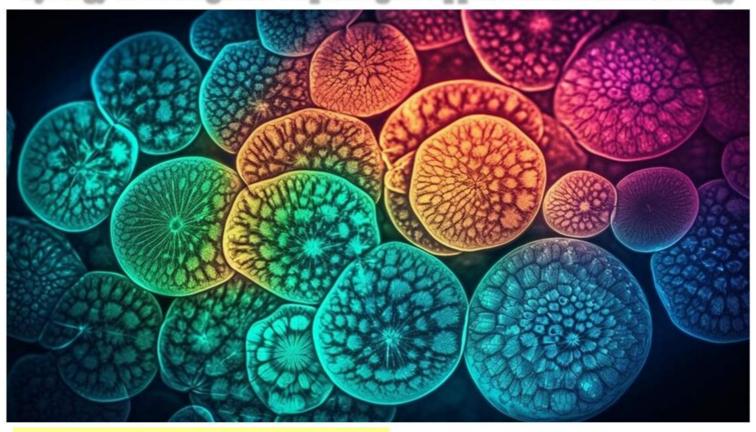
## Call for Book Chapters/Research Papers for Edited Books To be published with ISBN under IIP International publishers, USA and India

### Synergy of Intelligence: Exploring AI Applications in Microbiology



### **Series Editor:**



Sneha khadse
PhD scholar
Department of microbiology
Nirwan University Jaipur Rajasthan
India
Khadsesneha43@gmail.com
9372502092

## Editors Book Series ID: IIPER1703654065

### **Iterative International Publishers**

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### **Imprint IIP**

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### Important dates:

Chapter/paper submission starts on: 22/12/2023 Last date for chapter/paper submission:15/01/2024 Acceptance notification:16/01/2024 Last date for registration:15/01/2024

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Call for Chapters

# Synergy of Intelligence: Exploring AI Applications in Microbiology

### Aims and Scope:

The book, "Synergy of Intelligence: Exploring AI Applications in Microbiology," aspires to delve into the transformative synergy between artificial intelligence (AI) and microbiology. Its aim is to provide a comprehensive understanding of how AI technologies can revolutionize microbial research, diagnostics, and applications. Encompassing diverse topics such as AI-driven diagnostics, genomic analysis, drug discovery, biotechnology applications, and ecological microbiology, the book seeks to illuminate the potential of AI in unraveling the complexities of the microbial world. By fostering interdisciplinary collaboration, the book aims to be a valuable resource for researchers, academicians, and professionals, catalyzing advancements at the intersection of AI and microbiology.

### **List of Topics:**

- AI-Enhanced Microbial Diagnostics
- Genome Annotation and Predictive Modeling
- Drug Discovery Acceleration
- Bioprocess Optimization
- · Ecological Insights through AI
- AI-Driven Bioinformatics Tools
- Smart Surveillance for Microbial Threats
- Human-Microbe Interactions
- Ethical and Regulatory Considerations
- Education and Training in AI for Microbiologists

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