



**HINDI VIDYA PRACHAR SAMITI'S  
RAMNIRANJAN JHUNJHUNWALA COLLEGE OF ARTS, SCIENCE & COMMERCE  
(AUTONOMOUS)**

**DEPARTMENT OF BIOTECHNOLOGY**

**Title of the Project**

**EXPLORING THE FRONTIERS OF SCIENCE: A TOUR OF LEADING RESEARCH  
INSTITUTES IN PUNE**

**PROJECT REPORT SUBMITTED  
BY**

**NAME : Urvi Upadhyay**

**CLASS : MSc Part - I Biotechnology**

**DIV : E ROLL NUMBER : 401**

**ACADEMIC YEAR : 2022-2023**



**Certified as  
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**Principal  
Ramniranjan Jhunjhunwala College,  
Ghatkopar (W), Mumbai-400086.**



**HINDI VIDYA PRACHAR SAMITI'S  
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**Title of the Project**

**EXPLORING THE FRONTIERS OF SCIENCE: A TOUR OF LEADING RESEARCH  
INSTITUTES IN PUNE**

**PROJECT REPORT SUBMITTED  
BY**

**NAME : Ritu Dalvi**

**CLASS : MSc Part - I Biotechnology**

**DIV : E      ROLL NUMBER : 403**

**ACADEMIC YEAR : 2022-2023**



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**DEPARTMENT OF BIOTECHNOLOGY**

**Title of the Project**

**EXPLORING THE FRONTIERS OF SCIENCE: A TOUR OF LEADING RESEARCH  
INSTITUTES IN PUNE**

**PROJECT REPORT SUBMITTED**

**BY**

**NAME : Shravani Koyande**

**CLASS : MSc Part - I Biotechnology**

**DIV : E ROLL NUMBER : 404**

**ACADEMIC YEAR : 2022-2023**

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**DEPARTMENT OF BIOTECHNOLOGY**

**Title of the Project**

**EXPLORING THE FRONTIERS OF SCIENCE: A TOUR OF LEADING RESEARCH  
INSTITUTES IN PUNE**

**PROJECT REPORT SUBMITTED  
BY**

**NAME : Mantasha Shaikh**

**CLASS : MSc Part - I Biotechnology**

**DIV : E ROLL NUMBER : 408**

**ACADEMIC YEAR : 2022-2023**



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**DEPARTMENT OF BIOTECHNOLOGY**

**Title of the Project**

**EXPLORING THE FRONTIERS OF SCIENCE: A TOUR OF LEADING RESEARCH  
INSTITUTES IN PUNE**

**PROJECT REPORT SUBMITTED  
BY**

**NAME : Poonam Yadav**


**CLASS : MSc Part - I Biotechnology**

**DIV : E ROLL NUMBER : 410**

**ACADEMIC YEAR : 2022-2023**



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(AUTONOMOUS)**

**DEPARTMENT OF BIOTECHNOLOGY**

**Title of the Project**

**EXPLORING THE FRONTIERS OF SCIENCE: A TOUR OF LEADING RESEARCH  
INSTITUTES IN PUNE**

**PROJECT REPORT SUBMITTED**

**BY**

**NAME : Priya Verma**

**CLASS : MSc Part - I Biotechnology**

**DIV : E ROLL NUMBER : 411**

**ACADEMIC YEAR : 2022-2023**



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**DEPARTMENT OF BIOTECHNOLOGY**

**Title of the Project**

**EXPLORING THE FRONTIERS OF SCIENCE: A TOUR OF LEADING RESEARCH  
INSTITUTES IN PUNE**

**PROJECT REPORT SUBMITTED  
BY**

**NAME : Niti Pandya**


**CLASS : MSc Part - I Biotechnology**

**DIV : E ROLL NUMBER : 412**

**ACADEMIC YEAR : 2022-2023**



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**DEPARTMENT OF BIOTECHNOLOGY**

**Title of the Project**

**EXPLORING THE FRONTIERS OF SCIENCE: A TOUR OF LEADING RESEARCH  
INSTITUTES IN PUNE**

**PROJECT REPORT SUBMITTED  
BY**

**NAME : Kulsum Shah**

**CLASS : MSc Part - I Biotechnology**

**DIV : E ROLL NUMBER : 413**

**ACADEMIC YEAR : 2022-2023**

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**HINDI VIDYA PRACHAR SAMITI'S  
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(AUTONOMOUS)**

