SR.NO.	NAME OF STUDENTS	DEPARTMENT	SESSION
1	POOJA SHARMA	BIOTECHNOLOGY	2019-20
2	GEETA	BIOTECHNOLOGY	2019-20
3	JEANNIE SHARMA	BIOTECHNOLOGY	2019-20
4	ANUSHKA	BIOTECHNOLOGY	2020-21
5	AISHWARYA	BIOTECHNOLOGY	2019-20
6	SHALU SHARMA	BIOTECHNOLOGY	2019-20
7	AARTI	BIOTECHNOLOGY	2019-20
8	BHAWANA SHARMA	BIOTECHNOLOGY	2019-20
9	PRIYA SHARMA	BIOTECHNOLOGY	2019-20
10	RITIKA CHAUDHARY	BIOTECHNOLOGY	2020-21
11	MUSKAN	BIOTECHNOLOGY	2020-21
12	DIVYA KAUSHIK	BIOTECHNOLOGY	2020-21
13	VAISHALI SINGH	BIOTECHNOLOGY	2020-21
14	ANUJ SHARMA	BIOTECHNOLOGY	2020-21
15	DANISH	BIOTECHNOLOGY	2020-21
16	RAKHI SHARMA	BIOTECHNOLOGY	2020-21
17	AAKANSHA	BIOTECHNOLOGY	2020-21
18	NISHA CHAUDHARY	BIOTECHNOLOGY	2020-21
19	NISHA	BIOTECHNOLOGY	2020-21
20	GUNJAN TYAGI	BIOTECHNOLOGY	2017-18
21	LALIT GARG	BIOTECHNOLOGY	2019-20
22	NEHA BHARDWAJ	BIOTECHNOLOGY	2017-18
23	PRIYANKA	BIOTECHNOLOGY	2017-18
24	DEEPIKA SHIDHU	BIOTECHNOLOGY	2017-18
25	NEHA PAL	BIOTECHNOLOGY	2017-18
26	MANISH KUMAR	BIOTECHNOLOGY	2020-21
27	ANUSHKA VATS	BIOTECHNOLOGY	2017-18
28	AARTI	LIBRARY & INFO. SCI.	2017-18
29	ARUN TYAGI	LIBRARY & INFO. SCI.	2017-18
30	MEGHA	LIBRARY & INFO. SCI.	2016-17
31	SWETA SINGH	LIBRARY & INFO. SCI.	2016-17
32	ANSHU SHARMA	LIBRARY & INFO. SCI.	2016-17

33	AARTI CHAUDHARY	LIBRARY & INFO. SCI.	2018-19
34	PREETI SIROHI	LIBRARY & INFO. SCI.	2018-19
35	AJEET PAL	LIBRARY & INFO. SCI.	2018-19
36	PRIYA	LIBRARY & INFO. SCI.	2016-17
37	NEHA GOEL	LIBRARY & INFO. SCI.	2016-17
38	NEETU CHAUDHARY	LIBRARY & INFO. SCI.	2017-18
39	NEETU	LIBRARY & INFO. SCI.	2017-18
40	ARTI	LIBRARY & INFO. SCI.	2017-18





Multanimal Modi College, Modinagar-201204 (U.P.) Department of Biotechnology

(Affiliated to C.C.S.University, Meerut) (A NACC ACCREDITATED COLLEGE) Website: www.inniemodinagar.ac.in Email info@mmemodinagar.ac.in

9 DEr Junt

No

CERTIFICATE

identification, mass production and its potentiality against powdery mildew University. Dissertation /report has been submitted for any other degree or diploma of any work carried out by Ms. Pools Sharma during 2019-20 and that no part of this part of the degree of Master of Biotechnology, is a bonafied record of Dissertation Department of Biotechnology, Multanimal Modi college, Modinagar -201204, as a disease in crops" submitted to Ch. Charan Singh University, Meerut, through This is to certify that dissertation entitled "Ampelomyces Quisqualis isolation,

(Ms. Richa Yadav) Internal Supervisor Department of Biotechnology

Department of Biotechnology (Dr. Ravi Kumar) Coordinator





Flot No. A-32, Sector-52 Institutional Area, NGIDA-201 309 (U.P.), INDIA, Phone: +91 0120 2400022, 2400072 Fax: +91 0120 2403014 E-mail: info@nib.gov.in

Date: 24.09.2020

CERTIFICATE

This is to certify the project report entitled "Microbiological monitoring of clean rooms of cell culture, Handling and maintenance of cell line and Potency Assay of Rituximab" submitted to National Institute of Biologicals, Noida, Uttar Pradesh is a bonfide record of the work carried out by Geeta at the National Institute of Biologicals, Noida, U.P, under the co. supervision of Mr. Subhash Chand, Scientist-III, Therapeutic Monoclonal Antibody Laboratory, from 2nd January 2020 to June 2020.

