

INSTITUTE OF APPLIED MEDICINES & RESEARCH GHAZIABAD
FACULTY OF LIFE SCIENCES
M.Sc. Microbiology IV Sem (Batch 2020-22)

S.NO	ENROL. NO	ROLL NO.	STUDENT NAME	PROJECT/DISSERTATION TOPIC	ORGANIZATION
1	17924091	200966254001	ARTI	"Antibacterial activity of <i>Ocimum tenuiflorum</i> (Tulsi) by using leaf extract against <i>E.coli</i> and <i>Bacillus subtilis</i> strains"	IAMR-GHAZIABAD
2	17924092	200966254002	AASTHA AGARWAL	To study the antibiogram of staphylococcus aureus from clinical sample	ONQUEST LABORATORIES LTD. - NEW DELHI
3	20066772	200966254003	AKSHAY KUMAR	"Microbial Analysis of drinking water, milk and milk products"	FARE LABS PVT. LTD - GURGAON, HARYANA
4	17924097	200966254004	ANJALI ANAND	"Evaluation, formulation and anti-bacterial efficacy of Alcohol based herbal hand sanitizer"	IAMR-GHAZIABAD
5	17924099	200966254005	ANSHIKA TYAGI	"Screening of antibacterial activity of <i>Azadirachta indica</i> (Neem) by using leaf extract against different types of bacterial strains"	IAMR-GHAZIABAD
6	17924100	200966254006	ANURADHA	"Isolation and identification of bacteria from spoiled papaya and apple"	IAMR-GHAZIABAD
7	20066773	200966254007	ASHISH KUMAR	"Microbial analysis of water & meat"	FARE LABS PVT. LTD - GURGAON, HARYANA
8	17142921	200966254008	CHANCHAL CHAUDHARY	"Estimation of antioxidants and antimicrobial activity present in petals of <i>Bombax ceiba</i> flower against diabetes mellitus"	IAMR-GHAZIABAD
9	17142926	200966254009	DEEPANSHI TYAGI	"Evaluation of <i>Phyllanthus niruri</i> against thyroid abnormalities"	IAMR-GHAZIABAD
10	20066774	200966254010	GRARGI TYAGI	"Microbial Growth in waste water treatment by effluent treatment plant"	IAMR-GHAZIABAD
11	20066775	200966254011	HARSHIT	"Isolation and screening of pectinase enzyme from various soil samples along with an estimation of its production efficiency"	IAMR-GHAZIABAD
12	17142953	200966254012	KAJAL TYAGI	"Isolation and characterization multiple drug resistance bacterial pathogens from waste water"	FSSAI, NFL GHAZIABAD
13	17924110	200966254013	SHIKHA BHUSHAN	Screening of inhibitory drug molecules against tuberculosis	INDIAN FOUNDATION FOR FUNDAMENTAL RESEARCH, RAEBARELI
14	20066776	200966254014	KONIKA TYAGI	"Isolation and identification of bacteria from raw milk"	IAMR-GHAZIABAD
15	20066777	200966254015	LATA JOSHI	Impact of bacterial phyla in smokeless tobacco product uses and oral microbiotech	IAMR-GHAZIABAD



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M.Sc. Microbiology IV Sem (Batch 2020-22)

S.NO	ENROL NO	ROLL NO.	STUDENT NAME	PROJECT/DISSERTATION TOPIC	ORGANIZATION
16	17924111	200966254016	MANISH SHARMA	"Study on in-vivo Protein Profiling and in-vitro Antimicrobial Activity of Leaf Extracts of <i>Psidium guajava</i> L. and <i>Calliandra haematocephala</i> Hassk."	IAMR-GHAZIABAD
17	17923975	200966254017	MUKUL KUMAR	"Isolation, screening and production of amylase enzyme from soil"	IAMR-GHAZIABAD
18	17142981	200966254018	NEHA RANA	Gene expression based on radiation biodosimetry	INMAS-DRDO, DELHI
19	17924112	200966254019	PARUL	"Screening and isolation of microorganisms from soil for industrially important enzyme production"	IAMR-GHAZIABAD
20	17924116	200966254021	RAHUL KUMAR	"Antimicrobial activity of medicinal plants against human pathogenic bacteria"	IAMR-GHAZIABAD
21	17143021	200966254022	RAUCHI CHAUDHARY	"Evaluation of the antidiabetic and antimicrobial activity of <i>Bombax ceiba</i> fruit"	IAMR-GHAZIABAD
22	20066779	200966254023	SANDEEP SHARMA	Microbial analysis of water and ready to eat food	FARE LABS PVT. LTD - GURGAON, HARYANA
23	20066780	200966254024	SHASHI MAJUMDAR	"A study on production & optimization of bacterial amylase using different soil sample"	IAMR-GHAZIABAD
24	16155807	200966254025	SHIVANI	"Corona Virus (COVID-19): A brief survey report on the Covid patients from the various region of Uttar Pradesh"	IAMR-GHAZIABAD
25	17924120	200966254026	SIMRAN ANAND	"Formulation of a milk based probiotic drink using <i>Vaccinium</i> spp. (Blueberry) extract"	IAMR-GHAZIABAD
26	16152145	200966254027	SONAM SHEIKH	"Isolation and characterization multiple drug resistance bacterial pathogens from hospital environment"	IAMR-GHAZIABAD
27	17924121	200966254028	SUNITA	"Identification and evaluation of probiotic properties of <i>Lactobacilli</i> isolated from local market curd sample"	IAMR-GHAZIABAD
28	17143069	200966254029	URVASHI	"A study on production & optimization of fungal amylase using different soil sample"	IAMR-GHAZIABAD
29	17924125	200966254030	VARNIKA	"Study on antibacterial activity of <i>Rosa damascena</i> (Rose) petal extract against different types of bacterial strains"	IAMR-GHAZIABAD