**DEPARTMENT OF BIOTECHNOLOGY**

**Title of the Project**

**EXPLORING THE FRONTIERS OF SCIENCE: A TOUR OF LEADING RESEARCH  
INSTITUTES IN PUNE**

**PROJECT REPORT SUBMITTED**

**BY**

**NAME : Vinayak Patil**


**CLASS : MSc Part - I Biotechnology**

**DIV : E ROLL NUMBER : 414**

**ACADEMIC YEAR : 2022-2023**



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**HINDI VIDYA PRACHAR SAMITI'S  
RAMNIRANJAN JHUNJHUNWALA COLLEGE OF ARTS, SCIENCE & COMMERCE  
(AUTONOMOUS)**

**DEPARTMENT OF BIOTECHNOLOGY**

**Title of the Project**

**EXPLORING THE FRONTIERS OF SCIENCE: A TOUR OF LEADING RESEARCH  
INSTITUTES IN PUNE**

**PROJECT REPORT SUBMITTED  
BY**

**NAME : Jyotiraditya Kamble**


**CLASS : MSc Part - I Biotechnology**

**DIV : E ROLL NUMBER : 416**

**ACADEMIC YEAR : 2022-2023**



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**HINDI VIDYA PRACHAR SAMITI'S  
RAMNIRANJAN JHUNJHUNWALA COLLEGE OF ARTS, SCIENCE & COMMERCE  
(AUTONOMOUS)**

**DEPARTMENT OF BIOTECHNOLOGY**

**Title of the Project**

**EXPLORING THE FRONTIERS OF SCIENCE: A TOUR OF LEADING RESEARCH  
INSTITUTES IN PUNE**

**PROJECT REPORT SUBMITTED  
BY**

**NAME : Annu Tiwari**

**CLASS : MSc Part - I Biotechnology**

**DIV : E ROLL NUMBER : 420**

**ACADEMIC YEAR : 2022-2023**



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**HINDI VIDYA PRACHAR SAMITI'S  
RAMNIRANJAN JHUNJHUNWALA COLLEGE OF ARTS, SCIENCE & COMMERCE  
(AUTONOMOUS)**

**DEPARTMENT OF BIOTECHNOLOGY**

**Title of the Project**

**EXPLORING THE FRONTIERS OF SCIENCE: A TOUR OF LEADING RESEARCH  
INSTITUTES IN PUNE**

**PROJECT REPORT SUBMITTED  
BY**

**NAME : Mihika Santosh**


**CLASS : MSc Part - I Biotechnology**

**DIV : E ROLL NUMBER : 421**

**ACADEMIC YEAR : 2022-2023**



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**Principal**  
Ramniranjan Jhunjhunwala College,  
Ghatkopar (W), Mumbai-400086.

08<sup>th</sup> September 2022

Ms. Namita Singh

Ramniranjan Jhunjhunwala College

## TO WHOEVER IT MAY CONCERN

This is to officially certify that Ms. Namita Singh has completed project in Cipla R&D from 01<sup>st</sup> June 2022 to 07<sup>th</sup> September 2022. In these months she has been a part of the Formulation ADL Department.

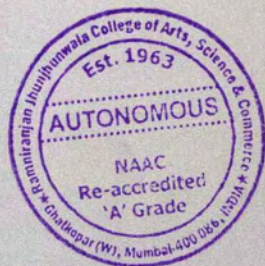
Her performance has been found to be good and satisfactory during the internship tenure.

