

**1.3.4.1: Number of students undertaking field project or research projects or internships****Amity Institute of Biotechnology**

<b>Program Code</b>	<b>Programme Name</b>	<b>Name of the students</b>
14044	B.Sc. (Hons.) Biotechnology	Samridhi Gaur
14044	B.Sc. (Hons.) Biotechnology	Vanshika Kumari
14044	B.Sc. (Hons.) Biotechnology	Sandhya Yadav
14044	B.Sc. (Hons.) Biotechnology	Sharon Francis
14044	B.Sc. (Hons.) Biotechnology	Abhishek Yadav
14041	B.Tech. Biotechnology	Aashruti Bhadoria
14041	B.Tech. Biotechnology	Aditya Pratap Singh Rajawat
14041	B.Tech. Biotechnology	Diksha Katiyar
14041	B.Tech. Biotechnology	Ishita Chaudhary
14041	B.Tech. Biotechnology	Aashruti Bhadoria
14041	B.Tech. Biotechnology	Gratik Bhargava
14041	B.Tech. Biotechnology	Lakshyant Dubey
14041	B.Tech. Biotechnology	Anshul Pandey
14041	B.Tech. Biotechnology	Shivangi Bansal
14041	B.Tech. Biotechnology	Ekta Jain
14041	B.Tech. Biotechnology	Saumya Dubey
14041	B.Tech. Biotechnology	Mitali Khanchandani
14041	B.Tech. Biotechnology	Radhika Jhavar
14002	M.Sc. Biotechnology	Gargi Shrivastava
14002	M.Sc. Biotechnology	Harleen Rathore
14002	M.Sc. Biotechnology	Harshita Yadav
14002	M.Sc. Biotechnology	Prajakta More
14002	M.Sc. Biotechnology	Prashant Mishra
14002	M.Sc. Biotechnology	Nikhil Kumar
14002	M.Sc. Biotechnology	Priya Singh
14002	M.Sc. Biotechnology	Shatabdi Das
14002	M.Sc. Biotechnology	Subhash Yadav
14002	M.Sc. Biotechnology	Umesh Sharma
14002	M.Sc. Biotechnology	Nikhil Kumar
14002	M.Sc. Biotechnology	Aradhana Gupta
14002	M.Sc. Biotechnology	Alka Parashar

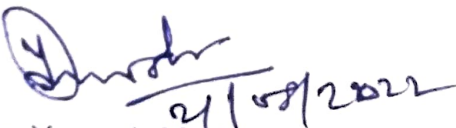


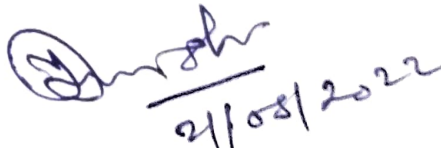
DEPARTMENT OF BOTANY  
Institute of Science  
Banaras Hindu University  
Varanasi – 221005



CERTIFICATE

This is to certify that the dissertation entitled, “**Expression analysis of two bZIP transcription factors of *Dumortiera hirsuta* in four different growing seasons**” submitted by **Miss Samridhi Gaur**, a student of B.Sc (VI Semester, Biotechnology), Department of Botany, Institute of Science, Banaras Hindu University, Varanasi is an original work carried out under my supervision. She has been in my laboratory from 21-03-2022 to 21-05-2022 to complete her dissertation. The dissertation represents independent work carried out by the candidate.

  
21/05/2022  
Dr. Yogesh Mishra  
Assistant Professor  
Department of Botany  
Institute of Science  
Banaras Hindu University  
Varanasi - 221005

  
21/05/2022  
Dr. Yogesh Mishra  
Assistant Professor  
Institute of Science  
Department of Botany  
Banaras Hindu University (BHU)

काशी हिन्दू  
विश्वविद्यालय



BANARAS HINDU  
UNIVERSITY



AN INSTITUTION OF NATIONAL IMPORTANCE ESTABLISHED BY AN ACT OF PARLIAMENT

प्रो० रवि कुमार अस्थाना  
वनस्पति विज्ञान विभाग, विज्ञान संस्थान  
**Prof. RAVI KUMAR ASTHANA**  
DEPARTMENT OF BOTANY, INSTITUTE OF SCIENCE

**R. K. ASTHANA, Ph.D. FNASC.**

**Professor**

INSA JSPS (Japan),

INSA-KOSEF (Korea) Fellow

Commonwealth Academic Staff Fellowship Awardee. (UK)

Tel. (O): 91-0542-6701101; 2300182

asthana.ravi@gmail.com

Mob. 9454161038

Dated: 21/05/2022

## CERTIFICATE

This is to certify that Ms Vanshika Kumari (Enrollment No. A60104419001), a student of B.Sc. (Hons) Biotechnology, VI<sup>th</sup> Semester of Amity Institute of Biotechnology, Amity University Madhya Pradesh carried out her project entitled "Photo-autotrophic growth of a cyanobacterium *Arthrospira platensis* under salinity stress" from 21<sup>st</sup> March 2022 to 21<sup>st</sup> May 2022, under my supervision. She has also learnt various techniques of molecular biology as well as basic bioinformatics in the laboratory.