No part of this report has been reproduced elsewhere for any degree or diploma to the best of my knowledge and belief. The project work done by Geeta shall not be published in any form by the individual or other concerned without explicit permission of the institute.

Co-Superviso

Mr. Subhash Chand

(Scientist-III)

TAL, NIB

Supervisor Dr. Ratnesh K. Sharma (Scientist-II)

TA L, NIB

Cheg 69:2020

LAB HEAD

Dr. Charu M. Kamal

(Scientist-II)

TAL, NIB



Department of Biotechnology Multanimal Modi College, Modinagar-201204 (U.P.) (A NACC ACCREDITATED COLLEGE)

(Affiliated to C.C.S.University, Meerut) Website: www.mmcmodinagar.ac.in Email: info@mmcmodinagar.ac.in

f. No.....

Dated: 9 DEC 20

CERTIFICATE

This is to certify that dissertation entitled "Microbiological monitoring of clean rooms for cell cuture, handling and maintaining of suspension cell lines (WIL2S & TF1.28) and potency assay of Rituximab" submitted to Ch. Charan Singh University, Meerut, through Department of Biotechnology, Multanimal Modi college, Modinagar -201204, as a part of the degree of Master of Biotechnology, is a bonafied record of Dissertation work carried out by Ms. Geeta during 2019-20 and that no part of this Dissertation /report has been submitted for any other degree or diploma of any University.

1.0

(Dr. Ravi Kumar) Coordinator Department of Biotechnology

(Ms. Priyanka Verma) Internal Supervisor Department of Biotechnology



DAYAL BIOTECH (P) LIMITED

Delhi Road, Partapur, Meerus - 250-103 () 0121-2440028, 2440130-132, Toll Pree : 1860-270-1979 () www.dayalgroup.com () biotech@dayalgroup.com ()

CIN: U74899DL1988PTC032560

November 24, 2020

TO WHOM IT MAY CONCERN

is to certify that Ms. Pooja Sharma D/o Sh. Sanjay Sharma student of M.Sc. echnology) at M.M. College Modinagar(C.C.S University) has undergone Internship in January 01, 2020 to June 30, 2020 in the Biotechnology Lab of our Organization. Ing the Internship she worked on the project titled "Ampelomyces Quisqualis ation, Identification, Mass Production and Its Potentiality Against Powdery Mildew ease in Crops".

ing this period her conduct & behavior has been found satisfactory.

We wish her great success in her future endeavors.

Dayal Biotech (P) Limited

eeraj Saran Srivastava ssistant Vice President uman Capital & Administration

(A DAYAL GROUP COMPANY)



Dated:



Department of Biotechnology Multanimal Modi College, Modinagar-201204 (U.P.)

(Affiliated to C.C.S.University, Meerut) Website: www.mmcmodinagar.ac.in Email: info@mmcmodinagar.ac.in

No.....

CERTIFICATE

This is to certify that dissertation entitled "Microbial analysis and quality control of milk collected from various area of Bulandshahr" submitted to Ch. Charan Singh University, Meerut, through Department of Biotechnology, Multanimal Modi college, Modinagar -201204, as a part of the degree of Master of Biotechnology, is a bonafied record of Dissertation work carried out by Ms. Jeannie Sharma during 2019-20 and that no part of this Dissertation /report has been submitted for any other degree or diploma of any University.

Ms. Priyanka Verma)

Internal Supervisor Department of Biotechnology

(Dr. Ravi Kumar) Coordinator

Coordinator Department of Biotechnology



TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms. Jeannie Sharma has successfully completed project work on "Microbial analysis and Quality Control of milk collected from various area of Bulandshahr"

Her training stint was carried out during the period January 2020 to June 2020. She has submitted her project report to my satisfaction.

I wish her all the best in her studies and professional career.

