



Tuljaram Chaturchand Collage of Arts , Science and Commers(
Autonomous) ,Baramti.

CERTIFICATE

This is to project certify that the entitled

"ISOLATION AND CHARACTERIZATION OF PHOSPHATE SOLUBILISING BACTERIA"


Submitted by,

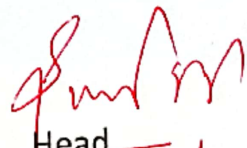
1. Garde Sakshi Sudhakar
2. Sorate Anuja Ambadas
3. chaudhari Ankita Hanumant
4. Kamble Pratiksha Tukaram

In partial fulfilment of the requirement of the award of degree
B.SC.(Microbiology) to Savitribai Phule Pune University , Pune has
Been carried out by them under my guidance satisfactorily during the
academic year 2023 –2024.

Date :


Internal
Examiner


External
Examiner


Head
Microbiology Dept.

Department of Microbiology
Tuljaram Chaturchand Collage
Baramati, Dist. Poona



**Anekant Education Society's,
Tuljaram Chaturchand College (Autonomous), Baramati**

Affiliated to Savitribai Phule, Pune University

Academic Year 2023-24

Certificate

Department of Microbiology

This is to certify that the work incorporated in the project report entitled
**“Isolation and identification of phosphate solubilizing
fungi from soil”** submitted by microbiology group for the fulfilment
of partial course micro- 3609 for degree of bachelor of science in microbiology
The project was carried out excellent / satisfactorily manner under my
supervision in department of microbiology ; Tuljaram chaturchand collage
Baramati.

(Prof. Dhawal .V. Doshi)

Project guide

External examiner

(Dr . S. T. Pawar) HOD,
Dept.of microbiology



Anekant Education Society's
**Tuljaram Chaturchand College of Arts, Science and
Commerce(Autonomous), Baramati.**

CERTIFICATE

This is to project certify that the entitled "PHIOSPHATE SOLUBILIZING
ACTINOMYCETES"

submitted by

Surve Priti Pitambar – 11520

Bhosale Sakshi Jitendra – 11664

Kare Sayali Jagannath – 11701

Thigale Mrunali Ganesh - 11711

in partial fulfillment of the requirement of the award of degree
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academic year 2023-2024.

Date :

Rambh
13/04/24

Project Guide

Examiner

Internal

Examiner

Thy

External

Department

[Signature]

Head Microbiology

HEAD

**Department of Microbiology
Tuljaram Chaturchand College
Baramati, Dist. Poona**



Certificate

This is to certify that, the work incorporated in the dissertation entitled "Isolation and characterization of Phosphate solubilizing bacteria" by Miss Shaikh Shirin Salim, Miss Tiwari Kajal Narendra, Miss Bankar Prerna Anil and Miss Bankar Shruti Anil,

were carried out under my supervision at the Department of Microbiology, as a partial fulfilment of B.Sc. degree in Microbiology under Tuljaram Chaturchand College, Baramati affiliated by Savitribai Phule Pune University, Pune.

All the information in this dissertation is genuine to the best of my knowledge.

Date:-

Research Guide

Head of the Department

Internal Examiner

External Examiner



**Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and
Commerce(Autonomous), Baramati.**

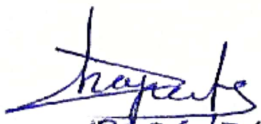
CERTIFICATE

This is to project certify that the entitled "Isolation and characterization of phosphate solubilizing fungi" submitted by


- 1.Godase Ashvini Anil-11531
- 2.Khartode Pratiksha Ramesh-11532
- 3.Khartode Kajal Sambhaji-11667
- 4.Gore Sakshi Bapu-11680


in partial fulfillment of the requirement of the award of degree B.Sc.(Microbiology) to Savitribai Phule Pune University, Pune has been carried out by them under my guidance satisfactorily during the academic year 2023-2024.

Date :


13/09/24
Project Guide


Internal
Examiner


External
Examiner


Head
Microbiology Dept.