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FACULTY OF LIFE SCIENCES

M.Sc. BIOTECHNOLOGY IV Sem (Batch 2020-22)

S.NO	ENROL. NO	ROLL NO.	STUDENT NAME	PROJECT/DISSERTATION TOPIC	INSTITUTE
1	16154792	R200966227001	BHAWNA SINGH	"A study on the detection, identification and characterisation of some heavy metal tolerant bacteria from industrial waste water"	IAMR-GHAZIABAD
2	17921148	R200966227002	HARSH KUMAR	"Bioprocesses used in manufacturing of Oral Cholera Vaccine"	BHARAT IMMUNOLOGIST & BIOLOGICAL CORPORATION LTD. BULANDSHAHR(U.P.)
3	20063682	R200966227003	PALLAVI PRIYA SINGH	"Study on sugarcane bagasse as efficient adsorbent for lead and nickel removal from untreated wastewater : Biosorption, Equilibrium Isotherms,	IAMR-GHAZIABAD
4	20063683	R200966227005	PRATISTHA	"In- Vivo Quality Control Testing for Assuring Safety of Biological Products.	NATIONAL INSTITUTE OF BIOLOGICALS - NOIDA (U.P.)
5	16154814	R200966227006	PRİYANKA	"Isolation & characterization of probiotic potential of <i>Lactobacilli</i> from buttermilk sample collected from rural areas"	IAMR-GHAZIABAD





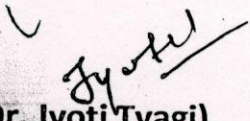
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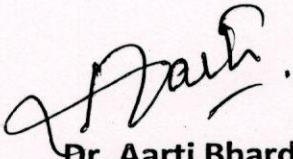
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Certificate

This is to certify that the Project report entitled "Antibacterial activity of *Ocimum tenuiflorum* (Tulsi) by using leaf extract against *E.coli* and *Bacillus subtilis* strains" submitted in partial fulfillment of the requirement for the degree of **Master of Science in Microbiology** in Faculty of Life Sciences from the institute of Applied Medicines & Research (affiliated to Ch. Charan Singh University Meerut) is a record of bonafide research carried out by **Ms. Aarti (Enrolment No. M17924091)** under my supervision and her no part of this project report has been submitted for any other degree or diploma.

The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.


(Dr. Jyoti Tyagi)
Assistant Professor
Faculty of Life Sciences
IAMR, Ghaziabad


Dr. Aarti Bhardwaj
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad


PRINCIPAL
Institute of Applied Medicines & Research
9th Km Stone, Delhi Meerut Road
Ghaziabad-201206

Institute :

9th Km. Stone, Delhi-Meerut Road, Ghaziabad-201 206

Phone. : (0120)-2675904, 2675905 • Website : www.iamr.ac.in • E-mail : iamroffice@gmail.com

ONQUEST

Date: June 21, 2022

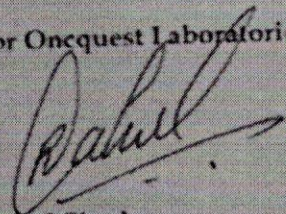
TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Aastha Agarwal D/O Bijendra Agarwal has done her training successfully with us as trainee in Lab ops within following department from January 04, 2022, to May 11, 2022.

- Microbiology

We wish her all the best for her future endeavors.

For Oncquest Laboratories Ltd.



Rahul Singh
Head - Human Resources



PRINCIPAL
Institute of Advanced Studies & Research
Sector 14, Gurgaon, Haryana
Phone: 0124-2336420

Oncquest Laboratories Ltd.