For Saahai Milk Producer Co. Ltd



Plant In Charge

SAAHAJ MILK PRODUCER COMPANY LIMITED

रजिस्टर्ड कार्यालयः क्रॉस रोड्स मॉल. ड्रितीय ठल, प्सॅट नं. 5 एवं 6, सेक्टर-13, आजम विकास कॉलोनी, सिकन्दरा योजना, सिकन्दश-बोदला रोड, आगरा-282007, उत्तर प्रदेश, मारत दूरमाषः 0562-6623300, ई-मेलः info@ssahajmilk.com, वेवसाइटः www.saahajmilk.com, सिन U01403UP2014PTC066595 Registered Office : Cross Roads Mail, 2nd Floor, Plot No. 5 & 6, Sector-13, Avas Vikas Colony, Sikandar Yojna, Sikandra-Bodia Road, Agra-282007, Uttar Pradesh, India Ph: 0552-5823300, email: info@saahajmlik.com, Website : www.saahajmlik.com, CIN U01403UP2014PTC055595



Ref. No.

Date:/

CERTIFICATE

This is to certify that the thesis entitled "Evaluation of Nano-toxicity caused by Silver and Zinc Naopesticides in Tomato (Solanum lycopersicum L.)" submitted for the partial fulfilment of requirement for the degree of Master of Science in Biotechnology of Ch. Charan Singh University, Meerut (UP) is a bona-fide dissertation work carried out by Miss Anushka (A bonafide M.Sc. student of M.M. P.G. Degree College, Modinagar, UP) under my guidance and supervision and that no part of this thesis has been submitted for any other degree or diploma.

The assistance and held received during the course of this investigation have been

fully acknowledged.

Gowan 2 Infrom

Dr. (Shailendra S. Gaurav) Prof. & Ex.-Head, Department of Genetics & Plant Breeding Dean, Faculty of Agriculture



Prof. S. S. GAURAV

Faculty of Agriculture Ch. Charan Singh University Meerut-250004 (UP) India



Department of Biotechnology Multanimal Modi College, Modinagar-201204 (U.P.)

(A NACC ACCREDITATED COLLEGE) (Affiliated to C.C.S.University, Meerut) Website: www.mmcmodinagar.ac.in Email: info@mmcmodinagar.ac.in

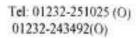
f. No.....

CERTIFICATE

This is to certify that dissertation entitled "Evaluation of Nano-toxicity caused by Silver and Zinc nanopesticides in potato (Solanum tuberosum L.) and tomato (Solanum lycopersicum L.)" submitted to Ch. Charan Singh University, Meerut, through Department of Biotechnology, Multanimal Modi college, Modinagar -201204, as a part of the degree of Master of Biotechnology, is a bonafied record of Dissertation work carried out by Ms. Anushka during 2019-20 and that no part of this Dissertation /report has been submitted for any other degree or diploma of any University.

(Ms. Richa Yadav) Internal Supervisor Department of Biotechnology

(Dr. Ravi Kumar) Coordinator Department of Biotechnology



Q DEC 2021

Dated:



Department of Biotechnology Multanimal Modi College, Modinagar-201204 (U.P.)

(A NACC ACCREDITATED COLLEGE) (Affiliated to C.C.S.University, Meerut) Website: www.mmcmodinagar.ac.in Email: info@mmcmodinagar.ac.in

f No.----

CERTIFICATE

This is to certify that dissertation entitled "Studies on protease production and its optimization by fungal isolates" submitted to Ch. Charan Singh University, Meerut, through Department of Biotechnology, Multanimal Modi college, Modinagar -201204, as a part of the degree of Master of Biotechnology, is a bonafied record of Dissertation work carried out by Ms. Aishwarya during 2019-20 and that no part of this Dissertation /report has been submitted for any other degree or diploma of any University.

100

(Ms. Priyanka Verma) Internal Supervisor Department of Biotechnology

(Dr. Ravi Kumar) Coordinator Department of Biotechnology



CIN: U24232DL2007PTC163267 TIN: 09365710447

Codon Biotech Pvt. Ltd.

