

Microbiology Internship with Accommodation at Kolkata

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Active Categories

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Focused Areas

Kolkata

Accommodation Location

How to View Accommodation Details and Booking Options

1. Open the Internships page or the corresponding Topics page.
2. Select the relevant focused area.
3. Select the available duration, mode and internship type.
4. Choose **Offline** mode to access accommodation booking options.
5. Continue to the fee/payment page and use the **Branches Select Option**.
6. After selecting the branch, use **Book NTHRYS Accommodation** to view accommodation fee, facility photographs, amenities and the available booking details.

Microbiology Internship Categories

AI Microbial Community Ecology Research https://internships.nthrys.com/microbiology/ai-microbial-community-ecology-research	Machine Learning Microbial Pathogenesis Research https://internships.nthrys.com/microbiology/machine-learning-microbial-pathogenesis
AI Microbiome Host Interaction Research https://internships.nthrys.com/microbiology/ai-microbiome-host-interaction-research	AI Microbial Metabolism Research https://internships.nthrys.com/microbiology/ai-microbial-metabolism-research
AI Antimicrobial Resistance Research https://internships.nthrys.com/microbiology/ai-antimicrobial-resistance-res	AI Phage-Microbe Coevolution Research https://internships.nthrys.com/microbiology/ai-phage-microbe-coevolution-research
AI Microbial Genomics Research https://internships.nthrys.com/microbiology/ai-microbial-genomics-research	AI Synthetic Microbiology Research https://internships.nthrys.com/microbiology/ai-synthetic-microbiology-res
AI Extremophile Microbiology Research https://internships.nthrys.com/microbiology/ai-extremophile-microbiology-res	AI Microbiome Therapeutics Research https://internships.nthrys.com/microbiology/ai-microbiome-therapeutics-research
Bacterial Biofilm Formation and Inhibition https://internships.nthrys.com/microbiology/bacterial-biofilm-formation-inhibition	Fungal Pathogenesis and Virulence Factors https://internships.nthrys.com/microbiology/fungal-pathogenesis-virulence-factors
Wastewater Treatment Microbiology https://internships.nthrys.com/microbiology/wastewater-treatment-microbiology	Probiotic Microorganism Selection https://internships.nthrys.com/microbiology/probiotic-microorganism-selection

Clinical Microbial Diagnostics Development https://internships.nthrys.com/microbiology/clinical-microbial-diagnostics-development	Fermentation Optimization for Production https://internships.nthrys.com/microbiology/fermentation-optimization-production
Food Safety Microbiology Testing https://internships.nthrys.com/microbiology/food-safety-microbiology-testing	Environmental Microbial Bioremediation https://internships.nthrys.com/microbiology/environmental-microbial-bioremediation
Microbiome Analysis and Metagenomics Research https://internships.nthrys.com/microbiology/microbiome-analysis-metagenomics-research	Viral Isolation and Characterization https://internships.nthrys.com/microbiology/viral-isolation-characterization
Antibiotic Susceptibility Testing Methods https://internships.nthrys.com/microbiology/antibiotic-susceptibility-testing-methods	Soil Microbial Community Analysis https://internships.nthrys.com/microbiology/soil-microbial-community-analysis
Microbial Spoilage Mechanisms Study https://internships.nthrys.com/microbiology/microbial-spoilage-mechanisms-study	Oral Microbiome and Dental Disease https://internships.nthrys.com/microbiology/oral-microbiome-dental-disease
Aquatic Microbial Ecology Research https://internships.nthrys.com/microbiology/aquatic-microbial-ecology-research	Microbial Enzyme Production Systems https://internships.nthrys.com/microbiology/microbial-enzyme-production-systems
Hospital-Acquired Infection Surveillance https://internships.nthrys.com/microbiology/hospital-acquired-infection-surveillance	Plant Pathogenic Microbe Assessment https://internships.nthrys.com/microbiology/plant-pathogenic-microbe-assessment
Microbial Strain Isolation Techniques https://internships.nthrys.com/microbiology/microbial-strain-isolation-techniques	Microbial Biotechnology Applications https://internships.nthrys.com/microbiology/microbial-biotechnology-applications
Dental Biofilm Microbiology Research https://internships.nthrys.com/microbiology/dental-biofilm-microbiology-research	Microbial Identification via MALDI-TOF https://internships.nthrys.com/microbiology/microbial-identification-maldi-tof
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Thermophilic Bacteria Characterization https://internships.nthrys.com/microbiology/thermophilic-bacteria-characterization	Microbial Corrosion Mechanism Studies https://internships.nthrys.com/microbiology/microbial-corrosion-mechanism-studies
Pathogenic Gram-Negative Bacteria Research https://internships.nthrys.com/microbiology/pathogenic-gram-negative-bacteria-research	Microbial Genetics and Mutagenesis https://internships.nthrys.com/microbiology/microbial-genetics-mutagenesis
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Bacterial Antibiotic Production Research https://internships.nthrys.com/microbiology/bacterial-antibiotic-production-research	Microbial Contamination Prevention Strategies https://internships.nthrys.com/microbiology/microbial-contamination-prevention-strategies
Urinary Tract Infection Microbiology https://internships.nthrys.com/microbiology/urinary-tract-infection-microbiology	Microbial Taxonomy and Classification https://internships.nthrys.com/microbiology/microbial-taxonomy-classification
Brewery and Beverage Microbiology https://internships.nthrys.com/microbiology/brewery-beverage-microbiology	Microbial Cell Wall Structure Analysis https://internships.nthrys.com/microbiology/microbial-cell-wall-structure-analysis
Probiotics and Microbiome Therapeutics https://internships.nthrys.com/microbiology/probiotics-microbiome-therapeutics	Gastrointestinal Pathogen Identification https://internships.nthrys.com/microbiology/gastrointestinal-pathogen-identification
Microbial Biofuel Development Research https://internships.nthrys.com/microbiology/microbial-biofuel-development-research	Healthcare-Associated Microbe Genomics https://internships.nthrys.com/microbiology/healthcare-associated-microbe-genomics