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Tel.: 011-30611432, 30611467 E-mail: info@oncquest.net Website: www.oncquest.net CIN: U2-42336A-2007PLC170898



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FARE LABS Private Limited
 L-1773, DLF Phase II, WFCB Chowk, M.G. Road,
 Gurgaon-122002, Haryana, INDIA
 Phone: +91 124 4123207, 4034205
 Fax: +91 124 4036078, 4036079
 E-mail: farelabs@farelabs.com
 Website: www.farelabs.com

20th June 2022

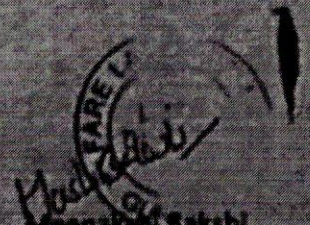
TRAINING CERTIFICATE

This is to certify that Akshay Kumar, S/o Mr. Naresh Singh from Institute of Applied Medicine and Research (CCSU), MSC in Microbiology has successfully completed his Dissertation in "Microbial Analysis of Drinking water, Milk and Milk Product." From 20th Dec 2021 to 20th June 2022 at FARE Labs Pvt. Ltd. and has been awarded excellent grade on the basis of his performance

He has accomplished the training successfully. We have found him sincere and devoted during the training


 Kapil Sharma
 Human Resource Department
 FARE Labs Pvt. Ltd.




 Veena K. Sakshi
 HOD (Microbiology)
 FARE Labs Pvt. Ltd.

CC: Akshay Kumar
 Institute of Applied Medicine and Research
 CCSU, Gurgaon, Haryana



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Certificate

This is to certify that the Project report entitled "Evaluation, formulation and anti-bacterial efficacy of Alcohol based herbal hand sanitizer" submitted in partial fulfillment of the requirement for the degree of Master of Science in Microbiology in Faculty of Life Sciences from the institute of Applied Medicines & Research (affiliated to Ch. Charan Singh University Meerut) is a record of bonafide research carried out by Ms. Anjali Anand (Enrolment No. M17924097) under my supervision and her no part of this project report has been submitted for any other degree or diploma.

The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.

(Dr. Monika Bajpai)
Assistant Professor
Faculty of Life Sciences
IAMR, Ghaziabad

Dr. Aarti Bhardwaj
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad

PRINCIPAL
Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Duhai Ghaziabad-201206

Institute :

9th Km. Stone, Delhi-Meerut Road, Ghaziabad-201 206

Phone. : (0120)-2675904, 2675905 • Website : www.iamr.ac.in • E-mail : iamroffice@gmail.com



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Certificate

This is to certify that the Project report entitled "Screening of antibacterial activity of *Azadirachta indica* (Neem) by using leaf extract against different types of bacterial strains" submitted in partial fulfillment of the requirement for the degree of Master of Science in Microbiology in Faculty of Life Sciences from the institute of Applied Medicines & Research (affiliated to Ch. Charan Singh University Meerut) is a record of bonafide research carried out by Ms. Anshika Tyagi (Enrolment No. M17924099) under my supervision and her no part of this project report has been submitted for any other degree or diploma.

The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.

(Dr. Jyoti Tyagi)
Assistant Professor
Faculty of Life Sciences
IAMR, Ghaziabad

Dr. Aarti Bhardwaj
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad

PRINCIPAL
Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Duhai, Ghaziabad-201206

Institute :

9th Km. Stone, Delhi-Meerut Road, Ghaziabad-201 206

Phone : (0120) 2875004, 2875005. Website : www.iamr.org. Email : iamr@iamr.org



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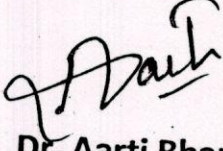
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Certificate

This is to certify that the Project report entitled "Isolation and identification of bacteria from spoiled papaya and apple" submitted in partial fulfillment of the requirement for the degree of **Master of Science in Microbiology** in Faculty of Life Sciences from the institute of Applied Medicines & Research (affiliated to Ch. Charan Singh University Meerut) is a record of bonafide research carried out by **Ms. Anuradha (Enrolment No. M17924100)** under my supervision and her no part of this project report has been submitted for any other degree or diploma.

The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.