Corp. Off: C-169, Sector-63, Noida-201301 Web : <u>www.codonbiotech.com</u> Email : <u>codonbt@gmail.com</u> Tel : 0120 - 4311464,

CERTIFICATE

This is to certify that the Project entitled "STUDIES ON PROTEASE PRODUCTION AND ITS OPTIMIZATION BY FUNGAL ISOLATES" submitted in partial fulfillment for the award of the Degree of M.Sc. (BIOTECHNOLOGY) from M.M.P.G.COLLEGE, MODINAGAR is a record of research work carried out by MS. AISHWARYA from 05th OCTOBER 2019 to 16th March 2020 under my guidance and supervision.

All the help and assistance received during the course of this investigation have been duly acknowledged.

Dated : 25/06/2020 Place : Noida No : CBPL2020/112 (Dr. Tripti Bhatnagar) (Dr. Tripti Bhatnagar) Managing Director Codon Biotech Pvt. Ltd. Noida

9 DEC 2020

Dated:



Department of Biotechnology Multanimal Modi College, Modinagar-201204 (U.P.)

(Affiliated to C.C.S.University, Meerut) Website: www.mmcmodinagar.ac.in Email: info@mmcmodinagar.ac.in

f. No.....

CERTIFICATE

This is to certify that dissertation entitled "Comparative studies on crude drug *Boerahaavia diffusa* Linn. and its adulterant *Trianthema portulacastrum* Linn." submitted to Ch. Charan Singh University, Meerut, through Department of Biotechnology, Multanimal Modi college, Modinagar -201204, as a part of the degree of Master of Biotechnology, is a bonafied record of Dissertation work carried out by **Ms. Shalu Sharma** during 2019-20 and that no part of this Dissertation /report has been submitted for any other degree or diploma of any University.

(Ms. Anjali Rajpoot) Internal Supervisor Department of Biotechnology

(Dr. Ravi Kumar) Coordinator Department of Biotechnology



Multanimal Modi College, Modinagar-201204 (U.P.)

(Affiliated to C.C.S.University, Meerut)

CERTIFICATE

This is to certify that Ms. Shalu Sharma D/O Mr. Mahesh Sharma student of M.Sc Biotechnology from M.M. College, Modinagar has undergone internship from 14.03.20 To 30.10.20 in the Botany Department Lab in our organization and where ever it was required. During the internship. She worked on the project titled "COMPARRATIVE STUDIES OF CRUDE DRUGS Boerhaavia diffusa L. AND ITS ADULTRANTS Trianthema portulacastrum L. She sincerely did the work regularly and reported time to time.

During this period her conduct and behavior has been found satisfactory.

We wish her great success in her future.



DR AMAR SINGH KASHYAP

ASSISTANT PROFESSOR

DEPARTMENT OF BOTANY

(Post Graduate & Research)

M. M. COLLEGE , MODINAGAR

Bharat Immunologicals & Biologicals Corporation Limited (A Govt. of India Undertaking)	OPV Pla Corpora	Certificate No.BIB/training/187/2020 Date: 10.07.2020	CERTIFICATE	This is to certify that Ms. Aarti, D/o Mr. Indra Pal Singh, student of M.Sc. Biotechnology,	Multanimal Modi College, Modinagar, U.P., has undergone project work titled "Bivalent Oral	Polio Vaccine(bOPV) Production and its Quality Control" from 10.01.2020 to 09.07.2020.* in	BIBCOL. The work carried out by the candidate is property of BIBCOL and not the matter of	publication in any condition.	shows when a show	Coordinator	Dy. General Manager (O.C.)
	BIBCOL	Certificate No.		This is to cer	Multanimal N	Polio Vaccine	BIBCOL. The	publication in a	Y		

9 DEC 2020

Dated:



Department of Biotechnology Multanimal Modi College, Modinagar-201204 (U.P.) (A NACC ACCREDITATED COLLEGE) (Affiliated to C.C.S.University,Meerut) Website: www.mmcmodinagar.ac.in Email: info@mmcmodinagar.ac.in

cf. No.....

CERTIFICATE

This is to certify that dissertation entitled "Bivalent oral Polio Vaccine production and its quality control" submitted to Ch. Charan Singh University, Meerut, through Department of Biotechnology, Multanimal Modi college, Modinagar -201204, as a part of the degree of Master of Biotechnology, is a bonafied record of Dissertation work carried out by Ms. Aarti during 2019-20 and that no part of this Dissertation /report has been submitted for any other degree or diploma of any University.