To the best of my knowledge she is energetic, hardworking and bears good moral character.

I wish every success to her present and future endeavors.

R. K. ASTHANA  
21/05/22

(Ravi Kumar Asthana) **PROF. R.K. ASTHANA**  
Centre of Advanced Study in Botany  
Institute of Science  
Banaras Hindu University  
Varanasi-221005, India



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E: asthana.ravi@gmail.com, applmicrobhu@bhu.ac.in  
applmicrobhu@gmail.com



**SCHOOL OF STUDIES IN BOTANY, JIWAJI UNIVERSITY, GWALIOR - 474011 (M.P.) INDIA**

**( DST-FIST supported and Approved Centre of Excellence by MPHEQIP - Bhopal )**

**Dr. Mahendra K. Gupta**

Professor & Head

Off. : 0751-2442734, 2442881

Mob. : 9425158048, 8839781076

e-mail : mkgsac@yahoo.com

sos.botanyju@gmail.com

~~Former~~-Coordinator, School of Studies in Microbiology

~~Former~~-Chairman, Board of Studies in Botany

~~Former~~-Chairman, Board of Studies in Microbiology

Date...31/05/2022

### CERTIFICATE

This is to certify that **Ms Sandhya Yadav**, Bachelor of Science (Hons.) in Biotechnology VI semester, student of Amity Institute of Biotechnology, Amity University, Madhya Pradesh, Gwalior, has been carried out her project work entitled, '**Isolation and Characterization of Heavy Metal Tolerance and Antibiotic Resistant Bacteria from Soil Sample**' under my supervision at School of Studies in Botany (Microbiology Laboratory), Jiwaji University, Gwalior from 21<sup>st</sup> March to 27<sup>th</sup> May, 2022.

*M.K.G.*  
31/5/2022

**Mahendra K Gupta**



**JIWAJI UNIVERSITY, GWALIOR**

(Established in 1964)

*NAAC Accredited 'A' Grade University*

**Mrs.) Sadhana Shrivastava**  
Senior Scientific Officer, USIC

## CERTIFICATE

This is to certify that the dissertation entitled, “**Phytochemical estimation of hydro alcoholic extract of *Elletaria cardomomum* and its antimicrobial effects**” submitted by **Miss Sharon Francis**, student of B.Sc. (H) Biotechnology, VI Semester, “Amity Institute of Biotechnology, Amity University Madhya Pradesh”, did her work under my supervision in laboratory “Department of Zoology, Jiwaji University Gwalior”. She has been in my laboratory from 21-03-2022 to 27-05-2022 to complete her dissertation. The dissertation represents independent effort carried out by the candidate.

*Sadhana*

**Dr. Sadhana Shrivastava**

Senior scientific officer,

University scientific

Instrumentation Centre, Jiwaji University



**JIWAJI UNIVERSITY, GWALIOR**  
(Established in 1964)  
NAAC Accredited 'A' Grade University

**Dr. (Mrs.) Sadhana Shrivastava**  
Senior Scientific Officer, USIC

## CERTIFICATE

This is to certify that the dissertation entitled, "Assessment of preventive effects of cardamomum extract on cancer cell lines" submitted by **Mr. Abhishek Yadav**, student of B.Sc. (H) Biotechnology, VI Semester, "Amity Institute of Biotechnology, Amity University Madhya Pradesh", did his work under my supervision in laboratory "Department of Zoology, Jiwaji University Gwalior". He has been in my laboratory from 21-03-2022 to 27-05-2022 to complete his dissertation. The dissertation represents independent effort carried out by the candidate.

*Sadhana*

**Dr. Sadhana Shrivastava**

Senior scientific officer,

University scientific

Instrumentation Centre, Jiwaji University



## Hansraj College

University of Delhi  
Mahatma Hansraj Marg, Malka Ganj  
Delhi - 110007

## हंसराज महाविद्यालय

दिल्ली विश्वविद्यालय  
महात्मा हंसराज मार्ग, मल्कागंज  
दिल्ली 110007

Phone: 27667747, 27667458  
28.05.2022

### Certificate

This is to certify that the work in the project report entitled **Identification and characterization of Allergenic proteins from Chickpea** by **Mr. Aditya Pratap Singh Rajawat** bearing enrollment number **A60104118012** is a bona fide record of project work carried out by his under my supervision from **March 01-May 28, 2022** for partial fulfilment of the requirement for the award of the degree of Bachelor of Technology in Biotechnology in the Amity Institute of Biotechnology, Amity University Madhya Pradesh, Gwalior. Neither this project nor any part of it has been submitted for any degree or academic award elsewhere.

