

BIOPROBE LAB PVT. LTD.

www.bioprobelab.in 0821-2543622 prd@bioprobelab.in

MOB NO: 9845835956; 8588009578

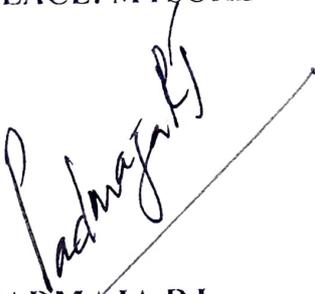
CERTIFICATE

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 2nd August 2023 to 19th 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.

Reg. Off: 1st Floor, No. 709, Prashanth Nagar, Bogadhi 2nd Stage,
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
Phone: 08173- 295575; E-mail: sbicrskp@gmail.com

स्पाइसेस बोर्ड
भारतीय वडसायपीअनुसंधान 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) IInd 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




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



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C E R T I F I C A T E

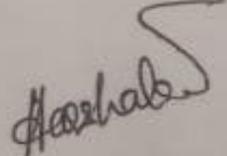
This is to certify that, Mr. KARTHIK, BSc. (Biotechnology and Botany) IInd year student, SDM, Degree College, Ujire, Dakshina Kannada (Dt) Karnataka, bearing student ID-210206, has successfully completed 10 days Internship (20-03-2023 to 31-03-2023) as a part of academics. During his internship tenure 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.
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




(Dr. K N Harsha)
Scientist-In-Charge
ICRI Regional Station
Spices Board (Govt of India)
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Hassan District, Karnataka