(Ms. Richa Yadav) Internal Supervisor Department of Biotechnology

(Dr. Ravi Kumar) Coordinator Department of Biotechnology

9 DEC 2020

Dated:



Department of Biotechnology Multanimal Modi College, Modinagar-201204 (U.P.) (A NACC ACCREDITATED COLLEGE) (Affiliated to C.C.S.University,Meerut) Website: www.mmcmodinagar.ac.in Email: info@mmcmodinagar.ac.in

No

CERTIFICATE

This is to certify that dissertation entitled " Quality Control Parameters and Regulatory Requirements on Bivalent Oral Polio Vaccine" submitted to Ch. Charan Singh University, Meerut, through Department of Biotechnology, Multanimal Modi college, Modinagar -201204, as a part of the degree of Master of Biotechnology, is a bonafied record of Dissertation work carried out by Ms. Bhawana Sharma during 2019-20 and that no part of this Dissertation /report has been submitted for any other degree or diploma of any University.

(Ms. Priyanka Verma) Internal Supervisor Department of Biotechnology

(Dr. Ravi Kumar) Coordinator Department of Biotechnology

2		2	1	
ļ	Y	a,	۱	
١	ŝ		ł	ł
ľ	r	l,	ľ	

BIBCOL

Bharat Immunologicals & Biologicals Corporation Limited (A Govt. of India Undertaking)

OPV Plant: Village – Chola, Bulandshahr – 203203 (U.P.), India Corporate Identity Number: L24232UP1989GOI010542

Date: 10.07.2020

Certificate No.BIB/training/189/2020

CERTIFICATE

Biotechnology, Multanimal Modi College, Modinagar, U.P., has undergone project work titled This is to certify that Ms. Bhawana Sharma, D/o Mr. Dharmveer Sharma, student of M.Sc. "Quality Control Parameters and Regulatory Requirements on Bivalent Oral Polio Vaccine" from 13.01.2020 to 10.07.2020.* in BIBCOL. The work carried out by the candidate is property of

BIBCOL and not the matter of publication in any condition.

Swamres.

Coordinator

"Training was supposhed during lockdown period from 25.03.2020 to 19.06.2020





Department of Biotechnology Multanimal Modi College, Modinagar-201204 (U.P.)

(A NACC ACCREDITATED COLLEGE) (Affiliated to C.C.S.University, Meerut) Website: www.mmcmodinagar.ac.in Email: info@mmcmodinagar.ac.in

[No

Dated:

DEC 2020

CERTIFICATE

This is to certify that dissertation entitled "Effects of plant extracts on postharvest fungal diseases of fruits and vegetables" submitted to Ch. Charan Singh University, Meerut, through Department of Biotechnology, Multanimal Modi college, Modinagar -201204, as a part of the degree of Master of Biotechnology, is a bonafied record of Dissertation work carried out by Ms. Priya Sharma during 2019-20 and that no part of this Dissertation /report has been submitted for any other degree or diploma of any University.

(Ms. Priyanka Verma) Internal Supervisor Department of Biotechnology

(Dr. Ravi Kumar) Coordinator Department of Biotechnology



CIN: U24232DL2007PTC163267 TIN: 09365710447

Codon Biotech Pvt. Ltd.

Corp. Off: C-169, Sector-63, Noida-201301 Web : <u>www.codonbiotech.com</u> Email : <u>codonbt@gmail.com</u> Tel : 0120 - 4311464,

CERTIFICATE

This is to certify that the Project entitled "EFFECT OF PLANT EXTRACTS ON POST HARVEST FUNGAL DISEASES OF FRUITS AND VEGETABLES" submitted in partial fulfillment for the award of the Degree of M.Sc. (BIOTECHNOLOGY) from M.M.P.G.COLLEGE, MODINAGAR is a record of research work carried out by MS. PRIYA SHARMA from 05th OCTOBER 2019 to 16th March 2020 under my

guidance and supervision.

All the help and assistance received during the course of this investigation have been duly acknowledged.