**Dr. (Mrs.) Archana Singh**

Associate Professor  
Department of Botany  
Hansraj College  
University of Delhi  
Delhi-110007

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E-mail: principal\_hrc@yahoo.com Tel: +91-11-27667458, +91-11-27667747



सीएसआईआर-एम्प्री  
CSIR-AMPRI

Dr. Surender Kumar,  
Scientist,  
Advanced Materials and Processes Research Institute (AMPRI)  
Near Habibganj Naka, Hoshangabad Road,  
Bhopal - 462026, (Madhya Pradesh) INDIA  
Email: [surenderianagal@gmail.com](mailto:surenderianagal@gmail.com), [surender@ampri.res.in](mailto:surender@ampri.res.in)

## Internship Certificate

Date: 01<sup>st</sup> June 2022

This is to certify that the internship report entitled "*Electrochemical 3D printed silver nanoparticles for investigation of pharmaceutical drug*" Submitted by **Diksha Katiyar** (A60104118006) D/O **Anil Katiyar** to the **Amity University, Madhya Pradesh** for the partial fulfilment of requirements of **Bachelor of Technology in Biotechnology** for the session **2018-2022** is a bona fide record of internship work carried out by her under my supervision at CSIR-Advanced Materials and Processes Research Institute (CSIR-AMPRI), Bhopal. Her internship was started from 21<sup>st</sup> March, 2022 and was completed on 27<sup>th</sup> May, 2022. The contents of this internship work, in full or in parts, have not been submitted to any other institutes or universities, other than the aforementioned institutes, for the award of any degree or diploma. She was working in a team to fulfill the objectives of on-going project. She is not allowed to publish/present the results of her work in any journal or conference. This certificate is issued on request to fulfill the academic requirements only; it should not be considered as an experience certificate. I wish her all success in his future career.

  
01/06/2022  
Dr. Surender Kumar, Scientist  
Advanced Materials and Processes Research Institute (AMPRI)  
Council of Scientific & Industrial Research (CSIR)  
Ministry of Science and Technology, Govt. of India  
Near Habibganj Naka, ATMS Road, Bhopal-462026 (INDIA)



# JIWAJI UNIVERSITY, GWALIOR

City Center, Gwalior - 474011 (India)

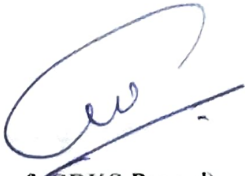
## Institute of Ayurveda & Research Certificate

Prof. GBKS Prasad  
Coordinator

01.06.22

Date : .....

This is certify that Ms.Ishita Chaudhary, a student of Amity University, Gwalior completed her dissertation titled "Phytochemical analysis of solvent extract of *Tagetes erecta* and preparation of nanoparticles" at Centre for Ayurvedic Translational Research, Jiwaji University for partial fulfilment of B.Tech degree in Biotechnology of Amity University, Gwalior.. The observations depicted in the dissertation during his four weeks stay at the Centre confirmed the earlier studies conducted at the Centre.

  
(Prof. GBKS Prasad)  
Guide



# सत्यवती कॉलेज Satyawati College

अशोक विहार, फेज-III, दिल्ली-110052

ASHOK VIHAR, PHASE-III, DELHI-110052

Website : [www.satyawati.du.ac.in](http://www.satyawati.du.ac.in), E-mail : [principal@satyawati.du.ac.in](mailto:principal@satyawati.du.ac.in)

Fax / फ़ैक्स : +91-27446953, Phone / फ़ोन : +91-11-27240406, +91-11-27219570

**NAAC ACCREDITED "A" GRADE**

## CERTIFICATE

This is to certify that Ms. Aashruti Bhadoria (Enrollment No. A60104118014) student of B.Tech. Biotechnology VIII semester, Amity University, Madhya Pradesh has done her summer internship project entitled 'Effect of Non-Ionizing Electromagnetic radiation on Innate Immune Response' under my guidance, during the period of 21 March 2022 – 27 May 2022 at Department of Environmental Studies, Satyawati College, University of Delhi. The work was satisfactory. She has shown complete dedication and devotion to the given project work.

*Dr. Rajeev Singh*  
27/5/2022

Dr. Rajeev Singh  
Assistant Professor  
Department of Environmental Studies

# JIWAJI UNIVERSITY, GWALIOR

City Center, Gwalior - 474011 (India)

Institute of Ayurveda & Research

Prof. GBKS Prasad  
Coordinator

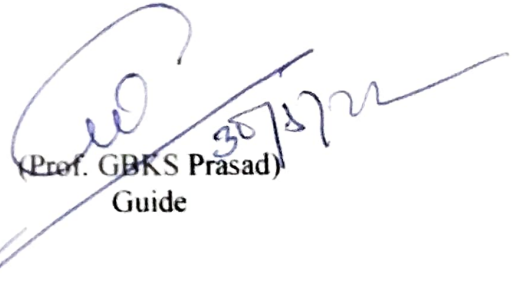
## Certificate

Date : .....

