

# BIOPROBE LAB PVT. LTD.

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MOB NO: 9845835956; 8588009578

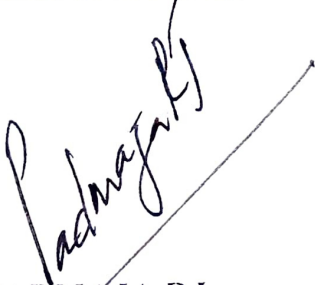
## CERTIFICATE

This is to certify that the project entitled “Mining of Arsenic degrading bacteria from different soil sources” is a record of bonafide research work carried out by research intern **Mr. Nakul DS** under the guidance of **Dr. Padmaja R J**, CEO & CTO of BIOPROBE LAB PVT. LTD., during the period of 2<sup>nd</sup> August 2023 to 19<sup>th</sup> August 2023.

**Mr. Nakul DS** has gained individualistic proficiency in handling microbiology and molecular biology techniques. We wish him best wishes for his future endeavours.

DATE: 19-08-2023

PLACE: MYSORE



PADMAJA RJ

CEO & CTO

BIOPROBE LAB PVT. LTD.

1st Floor # 709, Prashanth Nagar,  
Bogadhi 2nd Stage, Chamaraja Mohalla,  
Mysore, KA, India-570026.

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Chamaraja Mohalla, Mysore, Karnataka, India-570026

CIN No.: U24304KA2019PTC128504; GSTIN: 29AAICB6773G1Z9



**SPICES BOARD**  
(Ministry of Commerce & Industry, Govt of India)  
**INDIAN CARDAMOM RESEARCH**  
**INSTITUTE REGIONAL STATION**  
Donigal P. O., Sakleshpur 573 134,  
Hassan District, KARNATAKA  
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स्पाइसेस बोर्ड  
भारतीय वनस्पति अनुसंधान संस्थान  
प्रादेशिक केंद्र  
दोनिगल पी.ओ., सकलेशपुर 573 134,  
हसन जिला, कर्नाटक

File No: 3 (14)/RES/SPR/2022-23/249

Date: 31/03/2023

## CERTIFICATE

This is to certify that, Mr. NAKUL D S, BSc. (Biotechnology and Botany) II<sup>nd</sup> year student, SDM, Degree College, Ujire, Dakshina Kannada (Dt) Karnataka, bearing student ID-210208, has successfully completed 10 days Internship (20-03-2023 to 31-03-2023) as a part of academics. During his internship tenure he had acquired skills on below mentioned aspects:

1. Cultivation, Nursery techniques, Nutrition & Disease/Pest Management of small cardamom, black pepper, ginger, turmeric & herbal spices.
2. Plant breeding techniques in small cardamom.
3. Germplasm characterization techniques for 20 accessions (Malabar & Mysore type each) of small cardamom.
4. Propagation techniques in black pepper.
5. Extraction of oil from herbal spices like Rosemary and Japanese mint by steam-distillation unit.
6. Mass production of *Trichoderma harzianum* & *Pseudomonas fluorescens*.
7. Isolation of pathogen (*Colletotrichum gloeosporioides*) Nematode (*Meloidogyne incognita*) and Plant Growth Promoting Rhizobacteria (PGPR) from small cardamom rhizosphere.
8. Collection of soil sampling for soil testing.

To the best of my knowledge, he bears a good moral character. I wish him every success in future endeavours.

Place: Sakleshpur  
Date: 31.03.2023



*Harsha*  
(Dr. K N Harsha)  
Scientist-In-Charge  
ICRI Regional Station  
Spices Board (Govt of India)  
Donigal P.O., Sakleshpur 573 134  
Hassan District, Karnataka



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स्पाइसेस बोर्ड  
(व्यापार और उद्योग विभाग, भारत सरकार)  
भारतीय इलायची अनुसंधान संस्थान  
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File No: 3 (14)/RES/SPR/2022-23/250

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## C E R T I F I C A T E

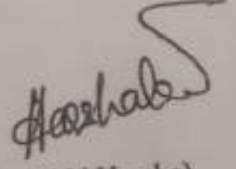
This is to certify that, Mr. KARTHIK, BSc. (Biotechnology and Botany) II<sup>nd</sup> year student, SDM, Degree College, Ujire, Dakshina Kannada (Dt) Karnataka, bearing student ID-210206, has successfully completed 10 days Internship (20-03-2023 to 31-03-2023) as a part of academics. During his internship tenure he had acquired skills on below mentioned aspects:

1. Cultivation, Nursery techniques, Nutrition & Disease/Pest Management of small cardamom, black pepper, ginger, turmeric & herbal spices.
2. Plant breeding techniques in small cardamom.
3. Germplasm characterization techniques for 20 accessions (Malabar & Mysore type each) of small cardamom.
4. Propagation techniques in black pepper.
5. Extraction of oil from herbal spices like Rosemary and Japanese mint by steam-distillation unit.
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8. Collection of soil sampling for soil testing.

To the best of my knowledge, he bears a good moral character. I wish him every success in future endeavours.

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(Dr. K N Harsha)  
Scientist-In-Charge  
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