Dated : 25/06/2020 Place : Noida No : CBPL2020/111 (Dr. Tripti Bhatnagar) (Dr. Tripti Bhatnagar) Managing Director Codon Biotech Pvt. Ltd. Noida



Ch. Charan Singh University, Meerut Department of Genetics and Plant Breeding

Dr. Sachin Kumar

Sr. Assistant Professor Department of Genetics and Plant Breeding Faculty of Agriculture Chaudhary Charan Singh University Meenat – 250 004 (UP) Email: sachinkpsingh@gmail.com

Date: 03/09/2021

CERTIFICATE

This is to certify that the thesis entitled "In silico characterization of SUMO E3-ligase encoding sequence in some monocot and dicot species" submitted for the partial fulfilment of the requirements for the degree of Master of Science in Biotechnology of Multanimal Modi College, Modinagar affiliate to Ch. Charan Singh University, Meerut, Uttar Pradesh is a record of bonafide research work carried out by Ritika Chaudhary under my guidance and supervision and that no part of this research work has been submitted for any other degree or diploma.

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

(Sachin Kumar)



Department of Biotechnology Multanimal Modi College, Modinagar-201204 (U.P.)

(A NACC ACCREDITATED COLLEGE) (Affiliated to C.C.S.University, Meerut) Website: www.mmcmodinagar.ac.in Email: info@mmcmodinagar.ac.in

Ref. No.

Dated:

1 4 SEP 2021

CERTIFICATE

This is to certify that dissertation entitled "*In silico* characterization of SUMO E3ligase encoding sequence in some monocot and dicot species" submitted to Ch. Charan Singh University, Meerut, through Department of Biotechnology, Multanimal Modi college, Modinagar-201204, as a part of the degree of Master of Biotechnology, is a bonafied record of Dissertation work carried out by Ms Ritika Chaudhary during 2020-21 and that no part of this Dissertation /report has been submitted for any other degree or diploma of any University.

(Ms. Richa Yadav) Internal Supervisor Department of Biotechnology

(Dr. Ravi Kumar) Coordinator Department of Biotechnology



INDIAN PHARMACOPOEIA COMMISSION

INDIAN PHARMACOPOEIA LABORATORY Ministry of Health & Family Welfare, Government of India Sector-23, Raj Nagar, Ghaziahad- 201 002. Tel No: 0120- 2783392, 2783400, 2783401; Fax: 2783311 Mail: ipclab@vsnl.net, Web: www.jpc.gov.in

CERTIFICATE

This is to certify that Ms. Muskan student of M.Sc. Biotechnology 4th Semester, Multanimal Modi College, Modinagar, Ghaziabad has done project work entitled "In Vitro Antimicrobial Activity Of Ozenoxacin And its Formulation Against Some Human Pathogenic Microorganism" at Microbiology Division of Indian Pharmacopoeia Commission, Ministry of Health & Family Welfare, Government of India, Raj Nagar, Ghaziabad from 1" February 2021 to 30th June 2021, under the Overall guidance of Dr. M. K. Pandey.

Ms. Muskan has successfully completed her project work. During the period of training she was found sincere, punctual and regular. Her conduct and behaviour was good.

Supervisor

(Dr. M. K. Pandey) P(17/2)

Senior Scientific Officer Microbiology Division Indian Pharmacopoeia Commission Ghaziabad, U.P. Co-supervisor

(Dr. Meenukshi Dahiy

Principal Scientific Officer QA Head & Training In-charge, Indian Pharmacopoeia Commission Ghaziabad, U.P.

Tel: 01212 251025 (O) 01212 241490(O)



Department of Biotechnology Multanimal Modi College, Modinagar-201204 (U.P.) (A NACE ACCEDUATION OF LEAD (Affiliated to C.C.S. University, Meerut) Website www.mmcmodinagar.ac.in Email. info@mmcmodinagar.ac.in

Ref No.

1 4 SEP 2021

CERTIFICATE

This is to certify that dissertation entitled "In vitro Antimicrobial Activity of Ozenoxacin and its formulation against some Human pothogenic microorganisms" submitted to Ch. Charan Singh University, Meerut, through Department of Biotechnology, Multanimal Modi college, Modinagar-201204, as a part of the degree of Master of Biotechnology, is a bonafied record of Dissertation work carried out by Ms. Muskan during 2020-21 and that no part of this Dissertation report has been submitted for any other degree or diploma of any University.

(Ms. Anjali Rajpoot) Internal Supervisor Department of Biotechnology

(Dr. Ravi Kumar) Coordinator Department of Biotechnology



Department of Biotechnology Multanimal Modi College, Modinagar-201204 (U.P.) (A NACC ACCREDITATED COLLEGE) (Affiliated to C.C.S.University, Meerut) Website: www.mmcmodinagar.ac.in Email: info@mmcmodinagar.ac.in

Ref. No.

