



## **Aero Microbiology Research Projects**

NTHRYS Biotech Labs offers Research Projects under Aero Microbiology in the below focussed areas:

### **Health and Disease Transmission**

4. Investigate the role of bioaerosols in the transmission of infectious diseases.
5. Assess the impact of climate change on bioaerosol-mediated disease spread.
6. Develop early warning systems for disease outbreaks based on bioaerosol data.

### **Extreme Environments and Space Microbiology**

10. Study microbial adaptation strategies in extreme environments.
11. Investigate the presence of microbial life in space habitats and spacecraft.
12. Develop microbial systems for life support in long-duration space missions.

### **Aero-Microbiome and Human Health**

16. Characterize the human respiratory microbiome and its relationship to airborne microbes.
17. Investigate the impact of urbanization on the human exposure to bioaerosols.
18. Assess the role of indoor bioaerosols in respiratory health.

### **Environmental Impact Assessment and Regulation**

22. Develop standardized methods for bioaerosol impact assessments in EIA.
23. Establish regulatory frameworks for bioaerosol management in urban areas.
24. Implement effective mitigation measures to reduce bioaerosol pollution.

### **Biological Control and Agriculture**

28. Investigate bioaerosol-based strategies for biological pest control.

29. Develop bioaerosol formulations for crop protection.
30. Optimize the use of bioaerosols in sustainable agriculture practices.

### **Public Health and Aerosol Exposure**

34. Evaluate the effectiveness of aerosol-based infection control measures.
35. Assess the risk of airborne disease transmission in healthcare settings.
36. Study the impact of ventilation systems on aerosol exposure.

### **Biological Control of Vector-Borne Diseases**

40. Explore bioaerosol-based approaches for controlling disease vectors.
41. Develop microbial larvicides targeting vector larvae in water bodies.
42. Investigate integrated pest management strategies using bioaerosols.

### **Advanced Detection and Monitoring Technologies**

46. Develop portable bioaerosol sensors for field studies and early warning systems.
47. Improve metagenomic and metatranscriptomic tools for bioaerosol analysis.
48. Integrate remote sensing technologies into bioaerosol monitoring networks.

### **Aero-Microbial Interactions in Extreme Weather Events**

52. Study the release and dispersal of bioaerosols during wildfires.
53. Investigate the role of bioaerosols in atmospheric processes during volcanic eruptions.
54. Assess the transport of bioaerosols during hurricanes and tropical storms.

### **Advanced Bioaerosol Modeling**

58. Enhance numerical models for simulating bioaerosol dynamics and dispersion.
59. Develop predictive models for bioaerosol exposure and health risk assessments.
60. Explore machine learning and AI-based approaches for bioaerosol data analysis.

## **Fee Structure**

Note 1: Fee mentioned below is per candidate.

Aero Microbiology Research Projects

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.

2 Months Total Fee: Rs 100800/-
<b>Reg Fee Rs 5500/-</b>
3 Months Total Fee: Rs 153600/-
<b>Reg Fee Rs 5500/-</b>
4 Months Total Fee: Rs 204000/-
<b>Reg Fee Rs 5500/-</b>
5 Months Total Fee: Rs 256800/-
<b>Reg Fee Rs 5500/-</b>
6 Months Total Fee: Rs 307200/-
<b>Reg Fee Rs 5500/-</b>
7 Months Total Fee: Rs 360000/-
<b>Reg Fee Rs 5500/-</b>
8 Months Total Fee: Rs 410400/-
<b>Reg Fee Rs 5500/-</b>
9 Months Total Fee: Rs 460800/-
<b>Reg Fee Rs 5500/-</b>
10 Months Total Fee: Rs 513600/-
<b>Reg Fee Rs 5500/-</b>
11 Months Total Fee: Rs 564000/-
<b>Reg Fee Rs 5500/-</b>
1 Year Total Fee: Rs 616800/-

**Reg Fee Rs 5500/-**

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

Please check below for Payment QR Code.

**NTHRYS Biotech Labs**

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