(Mrs. Neetu Saharan)
Assistant Professor
Faculty of Life Sciences
IAMR, Ghaziabad


Dr. Aarti Bhardwaj
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad



PRINCIPAL
Institute of Applied Medicines & Research
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TESTING, CALIBRATION, PROFICIENCY TESTING & TRAINING SERVICES

FARE LABS Private Limited

L-17/3, DLF Phase-II, IFFCO Chowk, M.G. Road,
Gurgaon-122002, Haryana, INDIA

Phone : +91-124-4223207-08, 4034205

Fax : +91-124-4036038, Cell : +91-91176 64577

E-mail : farelabs@farelabs.com

Website : www.farelabs.com

17th May 2022

TRAINING CERTIFICATE

This is to certify that **Ashish Kumar**, S/o Shree Ram Kishor from IAMR College, Ghaziabad, MSc in Microbiology, has successfully completed his dissertation in "Microbial Analysis of Water & Meat" from 20th Dec-2021 to 17th May 2022 at FARE Labs Pvt.Ltd. and has been awarded excellent grade on the basis of his performance.

He has accomplished the dissertation successfully. We have found his sincere and devoted during the training.

Kanishka Sharma
Human Resource Department
FARE Labs Pvt. Ltd.

PRINCIPAL
Institute of Applied Medicines & Research
9th Mile Sector-14, Gurgaon Road
Duhai Ghaziabad-201203





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Certificate

This is to certify that the Project report entitled “**Estimation of antioxidants and antimicrobial activity present in petals of *Bombax ceiba* flower against diabetes mellitus**” submitted in partial fulfillment of the requirement for the degree of **Master of Science in Microbiology** in Faculty of Life Sciences from the institute of Applied Medicines & Research (affiliated to Ch. Charan Singh University Meerut) is a record of bonafide research carried out by **Ms. Chanchal Choudhary (Enrolment No. M17142921)** under my supervision and her no part of this project report has been submitted for any other degree or diploma.

The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.

(Dr. Yamini Dixit)
Assistant Professor
Faculty of Life Sciences
IAMR, Ghaziabad

Dr. Aarti Bhardwaj
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad

PRINCIPAL

Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Duhai Ghaziabad-201206

Institute :

9th Km. Stone, Delhi-Meerut Road, Ghaziabad-201 206
Phone. : (0120)-2675904 / 05, Fax : 0120-2679144, Website : www.iamrgzb.com, E-mail : iamrgzb@rediffmail.com



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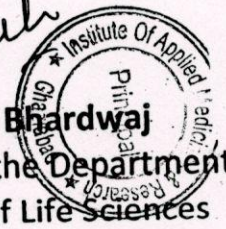
Certificate

This is to certify that the Project report entitled "Evaluation of *Phyllanthus niruri* against thyroid abnormalities" submitted in partial fulfillment of the requirement for the degree of Master of Science in Microbiology in Faculty of Life Sciences from the institute of Applied Medicines & Research (affiliated to Ch. Charan Singh University Meerut) is a record of bonafide research carried out by Ms. Deepanshi Tyagi (Enrolment No. M17142926) under my supervision and her no part of this project report has been submitted for any other degree or diploma.

The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.

(Dr. Yamini Dixit)
Assistant Professor
Faculty of Life Sciences
IAMR, Ghaziabad

Dr. Aarti Bhardwaj
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad



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Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Durai, Ghaziabad-201206

Institute :

9th Km. Stone, Delhi-Meerut Road, Ghaziabad-201 206
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nr | 22 | 6088

Certificate

It is to certify that the Project report entitled "Isolation and characterization of multiple drug resistance bacterial pathogens from waste water" submitted in partial fulfillment of the requirement for the degree of Master of Science in Microbiology in Faculty of Life Sciences from the institute of Applied Medicines & Research (affiliated to Ch. Charan Singh University Meerut) is a record of bonafide research carried out by Ms. Kajal Tyagi (Enrolment No. M17142953) under my supervision and her no part of this project report has been submitted for any other degree or diploma.

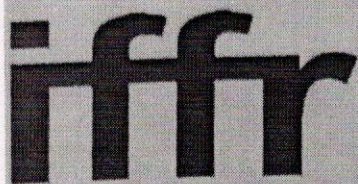
The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.

Neha Gupta
(Dr. Neha Gupta)
Assistant Professor
Faculty of Life Sciences
IAMR, Ghaziabad

Aarti Bhardwaj
Dr. Aarti Bhardwaj
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad

SP
PRINCIPAL
Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Delhi - Ghaziabad-201206

Institute :



Indian Foundation for Fundamental Research
Raebareli, (U.P.) India

Internship Program winter 2022

(training/ Project work/ Dissertation and use of sophisticated instruments & techniques)

CERTIFICATE

This certificate is issued to **Km Shikha Bhushan** Daughter/o Mr. Kishor Kumar, on successful completion of an advanced 'Internship Program winter 2022' at Indian Foundation for Fundamental Research, Raebareli, U.P.