CERTIFICATE

This is to certify that dissertation entitled "Emerging use of Nanotechnology in COVID-19: A bibliometric analysis" submitted to Ch. Charan Singh University, Meerut, through Department of Biotechnology, Multanimal Modi college, Modinagar-201204, as a part of the degree of Master of Biotechnology, is a bonafied record of Dissertation work carried out by Ms Divya Kaushik during 2020-21 and that no part of this Dissertation /report has been submitted for any other degree or diploma of any University.

(Ms. Richa Yadav) Internal Supervisor Department of Biotechnology

(Dr. Ravi Kumar) Coordinator Department of Biotechnology



सीएसआईआर - राष्ट्रीय विद्यान संचार एवं नीति अनुसंधान संस्थान CSIR - National Institute of Science Communication and Policy Research विज्ञानक एवं औषोणिक अनुसंधान परिषद Council of Scientific & Industrial Research विज्ञान और बीबोणिक अनुसंधान परिषद Policy of Science & Industrial Research

Dated: 02.09.2021

TO WIIOMSOVER IT MAY CONCERN

This is to certify that Ms. DIVYA KAUSHIK a Student of M.Sc. Biotechnology 4th semester from Multanimal Modi College, Modinagar (UP) affiliated to Ch. Charan Singh University, Meerut has successfully completed her training from January to June, 2021 at National Institute of Science, Communication & Policy Research (NIScPR) erstwhile, NISTADS.

She worked under the topic "EMERGING USE OF NANOTECHNOLOGY IN COVID-19: A BIBUOMETRIC ANALYSIS".

She has successful completed her training. During the time of her internship program with us, she was found hardworking and inquisitive.

This certificate is being issued to her on her own request.

We wish her every success in life.

10.00

Supervisor Signature (Dr. Madhulika Bhati) CSIR-NIScPR

Authorized Signature

Communication and Policy Research (MIScPR) L. K. VK. gerr uni, ger tiz, all Root-110012 Dr. K. S Kitakaan Mate, Page, Kitar Delti-110012

सान क्रमार कान, इट. के.एट. कुल्पन नार्न, पूटा, नई दिल्ही 110012, भारत Vigen Sancher Bhowen, Dr. K.S. Krishnan Harg, Puss, New Delhi 110012, India प्रोन Phone: +91-11-25846024, 25846385; 25846064, 25843227 फेसर Fax: +91-11-25847062, 25846640

विज्ञान जूबना पवन, 14, सत्तांग विडार मार्ग, नई दित्ती 110067 Vigyon Suchna Bhawan, Satsang Vihar Marg, New Delhi 110067 प्रोन Phone: +91-11-26517059, 26515837; फेल्स Fuz: +91-11-26862228

FAN E-mail: director@niscalcres.in; director@nistads.res.in; items? Websites: www.niscalcres.in; www.nistads.res.in



राष्ट्रीय पादप जीनोम अनुसंधान संस्थान (क क्वलिक तेला, तेवल ल कवलिक राजा, पण जावा व जावा जावा)

NATIONAL INSTITUTE OF PLANT GENOME RESEARCH

annu hanna a' th Dournau a' thachdaing antar, a' Sainn an Thomang Second annu airte ann ann, eil airte, st. airten a' 10531. aif Reeff-110067 Annue Anef All Marg, Pool Box Humber 10531. New Dehi-115067

डी. आसुतीष स्टब्स् देशांचिक Dr. Ashutosh Pandey, mo Staff Scientist पाण्डेय, कल्ल

Date: July 15, 2021

CERTIFICATE

has not been submitted for award of any other degree. Modinagar (Ghazikhad), CCS University Meenst, India. The matter embodied in this repon for the award of the M.Se. Bietechaelogy Degree from Multanimal Modi College months from 1/1/2021 to 30/3/2021 under my supervision and guidance at National Biosynthesis in Mass araminase" is a severch work done by her during a period of three "Identification and Cloning of Repressor Proteins lavelved in the Flavonoid This is to certify that the divertation valentized by Ma. Vanshall Single on the topic institute of plant genome research (NIPGR). This work was carried out in purtial falfitment

Separate of the Supervisor.