**With Warm Regards,**

**Yours sincerely,**

**Prashant Pal**

**Head HR - IPD**



**Certified as  
TRUE COPY**

  
**Principal**

**Ramniranjan Jhunjhunwala College,  
Ghatkopar (W), Mumbai-400086.**





**Advanced Centre for Treatment Research &  
Education in Cancer**

**Tata Memorial Centre**

**Dr. Abhijit De** MPhil, PhD

Principal Investigator & Scientific Officer 'G'


**CERTIFICATE OF MASTERS THESIS RESEARCH PROJECT COMPLETION**

This is to certify that Ms. Dhanya Nilesh Poojary M.Sc. 2<sup>nd</sup> year student affiliated with Department of Biotechnology, Ramniranjan Jhunjhunwala College, Ghatkopar(W), Mumbai who was admitted for research training program from May 17, 2022 to October 14, 2022 at ACTREC has successfully completed his MSc dissertation research under my supervision and guidance. She worked on a short project entitled 'Use of novel Phospho-BRET Biosensor to study <sup>SIHT3</sup> protein activation in breast cancer cell line" by joining Molecular Functional Imaging Lab at ACTREC, Navi Mumbai.

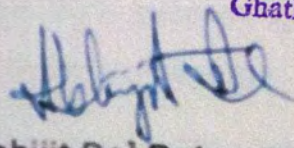
Her work report represents the experiments and the comprehensive literature survey carried out by her during the above-mentioned period. I further certify that the work done is original and thoroughly conducted by her.



**Certified as  
TRUE COPY**

  
**Principal**  
Ramniranjan Jhunjhunwala College,  
Ghatkopar (W), Mumbai-400086.

Place: Kharghar, Navi Mumbai

  
[Dr. Abhijit De] **Date:** November 07, 2022

Head, Molecular Functional Imaging Laboratory  
Chairperson, Academic Committee, Life Science  
In Charge, Molecular Imaging Core Facility

ACTREC, Tata Memorial Centre

**Dr. ABHIJIT DE**  
Scientific Officer 'G'  
ACTREC TATA Memorial Centre  
Sector - 22, Kharghar  
Navi Mumbai - 410210

Phone: 22-27405038

KS 232c, Kharghar, Sector 22, Navi Mumbai, PIN 410210, INDIA

Tel: +91-22-2745038 (office); Fax: +91-22-2749585; Email: [ade@actrec.gov.in](mailto:ade@actrec.gov.in)



Geo-Chem Laboratories Pvt. Ltd, Kanjur Marg, Mumbai 400 042

## CERTIFICATE

This certificate is awarded to

# Ms. Divya Pingale

who has successfully completed the project on

"Determination of Histamine in Fish & Fishery Products  
(Fish meal) by HPLC"

held at our laboratory from  
July 2022 to September 2022 .

Sheetal Patil  
Manager - Quality Assurance



GC/EXT/QA/2022-23/03



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TEL: 022-2779 6660 (61/62/63/64)  
Burns Helpline : 022-27793333 Fax : 022-2779 4227  
E-mail : nbcairoli@gmail.com Website : www.burns-india.com



Date: 4<sup>th</sup> November 2022

### CERTIFICATE

This is to certify that the research work presented in this thesis entitled "Evaluation of genes upregulated in scar tissues" submitted towards the partial fulfilment for the award of degree of the Masters of Science in Biotechnology, from **Department of Biotechnology, Ramniranjan Jhunjhunwala College, Mumbai** is the result of bonafide work compiled by **Ms. Riddhi Bharat Vishwakarma** carried out under the guidance of **Dr. Sunil M. Keswani** and **Dr. Prema Chaudhary** at **Skin Regeneration and Stem cell Therapy laboratory, The National Burns Centre, Airoli, Navi Mumbai** in the academic year of 2022-23 from 1<sup>st</sup> June 2022 to 31<sup>st</sup> October 2022.

This work is based on guidelines given by National Burns Centre, Indian Burns Research Society. The work presented herein is original and has not been submitted previously for the award of any other degree or diploma of the National Burns Center or any other university. Further, she was regular and hardworking student and we wish her the very best wishes for all her future endeavors.