30.5.22

This is certify that Mr.GratikBhargava, a student of Amity University, Gwalior completed his dissertation titled "In silico protein ligand docking analysis of phytochemical compounds of *Cocciniaindica* and *Anethumsowawith* drug targets of human diabetes and PCOS – A Preliminary study" at Centre for Ayurvedic Translational Research, Jiwaji University for partial fulfilment of B.Tech degree in Biotechnology of Amity University, Gwalior.. The observations depicted in the dissertation during his four weeks stay at the Centre confirmed the earlier studies conducted at the Centre.

Meenakshi  
30/5/22  
(Dr.Meenakshi Pal Baghel)  
Co-guide

  
(Prof. GBKS Prasad)  
Guide



## Hansraj College

University of Delhi  
Mahatma Hansraj Marg, Malka Ganj  
Delhi - 110007

## हंसराज महाविद्यालय

दिल्ली विश्वविद्यालय  
महात्मा हंसराज मार्ग, मल्कागंज  
दिल्ली 110007

Phone: 27667747, 27667458

Date: 28.05.22

### CERTIFICATE

This is to certify that the work in the project report entitled “**PR-1 proteins of Tomato: Defensins or allergens**” by **Mr. Lakshyant Dubey** bearing enrollment number **A60104118002** is a bona fide record of project work carried out by him under my supervision from **March 21 to May 27, 2022**. For partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Biotechnology in the Amity Institute of Biotechnology, Amity University Madhya Pradesh, Gwalior. Neither this project nor any part of it has been submitted for any degree or academic award elsewhere.

Dr. (Mrs.) Archana Singh  
Associate Professor  
Department of Botany  
Hansraj College University of Delhi  
Delhi-110007

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E-mail: principal\_hrc@yahoo.com Tel: +91-11-27667458,  
+91-11-27667747



**DEPARTMENT OF BIOTECHNOLOGY  
BIOINFORMATICS CENTRE (SUB-DIC)  
BARKATULLAH VISHWANAYALAYA, BHOPAL-462026 (M.P.) INDIA**

Ref. /Biotech/B.U./

Date

Ref. 41 /Biotech/B.U./22

Date 27/5/2022

**CERTIFICATE**

This is to certify that ANSHUL PANDEY (Enrollment no. AA0104110015), *Bachelor of technology in Biotechnology*, Amity Institute of Biotechnology, Amity University Madhya Pradesh, Gwalior., has done his Integrated Project entitled "*Bioinformatics approach using Modelling and Patchdock: Find the best effective drug against docking of aspartate 1-decarboxylase in various bacteria*" under my guidance and supervision during "21 March to 27 May, 2022". Neither this project nor any part of it has been submitted for any degree or academic award elsewhere. The work was satisfactory. He has shown complete dedication and devotion to the given project work.

Signature of Supervisor  
**Dr. Durgesh Gupta**  
Technical Assistant  
SUB-DIC, Bioinformatics Centre,  
Barkatullah University Bhopal, Madhya Pradesh

**सहोपाचार्य प्रमुख  
जैवसूचना केंद्र  
बिआर-462026**

Signature of Head of the Department  
**Dr. (Prof.) Ragini Gothwal**  
Head and coordinator  
Department of Biotechnology,  
SUB-DIC, Bioinformatics Centre,  
Barkatullah University Bhopal, Madhya Pradesh

**सहोपाचार्य प्रमुख  
जैवसूचना केंद्र  
बिआर-462026**



देशबन्धु महाविद्यालय  
(दिल्ली विश्वविद्यालय)  
*Deshbandhu College*  
(University of Delhi)



## Certificate

This is to certify that the project report entitled "*Systematic In-silico Analysis for the Prognosis of Relapse-Free Survival and Molecular Docking Studies of Anti-apoptotic BCL-2 Gene Family in Breast Cancer*" by **Shivangi Bansal** (Enrol. No. A60104118009) for the partial fulfilment of the requirements of the degree Bachelor of Technology in Biotechnology, Amity Institute of Biotechnology, Amity University Madhya Pradesh, Gwalior is a record of the original bonafide work carried out by her under my supervision. The report has reached the requisite standards for submission. Neither this project nor any part of it has been submitted for any degree or academic award elsewhere.

