

Declaration by Research Scholar

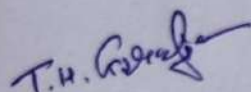
Originality of Research Work

I declare that thesis entitled "*Bioconversion of floral waste into Effective Biocompost by using Microbial consortium from Indigenous Gir cow*" is my own work conducted under the supervision of **Dr. Nilkanth Faldu** at Department of **Microbiology**, Faculty of **Science**, Atmiya University, Rajkot, Gujarat, India and approved by the Director of Research.

I further declare that to the best of my knowledge the thesis does not contain any part of any work which has been submitted for award of any degree either in this University or any other University without proper citation.

Date: 17/01/2023

Place: Rajkot



Signature of the Research Scholar

Tejas H. Gorasiya

Certificate of Supervisor

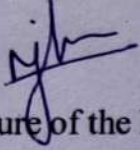
This is to certify that work entitled "*Bioconversion of floral waste into Effective Biocompost by using Microbial consortium from Indigenous Gir cow*" is a piece of research work done by **Gorasiya Tejas Harshadbhai** under my supervision for the degree of Doctor of Philosophy in Department of **Microbiology**, Faculty of **Science**, Atmiya University, Rajkot, Gujarat, India

To the best of my knowledge and belief the research work and thesis

- I. Embodies the work of candidate himself,
- II. Has duly been completed,
- III. Fulfils the requirement of ordinance related to Ph.D. degree of the University &
- IV. Is up to the standard both in respect of content and language for being referred to the examiner.

Date: 17/01/2023

Place: Rajkot



Signature of the Research Supervisor

Dr. Nilkanth Faldu

Thesis Approval Form

The Viva-Voce of the Ph.D. thesis entitled "*Bioconversion of floral waste into Effective Biocompost by using Microbial consortium from Indigenous Gir cow*" submitted by **Gorasiya Tejas Harshadbhai (Enrolment No. 190682002)** was conducted on **06/01/2023 (Friday)** at Atmiya University, Rajkot, Gujarat

Based on the Performance of the Candidate, We, the panel of examiners, recommend that
(Please tick any of the following)

1. He / She be awarded Ph.D. Degree
2. He / She be awarded Ph.D. Degree with minor modification

Please Suggest Modification

3. The following modifications are to be incorporated in the thesis within one month and viva-voce be re-conducted by the same panel of examiners


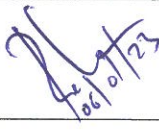
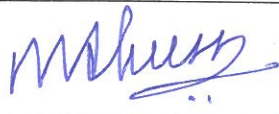
Please Suggest Modification

4. He / She should not be awarded Ph.D. Degree

Please mention Reason for Rejection

Date: 06/01/2023

Place: Rajkot

Signature		 06/01/23	
	Research Supervisor	University Nominee	External Examiner



ATMIYA UNIVERSITY

(Established under the Gujarat Private University Act 11, 2018)

Yogidham Gurukul, Kalawad Road, Rajkot - 360005, Gujarat (INDIA)

Certificate

Pre Thesis Submission Presentation

This is to certify that **Gorasiya Tejas Harshadbhai** has made Pre Ph.D. presentation on the research work entitled **Bioconversion of floral waste into Effective Biocompost by using Microbial consortium from Indigenous Gir cow** in the Faculty of Science, Atmiya University, Rajkot on 12/12/2022 before Departmental Research Committee for getting feedback and comments.

This is also to certify that all the suggestions and comments given by the Doctoral Progress Review Committee are incorporated. Moreover the presented research work was appreciated and recommended by all attendees.

Date: 12/12/2022

Place: Rajkot

Research Coordinator



Declaration by Research Scholar

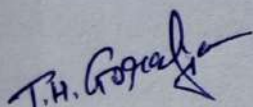
Submission of Thesis

I declare that the submitted thesis entitled "*Bioconversion of floral waste into Effective Biocompost by using Microbial consortium from Indigenous Gir cow*" incorporates

1. All the suggestions / directions / modifications / additions / deletions received from the supervisor and the external examiners through their thesis evaluation reports.
2. All the suggestions / directions / modifications / additions / deletions received from the panel of examiners during the public viva-voce (Open Defence) conducted on / /

Date: 17/01/2023

Place: Rajkot



Signature of the Research Scholar

Tejas H Gorasiya

Acknowledgement

My deepest gratitude goes to my Ph.D. supervisor, **Dr. Nilkanth Faldu**, for his invaluable guidance and discussion through my research. he gave me the freedom to explore on my own. I have been very fortunate to have him as an advisor who believed in me and my ability; and he encouraged me to be the best that I could be. This work would not have been possible without his amazing patience and guidance. I am extremely grateful to him for giving me an opportunity to learn, think and work in a healthy and liberal environment.

I owe a lot to my **Parents** who encouraged at every stage of my personal and academic life. I am very much indebted to them for supporting me in every possible way to see the completion of this work.

From the bottom of my heart, I especially thank my Gurus. My spiritual mentor, **Pujya Tyagvallabh Swamiji** and **Pujya Sarvatit Swamiji** for providing unconditional love, care and guidance. I would not have made it this far without them.

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I would like to express my sincere gratitude to my teachers especially **Dr. Shivani Patel, Dr. Ashish Kothari, Dr. Rohan Pandya, Dr. Datta Madamwar, Dr. Darshan Marjadi, Dr. Abhijeet Joshi, Dr. Sonal Shah, Dr. Debashish Banerjee** and **Dr. Deepak Parmar**. Their valuable comments, timely care and encouraging words always kept me in high spirits throughout the research tenure. I am really indebted to them for responding warmly whenever consulted with my queries and also extending support during the course of this research work.

I would like to offer my special thanks to **Dr. Kevin Garala** and **Mr. Nutan Prakash**, who have been very kind to extend their help at various phases of this research. Their preciseness on the scientific research also impressed me and encouraged me to accomplish the research and present the results in an accurate way

Many friends have helped and supported me in these years. **Mr. Falgun, Mr. Sagar, Mr. Dhaval, Mr. Ashish, Mr. Vijay** and many more, I am indebted to all my friends for their friendship and support.

I am highly thankful to Non Teaching Staff – **Mr. Indra, Mr. Mitesh, Mr. Chirag, Mr. Vipul, Mr. Naimish, Mr. Nilesh, Mr. Vikram, Mr. Shiba, Mr. Hitendra** for their ever helping nature.

I am thankful to SHODH - ScHeme of Developing High Quality Research, Education Department, Government of Gujarat, for their financial support.

I sincerely thank the **Department of Microbiology, Atmiya University, Rajkot** for providing all kinds of facilities related to the field and laboratory work of the project.

This research and the resulting thesis have been a challenging journey for me from day one; a journey where every step was an experience that brought me closer to the Almighty. Therefore, I offer this humble attempt at the lotus feet of God and our Spiritual Master – **His Divine Holiness Hariprasad Swamiji Maharaj and Pragat Guruhari Prabodh Swami Maharaj** - whose grace and blessings enabled me to focus on my subject of research in a way that made me realize the depth of scientific phenomena and the discipline of scientific method.



Signature of the Research Scholar
Tejas H. Gorasiya