Research Gap Identification in Biotechnology

Genetic Engineering and Modification

1.1. Ethical Implications of Gene Editing in Humans
1.2. Long-term Effects of Genetically Modified Organisms (GMOs)
1.3. Enhancing CRISPR-Cas9 Precision and Off-target Effects

Biopharmaceuticals

2.1. Personalized Medicine Approaches in Drug Development
2.2. Development of Novel Drug Delivery Systems for Biologics
2.3. Immunogenicity and Allergic Reactions to Biopharmaceuticals

Bioinformatics and Computational Biology

3.1. Advancements in Predictive Genomic Analysis
3.2. Big Data Analytics for Biological Data Interpretation
3.3. Privacy and Security Concerns in Genomic Data Sharing

Synthetic Biology

4.1. Standardization of Biological Parts and Devices
4.2. Creating Artificial Life: Ethical and Moral Implications
4.3. Environmental Impact Assessment of Synthetic Microorganisms

Bioprocessing and Biomanufacturing

5.1. Scalability Challenges in Bioproduction
5.2. Continuous Bioprocessing vs. Batch Processing: Optimization
5.3. Sustainability and Green Techniques in Biomanufacturing

Bioenergy and Environmental Biotechnology

6.1. Enhancing Microbial Fuel Cell Efficiency

6.2. Biomass Conversion Technologies: Cost-effectiveness
6.3. Bioremediation Strategies for Emerging Pollutants

Medical Biotechnology

7.1. Stem Cell Therapy: Standardization and Safety
7.2. CRISPR-based Therapeutics: Delivery Challenges
7.3. Biotechnology Interventions in Cancer Immunotherapy

Plant Biotechnology

8.1. Drought and Salinity Tolerance in Genetically Modified Crops
8.2. Crop Disease Resistance: Sustainable Approaches
8.3. Impact of GM Crops on Biodiversity and Ecosystems

Industrial Biotechnology

9.1. Enzyme Engineering for Industrial Applications
9.2. Bioplastics: Enhancing Production and Biodegradability
9.3. Microbial Biofactories for Chemical Production

Ethical, Legal, and Social Implications (ELSI) of Biotechnology

10.1. Ensuring Equitable Access to Biotechnological Advancements
10.2. Regulatory Frameworks for Gene-edited Organisms
10.3. Public Perception and Understanding of Biotechnological Innovations

Fee Structure

Note 1: Fee mentioned below is according to the selected duration
Note 2: Fee of any sort is NON REFUNDABLE once paid. Please cross confirm all the details before proceeding to fee payment.
Note 3: Fee is including all taxes.

Research Gap Identification in Biotechnology Total Fee: Rs 120000/-

Reg Fee Rs 36000/-

Please contact +91-9014935156 for fee payments info or EMI options or Payment via Credit Card or Payment using PDC (Post Dated Cheque).