*External Supervisor*

*Dr. Indrakant K. Singh*  
30.5.22

**Dr. Indrakant K. Singh**  
Associate Professor &  
Head, DBC i4 Centre  
Department of Zoology,  
Deshbandhu College,  
New Delhi 110019



# सत्यवती कॉलेज Satyawati College

अशोक विहार, फेज-III, दिल्ली-110052

ASHOK VIHAR, PHASE-III, DELHI-110052

Website : [www.satyawati.du.ac.in](http://www.satyawati.du.ac.in), E-mail : [principal@satyawati.du.ac.in](mailto:principal@satyawati.du.ac.in)

Fax / फॅक्स : +91-27446953, Phone / फोन : +91-11-27240406, +91-11-27219570

**NAAC ACCREDITED "A" GRADE**

## CERTIFICATE

This is to certify that Ms. Ekta Jain (Enrollment No. A601041180007) student of B.Tech. Biotechnology VIII semester, Amity University, Madhya Pradesh has done her summer internship project entitled 'Investigation of Microbial Indoor Air Quality in Educational building via using microbiological, Biochemical and molecular approaches' under my guidance, during the period of 21 March 2022 – 17 May 2022 at Department of Environmental Studies, Satyawati College, University of Delhi. The work was satisfactory. She has shown complete dedication and devotion to the given project work.

*[Signature]*  
27/5/2022

r. Rajeev Singh  
Assistant Professor  
Department of Environmental Studies



## Hansraj College

University of Delhi  
Mahatma Hansraj Marg, Malka Ganj  
Delhi - 110007

हंसराज महाविद्यालय

दिल्ली विश्वविद्यालय  
महात्मा हंसराज मार्ग, मल्कागंज  
दिल्ली 110007

Phone: 27667747, 27667458

Date: 28.05.22

### CERTIFICATE

This is to certify that the work in the project report entitled “**Identification and characterization of Allergenic proteins from Vigna mungo**” by **Mr. Saumya Dubey** bearing enrollment number **A60104118008** is a bona fide record of project work carried out by her under my supervision from **March 21 to May 27, 2022**. For partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Biotechnology in the Amity Institute of Biotechnology, Amity University Madhya Pradesh, Gwalior. Neither this project nor any part of it has been submitted for any degree or academic award elsewhere.

*Archana*

Dr. (Mrs.) Archana Singh  
Associate Professor  
Department of Botany  
Hansraj College University of Delhi  
Delhi-110007





Dr. V. Baskar

Date: 29.05.2022

## CERTIFICATE

This is to certify that **Mitali Khanchandani (Enroll no: A60104118018)** student of **Bachelor of Technology in Biotechnology** from Amity University, Gwalior (M.P) has completed a two months training on “Genome wide survey of superoxide dismutase family genes in Kiwi (*Actinidia chinensis*)” under my guidance. The period of training was effective from 21<sup>st</sup> March to 27<sup>th</sup> May.

Her performance was good and satisfactory so as to fulfill all the requirements for successful completion of the training. Her interaction towards learning is exemplary. This document is a bonafide testimony of the training undergone and works carried out.

I wish her good luck for bright future endeavour.

Thanks

*V. Baskar*

Dr. V. BASKAR

Assistant Professor

Department of Biotechnology,

SriShakthi Institut eof Engineering and Technology

Coimbatore, Tamil Nadu, India

Email: [baskarbt07@gmail.com](mailto:baskarbt07@gmail.com)

Scholar: <https://scholar.google.com/citations?hl=en&user=lsRSFR0AAAAJ>

SCHOOL OF STUDIES IN BOTANY, JIWAJI UNIVERSITY, GWALIOR - 474011 (M.P.) INDIA  
( DST-FIST supported and Approved Centre of Excellence by MPHEQIP - Bhopal )

Dr. Mahendra K. Gupta

Professor & Head

Ph. 0751-2442734, 2442881

Mob. 9425158048, 8839781076

E-mail: mkgsac@yahoo.com

sos\_botanyju@gmail.com

Former-Coordinator, School of Studies in Microbiology

Former-Chairman, Board of Studies in Botany

Former-Chairman, Board of Studies in Microbiology

Date.....

### CERTIFICATE

This is to certify that **Ms Jyotismita Kundu**, B. Tech Biotechnology VIII semester, student of Amity Institute of Biotechnology, Amity University, Madhya Pradesh, Gwalior, has been carried out her project work entitled, '**Isolation and characterization of PGPR from rhizosphere soil and their heavy metal tolerance activity**' under my supervision at School of Studies in Botany (Microbiology Laboratory), Jiwaji University, Gwalior from 21<sup>st</sup> March to 27<sup>th</sup> May 2022.

  
Mahendra K Gupta



Dr. V. Baskar

Date: 29.05.2022

## CERTIFICATE

This is to certify that **Radhika Jhavar** (Enroll no: A60104118013) student of **Bachelor of Technology in Biotechnology** from Amity University, Gwalior (M.P) has completed a two months training on "**Genome wide analysis of abiotic stress responsive superoxide dismutase family genes in Coffee**" under my guidance. The period of training was effective from 21<sup>st</sup> March to 27<sup>th</sup> May.