Microbiology Internship Topics and Focused Areas

Machine Learning Microbial Pathogenesis Research

- Predictive Modeling of Bacterial Antibiotic Resistance
- Deep Learning for Pathogen Image Classification
- Genomic Sequence Analysis for Virulence Factor Identification
- Time-Series Modeling of Microbial Growth and Infection Kinetics
- Natural Language Processing for Microbiology Literature Mining

Bacterial Biofilm Formation and Inhibition

- Biofilm Formation Kinetics and Characterization
- Antimicrobial Peptides and Natural Compound Screening
- Quorum Sensing Inhibition and Signal Molecule Analysis
- Surface Modification and Anti-biofilm Material Development
- Polymicrobial Biofilm Interactions and Spatial Organization

Wastewater Treatment Microbiology

- Activated Sludge Process Microbial Community Profiling
- Pathogenic Microorganism Detection and Removal Efficiency
- Biofilm Formation and Bioreactor Performance in Treatment Systems
- Antibiotic Resistance Gene Prevalence in Wastewater Ecosystems
- Ammonia-Oxidizing Microorganisms and Nitrogen Removal Optimization

Probiotic Microorganism Selection

- In Vitro Probiotic Screening and Characterization
- Adhesion and Colonization Studies of Probiotic Candidates
- Genomic and Metagenomic Analysis of Probiotic Strains
- Probiotic Metabolite Production and Bioactive Compound Analysis
- Host-Microbe Interaction and Immune Response Modulation

Food Safety Microbiology Testing

- Pathogenic Bacteria Detection and Quantification
- Antimicrobial Resistance Profiling in Food Isolates
- Biofilm Formation and Control in Food Processing Environments
- Rapid Microbial Detection Method Development and Validation
- Spoilage Microorganism Identification and Shelf-Life Prediction

Microbiome Analysis and Metagenomics Research

- 16S rRNA Gene Sequencing and Taxonomic Classification
- Shotgun Metagenomic Assembly and Functional Annotation
- Metagenome-Assembled Genomes (MAG) Recovery and Binning
- Microbiome Diversity Analysis and Statistical Characterization
- Viral Metagenomics and Virome Characterization

Soil Microbial Community Analysis

- Bacterial Diversity Profiling Using 16S rRNA Gene Sequencing
- Fungal Community Composition and Function in Soil Ecosystems

- Microbial Metabolic Activity and Enzyme Assays
- Antibiotic-Resistant Microorganisms in Agricultural Soils
- Microbial Community Response to Environmental Stressors

Microbial Strain Isolation Techniques

- Enrichment Culture Techniques for Novel Microorganism Isolation
- Characterization of Isolated Microbial Strains Using Biochemical and Molecular Methods
- Screening and Selection of Microbial Strains for Biotechnological Applications
- Culture-Dependent and Culture-Independent Isolation Methods Comparison
- Single-Cell Isolation and Microbial Cloning Techniques

Microbial Biotechnology Applications

- Microbial Fermentation Engineering
- Enzyme Production and Characterization
- Probiotics and Microbial Therapeutics Development
- Bioremediation and Environmental Microbiology
- Synthetic Biology and Metabolic Engineering

Microbial Genetics and Mutagenesis

- Bacterial Mutagenesis and Phenotypic Screening
- Genetic Mapping and Complementation Analysis
- CRISPR-Cas9 Gene Editing in Microorganisms
- DNA Sequencing and Mutation Identification
- Horizontal Gene Transfer and Genetic Recombination Studies

Microbial Cell Wall Structure Analysis

- Peptidoglycan Cross-linking and Bacterial Resistance
- Gram-Positive and Gram-Negative Cell Wall Composition Comparison
- Fungal Cell Wall Biosynthesis and Chitin Organization
- Archaeal Cell Wall Diversity and S-Layer Protein Architecture
- Biofilm Formation and Extracellular Polysaccharide Matrix Analysis

Gastrointestinal Pathogen Identification

- Bacterial Pathogen Isolation and Characterization
- Viral Gastrointestinal Pathogen Detection
- Parasitic Infection Diagnosis and Epidemiology
- Antimicrobial Resistance Profiling in GI Pathogens
- Metagenomic Analysis of Gut Microbiota in Disease States

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