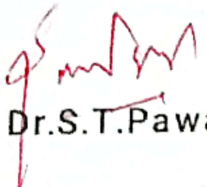


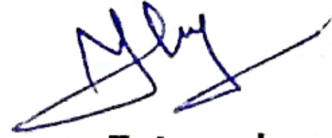
**Anekant Education Society's,
Tuljaram Chaturchand College (Autonomous), Baramati
Affiliated to Savitribai Phule, Pune University
Academic Year 2023-24**

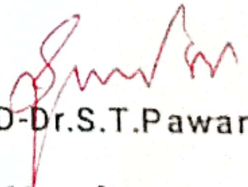
CERTIFICATE

Department of Microbiology

This is to project certify that the entitled " **Isolation and identification of phosphate solubilizing fungi from soil**" submitted by submitted by microbiology group for the fulfilment of partial course micro- 3609 for degree of bachelor of science in microbiology. The project was carried out excellent / satisfactorily manner under my supervision in department of microbiology, Tuljaram collage ,Baramati .


Mr. Dr.S.T.Pawar.
Project Guide


**External
Examiner**


HOD-Dr.S.T.Pawar.
**Head
Microbiology Dept.**

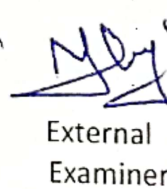
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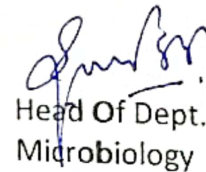
This is to certify that the work incorporated in project entitled **Isolation and characterization of Phosphate Solubilizing Actinomycetes** submitted by **Aditya Anant Jadhav, Omkar Dilip Rupnawar, Vyankatesh Vinod Solankar, Omakar Vilas Kharat, Abhijeet Popat Khartode** . under my supervision in the Post Graduate Research Centre Department of Microbiology, Tuljaram Chaturchand College of Arts, Science and Commerce (Autonomous), Baramati-413102 Dist: Pune for the degree of B.Sc Microbiology.

Date : 13/4/24


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Examiner

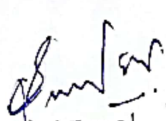

Head Of Dept.
Microbiology


CERTIFICATE


This is to certify that the work incorporated in project entitled **Isolation and characterization of Phosphate Solubilizing Actinomycetes** submitted by **Yogeshwar Vjaykumar Mane, Sanket Vikram Shelar, Aditya Bapu Thombare, Vaman Narayan Gholve** . under my supervision in the Post Graduate Research Centre Department of Microbiology, Tuljaram Chaturchand College of Arts, Science and Commerce (Autonomous). Baramati-413102 Dist: Pune for the degree of B.Sc Microbiology.

Date :


Project Guide


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External Examiner


Head Of Dept.
Microbiology



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Tuljaram Chaturchand College of Arts, Science and
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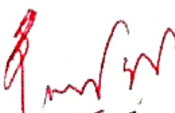
This is to project certify that the entitled "**Isolation and
identification of phosphate Solubilizing
bacteria**" submitted by

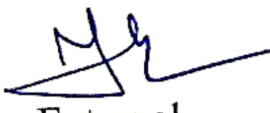
- Nimbalkar pranali Ganesh Roll No -11614
- Pawar pooja Nanaso Roll No -11738
- Raut Rupali Popat Roll No -11686
- Gawade Sayali Sanjay Roll No -11793

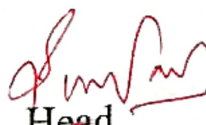
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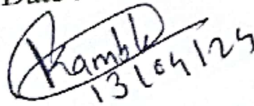
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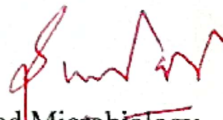
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Date :


13/04/24
Project Guide
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Internal
Examiner


External
Department


Head Microbiology
HEAD

**Department of Microbiology
Tuljaram Chaturchand College
Baramati, Dist. Poona**