Her performance was good and satisfactory so as to fulfill all the requirements for successful completion of the training. Her interaction towards learning is exemplary. This document is a bonafide testimony of the training undergone and works carried out.

I wish her good luck for bright future endeavour.

Thanks

*V. Baskar*

Dr. V. BASKAR

Assistant Professor

Department of Biotechnology,

SriShakthi Institute of Engineering and Technology

Coimbatore, Tamil Nadu, India

Email: [baskarbt07@gmail.com](mailto:baskarbt07@gmail.com)

Scholar: <https://scholar.google.com/citations?hl=en&user=IsRSFR0AAAAJ>



नेशनल फर्टिलाइजर्स लिमिटेड

(भारत सरकार का उपक्रम)

विजयपुर इकाई, विजयपुर - 473111

जिला गुना (म.प्र.)

दूरभाष 07544-273089/273050

फैक्स 07544 - 273089



National Fertilizers Limited

(A Govt. of India Undertaking)

Vijapur Unit Vijapur - 473111

Distt Guna (M.P.)

Phone 07544 - 273089/273050

Fax : 07544 - 273089

## CERTIFICATE

*Certified that Ms. Gargi Shrivastava, a Student of Amity University, Gwalior, undergone Practical / Vocational training in this organization from 21/01/2022 to 14/06/2022. Certified for academic purpose only. No obligations / Liabilities on the part of NFL.*

*Her Performance during the training was Very good & Conduct was certified.*

*The subject of special study project was "General Vocational Training" in Laboratory Department.*

*Date of Issue: 14/06/2022*



Sujit Kumar Jena  
Officer (HR)

एस. के. जेना  
S. K. Jena  
अधिकारी (मा.सं.वि.)  
Officer (HRD)

एनएफएल, विजयपुर इकाई

कॉर्पोरेट कार्यालय : ए-11, सेक्टर-24, नोएडा-201301 (उ.प्र.) दूरभाष : 0120-2412294, 2412445 फैक्स : 0120 - 2412397

Corporate Office A-11, Sector - 24, Noida - 201301(U.P.), Tel : 0120-2412294, 2412445 Fax : 0120 - 2412397

पंजीकृत कार्यालय : स्कोप कॉम्प्लेक्स, कोर 2, 7, इंस्टीट्यूशनल एरिया, लोधी रोड, नई दिल्ली - 110 003 दूरभाष : 24360066 फैक्स : 24361553

Regd Office : Scope Complex, Core III, 7, Institutional Area, Lodhi Road, New Delhi - 110 003 • Tel : 24360066 • FAX : 24361553

CIN : L74899DLI974GOI007417

Website : <http://www.nationalfertilizers.com>

Facebook : @nationalfertilizers



**DEPARTMENT OF BIOTECHNOLOGY  
BIOINFORMATICS CENTRE (SUB-DIC)  
BARKATULLAH VISHWAVIDYALAYA, BHOPAL-462026 (M.P.) INDIA**

Ref. 50/Biotech/B.U/22

Dated 16/06/22

**CERTIFICATE**

This is to certify that the dissertation work entitled "Study of Microbial Degradation of Bio-polymeric cellulosic waste from differently using packaging and serving materials " is carried out by Ms. Harleen Rathore, M.Sc. IV Semester bearing Enrollment No. A60100220011 for the partial fulfillment of the M.Sc. Biotechnology from Amity Institute of Biotechnology, Amity University, Gwalior, (M.P). She has performed research work from 1<sup>st</sup> Feb, 2022 to 15<sup>th</sup> June 2022 under the guidance of Dr. Yogita Basene and Dr. Ragini Gothwal, Department of Biotechnology, Barkatullah University, Bhopal. She has shown her keen interest and worked satisfactorily.

  
16/6/22

**Dr. Yogita Basene  
(Guest Faculty)**

  
16/06/22

**Prof. Ragini Gothwal  
(Head)**

HEAD  
Department of Biotechnology  
Barkatullah University  
BHOPAL-462026



नेशनल फर्टिलाइजर्स लिमिटेड

(भारत सरकार का उपक्रम)

विजयपुर इकाई विजयपुर - ४७३१११

जिला गुना (म.प्र.)

दूरभाष ०७५४४-२७३६०१/२७३०५०

फैक्स ०७५४४-२७३०८९



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## CERTIFICATE

*Certified that Ms. Harshita Yadav, a Student of Amity University, Gwalior undergone Practical / Vocational training in this organization from 21/01/2022 to 14/06/2022. Certified for academic purpose only. No obligations / Liabilities on the part of NFL.*

*Her Performance during the training was Very good & Conduct was certified.*

*The subject of special study project was "General/Vocational Training" in Laboratory Department.*

 14/06/2022

Sujit Kumar Jena  
Officer (HR)

एस. के. जेना

S. K. Jena

अधिकारी (मा.सं.वि.)