Dr. Sunil M Keswani  
Project Guide  
(Medical Director)



Dr. Prema Chaudhary  
Project Co-Guide  
(Sr. Research Officer)

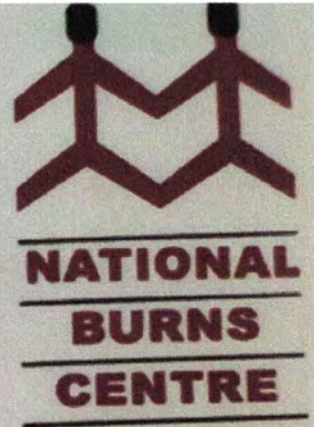


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TEL : 022-2779 6660 (61/62/63/64)  
Burns Helpline : 022-27793333 Fax : 022-2779 4227  
E-mail : nbcairoli@gmail.com Website : www.burns-india.com

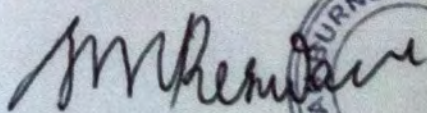


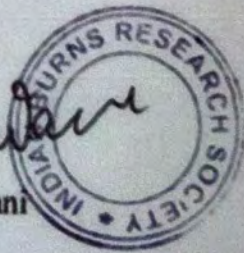
Date: 4<sup>th</sup> November 2022

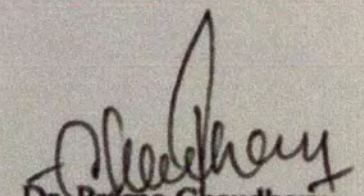
### CERTIFICATE

This is to certify that the research work presented in this thesis entitled "Elucidating the fate of melanogenesis related genes involved in post burn hypopigmentation" submitted towards the partial fulfilment for the award of degree of the Masters of Science in Biotechnology, from Department of Biotechnology, Ramniranjan Jhunjhunwala College, Mumbai is the result of bonafide work compiled by Ms. Vaishnavi Vikram Menon carried out under the guidance of Dr. Sunil M. Keswani and Dr. Prerna Chaudhary at Skin Regeneration and Stem cell Therapy laboratory, The National Burns Centre, Airoli, Navi Mumbai in the academic year of 2022-23 from 1<sup>st</sup> June 2022 to 31<sup>st</sup> October 2022.

This work is based on guidelines given by National Burns Centre, Indian Burns Research Society. The work presented herein is original and has not been submitted previously for the award of any other degree or diploma of the National Burns Center or any other university. Further, she was regular and hardworking student and we wish her the very best wishes for all her future endeavors.

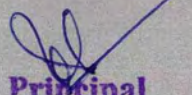
  
Dr. Sunil M Keswani  
Project Guide  
(Medical Director)



  
Dr. Prerna Chaudhary  
Project Co-Guide  
(Sr. Research Officer)



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Principal  
Ramniranjan Jhunjhunwala College,  
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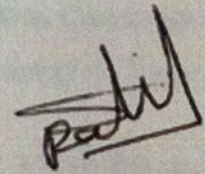
**CERTIFICATE OF MASTERS THESIS RESEARCH PROJECT COMPLETION**

This is to certify that,

Mr. Sahil Sanjay Nalawade student of M.Sc. Part II Biotechnology Ramniranjan Jhunjhunwala (Autonomous) College of Arts, Science & Commerce, Mumbai has satisfactorily completed the project entitled "Studies on Encapsulation Technologies For The Formulation of Cognitive Herbal Product" at OmniActive Health Technologies Limited, Thane., In the academic year 2022-2023.

Place: Thane

Date: 07<sup>th</sup> November 2022



**Dr. Sumit Patil**

Director

Research and Development

OmniActive Health Technologies, Thane



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Ramniranjan Jhunjhunwala College,  
Ghatkopar (W), Mumbai-400086.



Geo-Chem Laboratories Pvt. Ltd, Kanjur Marg, Mumbai 400 042

## CERTIFICATE

This certificate is awarded to

# Ms. Sujata Vishwakarma

who has successfully completed the project on

"Detection & Quantification of Aflatoxins in Food raw material by  
HPLC-FLD"

held at our laboratory from  
May 2022 to August 2022 .