Registration Number: Winter/2022/Intern/102
Sponsoring Institution: Institute of Applied Medicines and Research Duhai, Ghaziabad
Course & Department: M.Sc.(Microbiology)
Specialization of internship: Medical Microbiology
Category of training: Project work
Duration: January 25, 2022 to June 16, 2022
Project title: "Screening of inhibitory drug molecules against *tuberculosis*"

The candidate has fulfilled prescribed requirements of the laboratory & project work, faculty consultation and has completed the assigned project.

June 16, 2022

PRINCIPAL
Institute of Applied Medicines & Research
9th Mile Stone, Dehri Necrui Road
Duhai, Ghaziabad-201206

Signatory: Dr. Sukrit Srivastava






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Certificate

This is to certify that the Project report entitled "**Isolation and identification of bacteria from raw milk**" submitted in partial fulfillment of the requirement for the degree of **Master of Science in Microbiology** in Faculty of Life Sciences from the institute of Applied Medicines & Research (affiliated to Ch. Charan Singh University Meerut) is a record of bonafide research carried out by **Ms. Konika Tyagi (Enrolment No. M20066776)** under my supervision and her no part of this project report has been submitted for any other degree or diploma.

The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.


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Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Duhai Ghaziabad-201206


Dr. Aarti Bhardwaj
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad

Institute :

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(INDIAN COUNCIL OF MEDICAL RESEARCH)
भारतीय आयुर्विज्ञान अनुसंधान परिषद
Department of Health Research
स्वास्थ्य अनुसंधान विभाग
Ministry of Health & Family Welfare, Govt. of India
स्वास्थ्य और परिवार कल्याण मंत्रालय, भारत सरकार

CERTIFICATE

This is to certify that Miss Lata Joshi, M.Sc Microbiology, Institute of Applied Medicines & Research (affiliated to Ch. Charan Singh University, Meerut) has done her training on "Impact of Bacterial phyla in Smokeless tobacco product user and oral microbiota" under our supervision and guidance for a period of 6 months from 1 January -30 June 2022.

She has learned DNA extraction in blood, tissue, and oral swab, Agarose Gel Electrophoresis, Polymerase Chain Reaction (PCR), RFLP (Restriction Fragment Length Polymorphism), Polyacrylamide Gel Electrophoresis.

Lata Joshi is a sincere student with an enthusiasm to learn new things. I wish her good luck in her future endeavors in science.

(Dr. Mausumi Bharadwaj)
Scientist 'G' & Head
Molecular Biology Group

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Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Duhai Ghaziabad-201206

I-7, Sector-39, Noida-201301 (UP) India

Tel.: PABX: 0120 - 2446900, Fax: 0120 - 2579473

Email: director-icpo@gov.in, ravi.mehrotra@gov.in.in, directornicpr@gmail.com

Website: www.nicpr.res.in, www.cancerindia.org.in, www.untobaccocontrol.org/kh/smokeless-tabacco/

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Certificate

This is to certify that the Project report entitled "Study on in-vivo Protein Profiling and in-vitro Antimicrobial Activity of Leaf Extracts of *Psidium guajava* L. and *Calliandra haematocephala* Hassk." submitted in partial fulfillment of the requirement for the degree of Master of Science in Microbiology in Faculty of Life Sciences from the Institute of Applied Medicines & Research (Affiliated to Ch. Charan Singh University, Meerut) is a record of bonafide research carried out by Mr. Manish Sharma (Enrolment No. M17924111) under my supervision and no part of this project report has been submitted for any other degree or diploma.

The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.

(Dr. Fanish Kr. Pandey)
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad

PRINCIPAL
Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Nuhai, Ghaziabad-201206



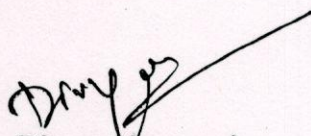
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Certificate

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The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.


(Dr. Divya Sharma)
Assistant Professor
Faculty of Life Sciences
IAMR, Ghaziabad


Dr. Aarti Bhardwaj
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad


PRINCIPAL
Institute of Applied Medicines & Research
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Duhai, Ghaziabad-201206

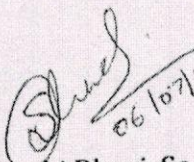
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9th Km. Stone, Delhi-Meerut Road, Ghaziabad-201 206


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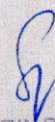
This is to certify that the dissertation entitled "STANDARDIZATION OF RNA EXTRACTION FROM *EX VIVO* IRRADIATED HUMAN BLOOD AT 37°C FOR GENE EXPRESSION BIODOSIMETRY" submitted by Ms Neha Rana is a partial fulfilment of the requirement for the award of M.Sc. (Microbiology) degree. It is a record of candidate's own work carried out as project trainee at Institute of Nuclear Medicine & Allied Sciences, Timarpur, Delhi from 07/01/2022 to 30/06/2022 under my guidance and supervision.