Officer (HRD)

विजयपुर इकाई

Date of Issue: 14/06/2022

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**Jawaharlal Nehru University**  
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**School of Computational and Integrative Sciences**  
नई दिल्ली-110067, भारत / New Delhi-110067, INDIA

**Dr. Pallavi Somvanshi**  
Associate Professor

Tel. (Off) : +91-011-26704043  
Email : psomvanshi@jnu.ac.in  
psomvanshi@gmail.com

## CERTIFICATE

This is to certify that **Prajakta More** (Enrollment No. A60100220007) student of M.Sc. Biotechnology of Amity Institute of Biotechnology (AIB), Amity University Gwalior, has done her internship project entitled " *In silico* exploration of potential phytochemicals for diabetes treatment utilizing molecular docking approach" under the guidance of Dr. Pallavi Somvanshi during 10 January - 17 June 2022.

The work was satisfactory. She has shown complete dedication and devotion to given project work.

**DR. PALLAVI SOMVANSHI PHD**  
Associate Professor  
School of Computational & Integrative  
Sciences Jawaharlal Nehru University  
New Delhi-110067



**Multidisciplinary Research Unit (MRU)**  
**Maulana Azad Medical College and Associated Hospitals**  
2<sup>nd</sup> - Bahadur Shah Zafar Marg, New Delhi, Delhi - 110002  
(mru.mamc@gmail.com)

F.No. MAMC/MRU/2021-22/29

Date: June 17, 2022

**CERTIFICATE**

This is to certify that the dissertation titled "To study the prevalence of major, minor & micro transcripts of BCR-ABL in patients of CML" is submitted by Prashant Mishra (A60100220009) in partial fulfillment of the requirements for the award of the degree of Master of Science in Biotechnology, Amity Institute of Biotechnology, Amity University Madhya Pradesh, and Gwalior. The work is comprehensive, complete, and fit for final evaluation.

Name of the Supervisor  
Designation

**NODAL OFFICER**  
Multidisciplinary Research Unit (MRU)  
Maulana Azad Medical College  
New Delhi-110002

Name of the Co-Supervisor

Dr. Subash Chandra Ankar  
Designation  
Scientist-II  
Multidisciplinary Research Unit  
Maulana Azad Medical College &  
Associated L.N. Hospital  
Govt. of NCT of Delhi  
New Delhi-110 002





मौलाना आजाद राष्ट्रीय प्रौद्योगिकी संस्थान भोपाल

( शिक्षा मंत्रालय, भारत सरकार के अर्थात् राष्ट्रीय महत्व का संस्थान )

**Maulana Azad National Institute of Technology, Bhopal**

(An Institution of National Importance under Ministry of Education, Govt. of India)

### CERTIFICATE

This is to certify that Ms. Priya Singh, Enrolment No: A60100220004, student of M.sc., Biotechnology, Department of Biotechnology, Amity Institute of Biotechnology, Gwalior, M.P. has done her Dissertation project entitled "**Screening of Phytoconstituents for Their Antimicrobial Activity from Indian Medicinal Plants**" during January to June 2022 and it is being submitted to **Dr. Khushhali M. Pandey**, Assistant Professor in Maulana Azad National Institute of Technology, Bhopal

The work was satisfactory. She has shown complete dedication and devotion to the given project work

Date: 14/06/2022

Dr. Khushhali M. Pandey  
Assistant Professor

Biological Science and Engineering  
Maulana Azad National Institute of Technology  
Bhopal



## CERTIFICATE

This is to certify that **Ms. Shatabdi Das**, who is graduating with a M.Sc. in Biotechnology from Amity University, Gwalior, Madhya Pradesh, India, has successfully completed her M.Sc. Thesis project titled, '**Biochemical characterization of a putative TET-like enzyme from the malaria parasite *Plasmodium falciparum***' under my supervision from 24<sup>th</sup> January 2022 to 21<sup>st</sup> June 2022. The contents of this work have not been submitted to any other Institute or University for the award of a Degree or Diploma.

A handwritten signature in blue ink, appearing to read 'Shruthi S Vembar', is written over a faint, light blue circular stamp.

**Dr. Shruthi S Vembar**  
Assistant Professor and Ramalingaswami Fellow  
Institute of Bioinformatics and Applied Biotechnology  
Bengaluru, India



Date: 21.06.2022



# **Multidisciplinary Research Unit (MRU)**

**Maulana Azad Medical College and Associated Hospitals**

2<sup>nd</sup> Bahadur Shah Zafar Marg, New Delhi, Delhi-110002

(mrucolmhc@gmail.com)

ENCLAMHC/MRU/2021/22/30

Date: June 17, 2022

## **CERTIFICATE**

This is to certify that the dissertation titled **Identification of genetic mutations in patients of epilepsy using molecular biology techniques** is submitted by **Subhash Yadav (A60100220010)** in partial fulfillment of the requirements for the award of the degree of **Master of Science in Biotechnology**, Amity Institute of Biotechnology, Amity University, Madhya Pradesh, and Gwalior. The work is comprehensive, complete, and fit for final evaluation.