Sheetal Patil  
Manager - Quality Assurance



GC/EXT/QA/2022-23/02



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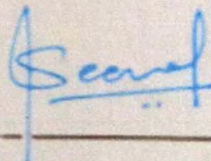
**Principal**

**Ramniranjan Jhunjhunwala College,  
Ghatkopar (W), Mumbai-400086.**

TO WHOM IT MAY CONCERN

We certify that Ms. Shambhavee Shahane, student of **Biotechnology** from Ramniranjan Jhunjhunwala College, Mumbai, has undergone training in the Department of **Molecular Biology** at **Envirocare Labs Pvt Ltd** from **24<sup>th</sup> May 2022 to 30<sup>th</sup> September 2022.**

We wish her success in all the future endeavours.



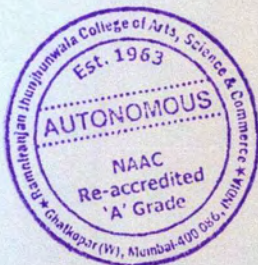
Deenal C. Shah  
Human Resources



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**INSTITUTE OF MEDICAL SCIENCE  
BANARAS HINDU UNIVERSITY  
VARANASI**



**SUBMISSION CERTIFICATE**

This is to certify that the project work on "Isolation, identification, purification and bulk production of bacteriophage against pathogenic bacteria for the treatment of chronic wound infections" has been submitted by the candidate, for evaluation and viva examination.

**Name of Student: - Ms. Aakanksha Shivshankar Singh**

**Course: - Master's of science in Biotechnology**

**Session: - 2021-2023**

**Year of Dissertation: - 2022**

**Date of Submission:-**

**EVALUATION AND VIVA EXAMINATION**

**Name of Members**

**Position**

**Signature**

**Prof. (Dr.) Pradyot Prakash**

**Guide**

MD, Ph.D., MBBS.,

Department of Microbiology,

Institute of Medical Sciences,

Banaras Hindu University

**Dr. Mayank Gangwar**

**Co-Guide**

Scientist-C, VRDL,

Department of Microbiology,

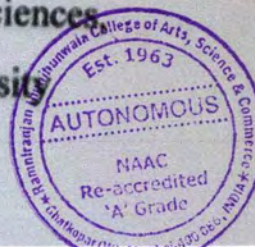
Institute of Medical Sciences

Banaras Hindu University

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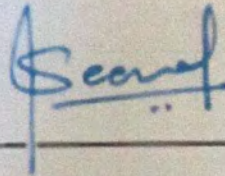
**Ramniranjan Jhunjhunwala College,  
Ghatkopar (W), Mumbai-400086.**



**TO WHOM IT MAY CONCERN**

We certify that **Ms. Jyoti Sahani**, student of **Biotechnology** from **Ramniranjan Jhunjhunwala College, Mumbai**, has undergone training in the Department of **Molecular Biology** at **Envirocare Labs Pvt Ltd** from **24<sup>th</sup> May 2022 to 30<sup>th</sup> September 2022**.

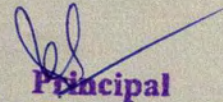
We wish her success in all the future endeavours.



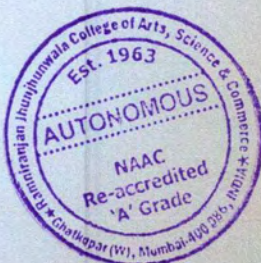
**Deenal C. Shah**  
**Human Resources**



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**Advanced Centre for Treatment Research & Education  
in Cancer**

**Tata Memorial Centre**

**Dr. Abhijit De** MPH, PhD

Principal Investigator & Scientific Officer 'G'

**CERTIFICATE OF MASTERS THESIS  
RESEARCH PROJECT COMPLETION**

This is to certify that Mr. Abhishek Rajaram Randive, M.Sc. 2<sup>nd</sup> year student affiliated with Department of Biotechnology, Ramniranjan Jhunjhunwala College, Ghatkopar(W), Mumbai who was admitted for research training program from May 17, 2022 to September 30, 2022 at ACTREC has successfully completed his MSc dissertation research under my supervision and guidance. He worked on a short project entitled 'Expression, Purification, and Characterization of a fungal luciferase protein isolated from *Neonothopanus nambi*' by joining Molecular Functional Imaging Lab at ACTREC, Navi Mumbai.

His work report represents the experiments and the comprehensive literature survey carried out by him during the above-mentioned period. I further certify that the work done is original and thoroughly conducted by him.