06/07/2022

Dr Shuchi Bhagi, Sc C
Molecular & Radiation Biosciences Division
INMAS, DRDO
Timarpur, Delhi- 110054


06/7/22

Dr Sudhir Chandna, Sc G and Head
Molecular & Radiation Biosciences Division
INMAS, Delhi- 110054



PRINCIPAL
Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Duhai, Ghaziabad-201206





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Certificate

This is to certify that the Project report entitled "Screening and isolation of microorganisms from soil for industrially important enzyme production" submitted in partial fulfillment of the requirement for the degree of Master of Science in Microbiology in Faculty of Life Sciences from the institute of Applied Medicines & Research (affiliated to Ch. Charan Singh University Meerut) is a record of bonafide research carried out by Ms. Parul (Enrolment No. M17924112) under my supervision and her no part of this project report has been submitted for any other degree or diploma.

The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.

(Dr. Abha Verma)
Assistant Professor
Faculty of Life Sciences
IAMR, Ghaziabad

Dr. Aarti Bhardwaj
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad

PRINCIPAL
Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Delhi Ghaziabad-201206

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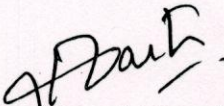
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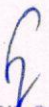
Certificate

This is to certify that the Project report entitled "Antimicrobial activity of medicinal plants against human pathogenic bacteria" submitted in partial fulfillment of the requirement for the degree of **Master of Science in Microbiology** in Faculty of Life Sciences from the institute of Applied Medicines & Research (affiliated to Ch. Charan Singh University Meerut) is a record of bonafide research carried out by **Mr. Rahul Kumar (Enrolment No. M17924116)** under my supervision and his no part of this project report has been submitted for any other degree or diploma.

The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.


(Dr. Neha Gupta)
Assistant Professor
Faculty of Life Sciences
IAMR, Ghaziabad


Dr. Aarti Bhardwaj
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad


PRINCIPAL
Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Duhai Ghaziabad-201206

Institute : ==

9th Km. Stone, Delhi-Meerut Road, Ghaziabad-201 206

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This is to certify that the Project report entitled "Evaluation of the antidiabetic and antimicrobial activity of *Bombax ceiba* fruit" submitted in partial fulfillment of the requirement for the degree of Master of Science in Microbiology in Faculty of Life Sciences from the institute of Applied Medicines & Research (affiliated to Ch. Charan Singh University Meerut) is a record of bonafide research carried out by Ms. Ruchi Chaudhary (Enrolment No. M17143021) under my supervision and her no part of this project report has been submitted for any other degree or diploma.

The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.

(Dr. Yamini Dixit)
Assistant Professor
Faculty of Life Sciences
IAMR, Ghaziabad

Dr. Aarti Bhardwaj
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad

PRINCIPAL
Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Durai Ghaziabad-201206

Institute :

9th Km. Stone, Delhi-Meerut Road, Ghaziabad-201 206

Phone. : (0120)-2675904 / 05, Fax : 0120-2679144, Website : www.iamrgzb.com, E-mail : iamrgzb@rediffmail.com



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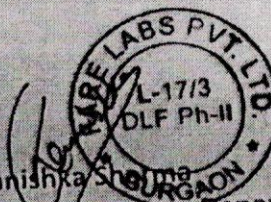
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
20th June 2022


TRAINING CERTIFICATE

This is to certify that Sandeep Sharma, S/o Mr. Ram Niwas Sharma from Institute of Applied Medicine and Research (CCSU), MSC in Microbiology has successfully completed his Dissertation in "Microbial Analysis of water and ready to eat food." From 20th Dec 2021 to 20th June 2022 at FARE Labs Pvt. Ltd. and has been awarded excellent grade on the basis of his performance.

He has accomplished the training successfully. We have found him sincere and devoted during the training


Kamishka Sharma
Human Resource Department
FARE Labs Pvt. Ltd.


PRINCIPAL
Institute of Applied Medicine & Research
9th Mile Stanley, Delhi Meerut Road
Duhai, Ghazipur-201206


Meenakshi
HOD (Microbiology)
FARE Labs Pvt. Ltd.

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This is to certify that the Project report entitled "A study on production & optimization of bacterial amylase using different soil sample" submitted in partial fulfillment of the requirement for the degree of **Master of Science in Microbiology** in Faculty of Life Sciences from the institute of Applied Medicines & Research (affiliated to Ch. Charan Singh University Meerut) is a record of bonafide research carried out by Ms. Shashi Majumdar (Enrolment No. M20066780) under my supervision and her no part of this project report has been submitted for any other degree or diploma.

The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.