*Manisha Yadav*  
*Dr. Manisha Yadav*  
Name of the Co-Supervisor  
Designation

DR. MANISHA YADAV  
Senior Scientist  
Molecular Biology Research Unit  
Maulana Azad Medical College  
& Associated Hospitals  
New Delhi-110002

*B. C. Koney*  
Name of the Supervisor  
Designation

**NODAL OFFICER**  
**Multidisciplinary Research Unit (MRU)**  
**Maulana Azad Medical College**  
**New Delhi-110002**



नेशनल फर्टिलाइजर्स लिमिटेड

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Fax : 07544 - 273089

## CERTIFICATE

*Certified that Mr. Umesh Sharma, a Student of Amity University, Gwalior, undergone Practical Vocational training in this organization from 21/01/2022 to 14/06/2022. Certified for academic purpose only. No obligations / Liabilities on the part of NFL.*

*His Performance during the training was Very good & Conduct was certified.*

*The subject of special study project was "General/Vocational Training" in Laboratory Department.*

 14/06/2022

**Sujit Kumar Jena**  
Officer (HR)

**Date of Issue: 14/06/2022**

एच. के. जेना  
S. K. Jena  
अधिकारी (म.सं.वि.)  
Officer (HRD)  
विजयपुर इकाई

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**Amity Institute of Biotechnology**

**Amity University Madhya Pradesh, Gwalior**

### **Certificate**

This is to certify that the work in the project report entitled “**Study of soil bacterial metagenome and homology modelling of xylanase with reference to *Bacillus* spp.**” by **Mr. Nikhil Kumar** bearing **A60100220002** is a bonafide record of project work carried out by his under our supervision and guidance in partial fulfillment of the requirements for the award of the degree of Master of Science (Hons.) in Biotechnology, Amity Institute of Biotechnology, Amity University Madhya Pradesh, Gwalior. Neither this project nor any part of it has been submitted for any degree or academic award elsewhere.

Date: 23:06:2022

**Supervisor**

**Dr. Manish Kumar**  
Assistant Professor  
Amity Institute of Biotechnology  
Amity University Madhya Pradesh

**Co-Supervisor**

**Dr. Neha Sharma**  
Assistant Professor  
Amity Institute of Biotechnology  
Amity University Madhya Pradesh



**Amity Institute of Biotechnology  
Amity University Madhya Pradesh**

**CERTIFICATE**

This is to certify that the work in the project report entitled “**Screening of amylase producing bacteria and soil metagenomics study**” by **Aradhana Gupta** bearing **A60100220013** is a bonafide record of project work carried out by her under my co-supervision and guidance in partial fulfilment of the requirements for the award of the degree of Master of Science in Biotechnology, Amity Institute of Biotechnology, Amity University Madhya Pradesh, Gwalior. Neither this project nor any part of it has been submitted for any degree or academic award elsewhere.

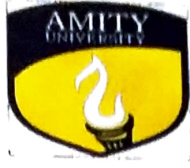
Date: 23/06/2022

Supervisor

**Dr. Manish Kumar**  
Assistant Professor  
Amity Institute of Biotechnology  
Amity University Madhya Pradesh

Co-Supervisor

**Dr. Neha Sharma**  
Assistant Professor  
Amity Institute of Biotechnology  
Amity University Madhya Pradesh



**Amity Institute of Biotechnology**  
**Amity University Madhya Pradesh, Gwalior**

**Certificate**

This is to certify that the work in the project report entitled “**Culture Dependent And Culture Independent Study Of Soil Bacteria**” by Ms. Alka Parashar bearing **A60100220003** is a bonafide record of project work carried out by her under our supervision and guidance from **10<sup>th</sup> January 2021** to **10<sup>th</sup> June 2021** at Amity Institute of Biotechnology, Amity University Madhya Pradesh, Gwalior in partial fulfilment of the requirements for the award of the degree of Master of Science in Biotechnology, Amity Institute of Biotechnology, Amity University Madhya Pradesh, Gwalior. Neither this project nor any part of it has been submitted for any degree or academic award elsewhere.

Date: 23/06/2022

Supervisor

  
**Dr. Neha Sharma**  
**Assistant Professor**  
**Amity Institute of Biotechnology**  
**Amity University Madhya Pradesh**

  
Co-Supervisor

**Dr. Manish Kumar**  
**Assistant Professor**  
**Amity Institute of Biotechnology**  
**Amity University Madhya Pradesh**