[Dr. Abhijit De]

*Head, Molecular Functional  
Imaging Laboratory  
Chairperson, Academic  
Committee, Life Science In  
Charge, Molecular Imaging  
Core Facility ACTREC, Tata  
Memorial Centre*

Phone: 22-27405038

Place: Kharghar, Navi Mumbai

Date: November 02, 2022

**Dr. ABHIJIT DE**  
Scientific Officer 'G'  
ACTREC TATA Memorial Centre  
Sector - 22, Kharghar  
Navi Mumbai - 410210

KS 232c, Kharghar, Sector 22, Navi Mumbai, PIN 410210, INDIA

Tel: +91-22-2745038 (office); Fax: +91-22-2749585;

Email: [ade@actrec.gov.in](mailto:ade@actrec.gov.in)

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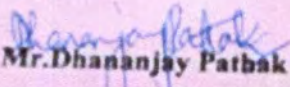
Principal

Ramniranjan Jhunjhunwala College,  
Ghatkopar (W), Mumbai-400086.

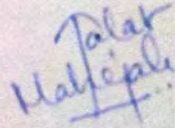


SUBMISSION CERTIFICATE

This is to certify that Miss SHREYA DUBEY, student of RAMNIRANJAN JHUNJHUNWALA COLLEGE, GHATKOPAR (W), has successfully completed her project work on "CYTOGENOMIC ANALYSIS OF AMNIOTIC FLUID SPECIMENS WITH ABNORMAL ULTRASONOGRAPHY AND HIGH RISK IN MATERNAL SERUM MARKER SCREENING" in partial fulfilment of the requirement for the award of the degree of MASTERS OF SCIENCE IN BIOTECHNOLOGY at METROPOLIS HEALTHCARE LTD (VIDYAVIHAR) from 25<sup>th</sup> JUNE 2022 to 9<sup>th</sup> NOVEMBER 2022, under the guidance of Mr.DHANANJAY PATHAK (Sr. Analyst) & Dr. TALAT KHAN(Head of medical genetics)

  
Mr.Dhananjay Pathak


Sr.Analyst  
(Project guide)  
Signature



Dr.Talat Khan  
Head of Department  
(Project Co-guide)  
Signature



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**METROPOLIS**  
The Pathology Specialist

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Central Laboratory: 4th Floor, Commercial Building-1A, Kohnaar Hut  
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GOVERNMENT OF INDIA, DEPARTMENT OF ATOMIC ENERGY  
**RADIATION PROCESSING PLANT**

BRIT/BARC Vashi Complex, Sector-20, Vashi, Navi Mumbai-400703

Tel: 02227887405, email: kumbhare@britatom.gov.in, web: [www.britatom.gov.in](http://www.britatom.gov.in)

**MILIND KUMBHARE**

Manager, Microbiology, RPP, BRIT

**October 27, 2022**

**TO WHOMSOEVER IT MAY CONCERN**

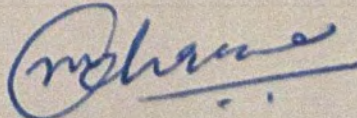
This is to certify that, **Ms. PRIYA CHANDRASHEKHAR TRIPATHI; M.Sc.** Part II Biotechnology student of Ramniranjan Jhunjhunwala (Autonomous) College of Arts, Science & Commerce has satisfactorily completed her project entitled **“EFFECT OF BACTERIAL PIGMENT EXTRACT ON RADIATION SENSITIVITY OF MICROORGANISMS”** at Microbiology Laboratory, Radiation Processing Plant, and Board of Radiation & Isotope Technology during the academic year 2022 - 2023.

She was found to be sincere, hardworking & dedicated to the assigned work. I wish success in her future endeavors.



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Principal

  
**MILIND KUMBHARE**

Ramniranjan Jhunjhunwala College,  
Ghatkopar (W), Mumbai-400086.