(Dr. Abha Verma)
Assistant Professor
Faculty of Life Sciences
IAMR, Ghaziabad

Dr. Aarti Bhardwaj
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad

PRINCIPAL

Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Ghaziabad-201206

Institute :

9th Km. Stone, Delhi-Meerut Road, Ghaziabad-201 206

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Certificate

This is to certify that the Project report entitled “Corona Virus (COVID-19): A brief survey report on the Covid patients from the various region of Uttar Pradesh” submitted in partial fulfillment of the requirement for the degree of Master of Science in Microbiology in Faculty of Life Sciences from the Institute of Applied Medicines & Research (Affiliated to Ch. Charan Singh University, Meerut) is a record of bonafide research carried out by Ms. Shivani (Enrolment No. M16155807) under my supervision and other no part of this project report has been submitted for any other degree or diploma.

The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.

(Dr. Divya Sharma)
Assistant Professor
Faculty of Life Sciences
IAMR, Ghaziabad


PRINCIPAL
Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Duhai Ghaziabad-201206


(Dr. Fanish Kr. Pandey)
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad

Institute :

9th Km. Stone, Delhi-Meerut Road, Ghaziabad-201 206
Phone. : (0120)-2675904, 2675905 • Website : www.iamr.ac.in • E-mail : iamroffice@gmail.com



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Certificate

This is to certify that the Project report entitled "Formulation of a milk based probiotic drink using *Vaccinium spp.* (Blueberry) extract" submitted in partial fulfillment of the requirement for the degree of Master of Science in Microbiology in Faculty of Life Sciences from the institute of Applied Medicines & Research (affiliated to Ch. Charan Singh University Meerut) is a record of bonafide research carried out by Ms. Simran Anand (Enrolment No. M17924120) under my supervision and her no part of this project report has been submitted for any other degree or diploma.

The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.

(Dr. Monika Bajpai)
Assistant Professor
Faculty of Life Sciences
IAMR, Ghaziabad

PRINCIPAL

Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Dahar, Ghaziabad-201203

Dr. Aarti Bhardwaj
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad

Institute :

9th Km. Stone, Delhi-Meerut Road, Ghaziabad-201 203

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Ref. No-IAMR / 22 / 6087

Certificate

This is to certify that the Project report entitled "Isolation and characterization multiple drug resistance bacterial pathogens from hospital environment" submitted in partial fulfillment of the requirement for the degree of Master of Science in Microbiology in Faculty of Life Sciences from the institute of Applied Medicines & Research (affiliated to Ch. Charan Singh University Meerut) is a record of bonafide research carried out by Ms. Sonam Sheikh (Enrolment No. M16152145) under my supervision and her no part of this project report has been submitted for any other degree or diploma.

The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.

Neha Gupta
(Dr. Neha Gupta)
Assistant Professor
Faculty of Life Sciences
IAMR, Ghaziabad

PRINCIPAL

Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Duhai, Ghaziabad-201206

Aarti Bhardwaj
Dr. Aarti Bhardwaj
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad

Institute :

9th Km. Stone, Delhi-Meerut Road, Ghaziabad-201 206

Phone. : (0120)-2675904, 2675905 • Website : www.iamr.ac.in • E-mail : iamroffice@gmail.com



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This is to certify that the Project report entitled "Identification and evaluation of probiotic properties of *Lactobacilli* isolated from local market curd sample" submitted in partial fulfillment of the requirement for the degree of Master of Science in Microbiology in Faculty of Life Sciences from the institute of Applied Medicines & Research (affiliated to Ch. Charan Singh University Meerut) is a record of bonafide research carried out by Ms. Sunita Kumari (Enrolment No. M17924121) under my supervision and her no part of this project report has been submitted for any other degree or diploma.

The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.

Dr. Aarti Bhardwaj
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad

PRINCIPAL

Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Duhai Ghaziabad-201206

Institute : =

9th Km. Stone, Delhi-Meerut Road, Ghaziabad-201 206

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The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.

(Dr. Abha Verma)
Assistant Professor
Faculty of Life Sciences
IAMR, Ghaziabad

Dr. Aarti Bhardwaj
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad

PRINCIPAL

Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Duhai Ghaziabad-201206

Institute :

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This is to certify that the Project report entitled "Study on antibacterial activity of *Rosa damascena* (Rose) petal extract against different types of bacterial strains" submitted in partial fulfillment of the requirement for the degree of Master of Science in Microbiology in Faculty of Life Sciences from the institute of Applied Medicines & Research (affiliated to Ch. Charan Singh University Meerut) is a record of bonafide research carried out by Ms. Varnika Tyagi (Enrolment No. M17924125) under my supervision and her no part of this project report has been submitted for any other degree or diploma.

The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.