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TATA MEMORIAL HOSPITAL

AA No. 971314

प.ऊ.वि. भारत सरकार का एक सहायता अनुदान प्राप्त संस्थान  
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## CERTIFICATE OF COMPLETION

This is to certify that **Ms. Nimisha Lalit Sharma**, student of M.Sc. Biotechnology from HVPS's Ramniranjan Jhunjhunwala college (Autonomous), Ghatkopar, Mumbai, has successfully completed her dissertation on the project entitled "**Validation of DICER1 mutation detection in solid tumors using Sanger Sequencing**" under the guidance of **Dr.Omshree Shetty**, Scientific Officer in the Molecular Pathology Laboratory at Tata Memorial Hospital, Parel, Mumbai, from 1<sup>st</sup> May, 2022 – 30<sup>th</sup> October, 2022.

The work carried out in this project is submitted to Ramniranjan Jhunjhunwala College (Autonomous), Ghatkopar, Mumbai for the partial fulfilment of M.Sc. Degree in Biotechnology (By Paper) which is original and has not been submitted for any other degree to Mumbai University or any other university.

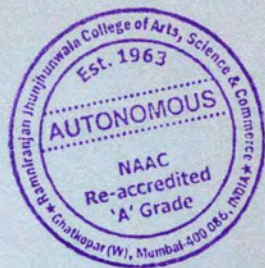
**Dr. Omshree Shetty,**

Asst. Professor & Scientific Officer 'E'

Molecular Pathology Laboratory

Department of Pathology,

Tata Memorial Hospital



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Ramniranjan Jhunjhunwala College,  
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Dr. E. Borges Marg, Parel  
Mumbai - 400 012, India.  
Phone: +91-22-2417 7000

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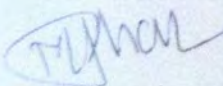
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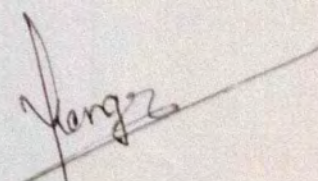
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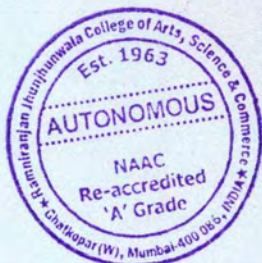
Date : 05-11-2022

This is to certify that, YADAV SHRIYA SURENDRA of M.Sc Part II, Biotechnology student of Ramniranjan Jhunjhunwala College, has satisfactorily carried out this dissertation work titled "SCREENING OF MICROALGAE FROM EXTREME CLIMATIC CONDITIONS FOR THEIR ANTIODORANT ACTIVITY" under the guidance Prof. (DR.) AJIT KENGAR and DR. M.A DEODHAR. This dissertation represents an original and independent work carried out by her for the partial fulfillment of the master's degree as prescribed by University of Mumbai, during the academic year 2022-2023.

  
Dr. M.A Deodhar  
Adjunct Professor  
Department of Botany



  
Prof. (Dr.) Ajit Kengar  
Head, Department of Botany



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Ref. No. VC/

Date 05/11/2022

This is to certify that, KHAN SHAHIN FASIULLAH of M.Sc. part-II, Biotechnology Student of Ramniranjan Jhunjhunwala College, has satisfactorily carried out this dissertation work titled "STANDARDIZATION OF THE PIGMENT EXTRACTION PROCESS FROM *PSEUDANABAENA LIMNETICA* AND *PSEUDANABAENA SPP.* USING DIFFERENT BUFFER SYSTEMS AND TO STUDY IT'S STABILITY IN VARIOUS POLYSACCHARIDES FOR IT'S INCORPORATION IN FOOD" under the guidance of PROF. (Dr.) AJIT KENGAR AND Dr. M.A. DEODHAR. This dissertation represents an original and independent work carried out by her for the partial fulfilment of the master's degree as prescribed by the university of Mumbai, during the academic year 2022-2023.