Jyoti
(Dr. Jyoti Tyagi)
Assistant Professor
Faculty of Life Sciences
IAMR, Ghaziabad

Aarti Bhardwaj
Dr. Aarti Bhardwaj
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad

[Signature]
PRINCIPAL
Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Duhai Ghaziabad-201206

Institute :

9th Km. Stone, Delhi-Meerut Road, Ghaziabad-201 206

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Certificate

This is to certify that the Project report entitled "A study on the detection identification and characterization of some heavy metals tolerant bacteria" submitted in partial fulfillment of the requirement for the degree of Master of Science in Biotechnology in Faculty of Life Sciences from the institute of Applied Medicines & Research (affiliated to Ch. Charan Singh University Meerut) is a record of bonafide research carried out by Ms. Bhawna (Enrolment No. M16154792) under my supervision and her no part of this project report has been submitted for any other degree or diploma.

The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.

(Dr. Fanish Pandey)
Assistant Professor
Faculty of Life Sciences
IAMR, Ghaziabad

Dr. Aarti Bhardwaj
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad


PRINCIPAL

Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Duhai Ghaziabad-201206

Institute : ==

9th Km. Stone, Delhi-Meerut Road, Ghaziabad-201 206

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CIN: L24232UP1989GOI010542

Bharat Immunologicals and Biologicals Corporation Limited



(A Govt. of India undertaking)

OPV plant: village – chola
Bulandshahr -203203(U.P), India


To whom may it concern

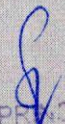
This is to certify that the project work done in **Bharat Immunological and Biological Corporation Limited**, dissertation entitled “**Bioprocesses used in manufacturing of Oral Cholera Vaccine (OCV)**” at **R&D Scale**, in partial fulfilment of the requirement for the degree of **M.Sc. in Biotechnology**, Submitted by **Mr. Harsh Kumar**, in the Institute of Applied Medicine and Research, Ghaziabad, is a verifiable documentation of his original work completed under the supervision of **Dr. Shaheen Akhtar Ansari, Deputy General Manager**, during the time period from **10.03.2022 to 15.09.2022**. This work has never been submitted elsewhere either for a different degree or diploma.

Sign:

Dr. Shaheen Akhtar Ansari

DGM, BIBCOL

 Bharat Immunological & Biologicals
Corporation Limited (BIBCOL)
(A Govt. of India Undertaking)
BIBCOL Chola, Bulandshahr - 203203 (UP)


PRINCIPAL
Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Distt. Ghaziabad-201206




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This is to certify that the Project report entitled "Study on sugarcane bagasse as efficient adsorbent for lead and nickel removal from untreated wastewater : Biosorption, Equilibrium Isotherms, Kinetics and Desorption studies" submitted in partial fulfillment of the requirement for the degree of Master of Science in Biotechnology in Faculty of Life Sciences from the Institute of Applied Medicines & Research (Affiliated to Ch. Charan Singh University, Meerut) is a record of bonafide research carried out by Ms. Pallavi Priya Singh (Enrolment No. M20063682) under my supervision and no part of this project report has been submitted for any other degree or diploma.

The assistance and help received during the course of this investigation and the sources of literature have been acknowledged.


(Dr. Fanish Kr. Pandey)
Head of the Department
Faculty of Life Sciences
IAMR, Ghaziabad


PRINCIPAL
Institute of Applied Medicines & Research
9th Mile Stone, Delhi Meerut Road
Ghaziabad-201206

Institute :

9th Km. Stone, Delhi-Meerut Road, Ghaziabad-201 206

Phone. : (0120)-2675904, 2675905 • Website : www.iamr.ac.in • E-mail : iamroffice@gmail.com



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(WHO Collaborating Centre for Quality Control of HIV, HCV, HBsAg, Syphilis *in-vitro* diagnostic assays)
Ministry of Health and Family Welfare, Government of India

A-32, Sector-62, Noida-201309, Uttar Pradesh, INDIA
Ph.: +910120-2400022, 2400072, FAX: +910120-2403014, e-mail: info@mib.gov.in

CERTIFICATE

This is to certify that Dr./Mr./Ms. Pratishta has successfully completed training programme /project work on "In-Vivo Quality Control Testing for Assuring Safety of Biological Products" at Animal Facility from 03.01.2022 to 30.06.2022.

Head Training Unit
National Institute of Biologicals
Ministry of Health & Family Welfare,
Government of India

Certificate No.: NIB/TRG/2022-23/2901

Principal Director, Eastern
State, Durgam Cheruvu
Chennai-600 029
Date : 30.06.2022

Dr. Anup Anvikar
Director, National Institute of Biologicals
Ministry of Health & Family Welfare,
Government of India