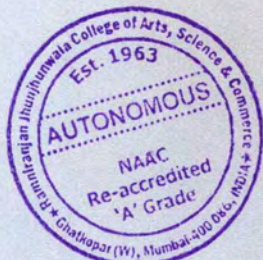
Dr. M.A. Deodhar  
Adjunct Professor,  
Department of Botany



Prof.(Dr.)Ajit Kengar  
Head Department of Botany,  
Research Guide in Biotechnology

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- FDA Approved Public Testing Laboratory for Cosmetics

Date: 28<sup>th</sup> September 2022

**CERTIFICATE**

This is to certify that **Ms. Ankita Biswas** student of M.Sc. Biotechnology, Ramniranjan Jhunjhunwala College, has successfully completed Research Project entitled, "**An Efficient In-vitro Propagation Of *Mentha Arvensis* Using Shoot Tip And Nodal Explant**" in KET's Scientific Research Centre, Mulund, Mumbai - 81 from 23<sup>rd</sup> May 2022 to 27<sup>th</sup> September 2022

During this period, she worked on Standardization of Micropropagation protocol for *Mentha*, Media Preparation, In-vitro Initiation, Multiplication and Rooting, Handling of Instruments and Equipments and Observed Plant Hardening Procedure in Green House, under the guidance of Ms. Mamta Patil, Scientist, Plant Biotechnology Department, KET's Scientific Research Centre, Mumbai.

The Dissertation work is original and is submitted to Ramniranjan Jhunjhunwala College for partial fulfillment of Degree of M.Sc. Biotechnology.

I wish her Success for her Future.

*M. Nagwekar*

**Mrs. Mamta Nagwekar**  
Project Guide  
In-charge Plant Biotechnology  
KET's Scientific Research Centre



*Siddhivinayak Barve*

**Dr. Siddhivinayak Barve**  
Director  
KET's Scientific Research Centre



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### CERTIFICATE

This is to certify that **Ms. Deepa Arvind Tiwari** student of M.Sc. Biotechnology, Ramniranjan Jhunjhunwala College, has successfully completed Research Project entitled,

**“Micropropagation of Commercially Valuable Ornamental Plant *Euphorbia***

***Pulcherrima (Poinsettia)*”** in KET's Scientific Research Centre, Mulund, Mumbai – 81 from 23<sup>rd</sup> May 2022 to 27<sup>th</sup> September 2022

During this period, she worked on Standardization of Micropropagation protocol for *Poinsettia*, Media Preparation, In-vitro Initiation, Multiplication and Rooting, Handling of Instruments and Equipments and Observed Plant Hardening Procedure in Green House, under the guidance of Ms. Mamta Patil, Scientist, Plant Biotechnology Department, KET's Scientific Research Centre, Mumbai.

The Dissertation work is original and is submitted to Ramniranjan Jhunjhunwala College for partial fulfillment of Degree of M.Sc. Biotechnology.

I wish her Success for her Future.

*M. Nagwekar*

Mrs. Mamta Nagwekar  
Project Guide  
In-charge Plant Biotechnology  
KET's Scientific Research Centre



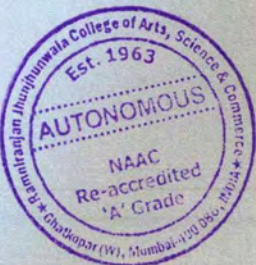
*Siddhivinayak Barve*

Dr. Siddhivinayak Barve  
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This is to certify that **Ms. Shabana Khatoon Islam Ali Ansari** student of M.Sc. Biotechnology, Ramniranjan Jhunjhunwala College, has successfully completed Research Project entitled, "**In-vitro Shoot Regeneration of Medicinally important *Stevia rebaudiana* through Nodal Explant**" in KET's Scientific Research Centre, Mulund, Mumbai - 81 from 23<sup>rd</sup> May 2022 to 27<sup>th</sup> September 2022

During this period, she worked on Standardization of Micropropagation protocol for *Stevia*, Media Preparation, In-vitro Initiation, Multiplication and Rooting, Handling of Instruments and Equipments and Observed Plant Hardening Procedure in Green House, under the guidance of Ms. Mamta Patil, Scientist, Plant Biotechnology Department, KET's Scientific Research Centre, Mumbai.

The Dissertation work is original and is submitted to Ramniranjan Jhunjhunwala College for partial fulfillment of Degree of M.Sc. Biotechnology.

I wish her Success for her Future.

*M. Nagwekar*

**Mrs. Mamta Nagwekar**  
Project Guide  
In-charge Plant Biotechnology  
KET's Scientific Research Centre



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**Dr. Siddhivinayak Barve**  
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