Read under

2047 (m)/ %, 101 81-11-302028; 4mi/ Fm: S1-11-2874184

Tel: 01133-251025405 01232-040493005



Multanimal Modi College, Modinagar-201204 (U.P.) Department of Biotechnology

(Affiliated to C.C.S.University, Meenat) (A WACE ACCREDITATED COLLECT) Website ways minemodina parties in Email info@mancroofmaget.ec.in

Ref No

Duted

1 4 SEP 2021

CERTIFICATE

Multanimal Modi college, Modinagar-201204, as a part of the degree of Masser of Charan Singh University, Meerus, through Department of Biotechnology, proteins involved in flavonoid biosynthesis in Mass acaminate" submitted to Ch This is to certify that dissertation entitled "Identification and Cloning of repressor Biotechnology, is a bonafied record of Dissentation work carried out by Ma submitted for any other degree or diploma of any University. Valshall Singh during 2020-21 and that no past of this Dissertation (report has been

Department of Biotechnology (Ma. Anjali Rajpoot) nternal Supervisor

(Dr. Ravi Kumar) Coordinator

Department of Biotechnology



ķ

2

Department of Biotechnology

Multanimal Modi College, Modinagar-201204 (U.P.) (A NACC ACCREDITATED COLLEGE)

(Affiliated to C.C.S.University,Mecrut) Website: www.mmemodinagar.ac.in Email: info@mmemodinagar.ac.in

Ref. No.

CERTIFICATE

This is to certify that dissertation entitled "Studies on Bioethanol production from college, Modinagar-201204, as a part of the degree of Master of Biotechnology, is a Singh University, Meerut, through Department of Biotechnology, Multanimal Modi bonafied record of Dissertation work carried out by Mr. Anuj Sharma during lignocellulosic biomass by submerged fermentation" submitted to Ch. Charan 2020-21 and that no part of this Dissertation /report has been submitted for any other degree or diploma of any University.

(Ms. Anjali Rajpoot) Internal Supervisor Department of Biotechnology

(Dr. Ravi Kumar) Coordinator Department of Biotechnology



Codon Biotech Pvt. Ltd. B-38 SECTOR-64, NORA-201201

Web: www.codeathistech.com E-mail: codeathic pnail.com

DERTIFICATE

2021 TO 12TH JULY 2021 under my guidance and supervision COLLEGE, MODINAGAR, is a record of research work carried out by ANUJ All the help and assistance received during the course of this investigation have SHARMA from 01st MARCH 2021 TO 20th APRIL 2021 and then from 01st JUNE of M.SC. (BIOTECHNOLOGY) from MULTANIMAL MODI POST GRADUATE FERMENTATION" submitted in partial fulfilment for the award of the Degree PRODUCTION FROM LIGNOCELLULOSIC BIOMASS BY SUBMERGED This is to certify that the Project entitled "STUDIES ON BIOETHANOL

been duly acknowledged

Dated : 16/08/2921 Place : Noida No : CBPL2021/113

Julk Phalicoper

(Dr. Tripti Bhatmagar) Managing Director Codon Biotech Pvt. Ltd. Noida



E-mail: contact.ccs@miet.ac.in

Website : www.mietedu.ac.in

14th Aug- 2004

Certificate

for the award of any degree. dissertation, in full or in parts, has not been submitted to any other Institute or University Meerut Institute of Engineering & Technology, Meerut. The component of this MrAbhinav Singh, Assistant Professor, Department of Biotechnology & Microbiology, Biotechnology. It is a record of work carried by him under the supervision of Modi College, Meerut in partial fulfillment of the requirement for the degree of M.Sc. by Mr. Danish, s/o Mr. Rahis Ahmed, to the Faculty of Biotechnology, Multanimal Properties of Azadirachta indica and its Biochemical Characterization" is submitted This is to certify that the dissertation work entitled "Assessment of Bactericidal

the might

MrAbhinav Singh (Supervisor)

MIET, Meenut

Assistant Professor

Ξ.



Department of Biotechnology

Multanimal Modi College, Modinagar-201204 (U.P.) (Affiliated to C.C.S.University, Meerut) (A NACC ACCREDITATED COLLEGE)

Website: www.mmcmodinagar.ac.in Email: info@mmcmodinagar.ac.in

Ref. No.

CERTIFICATE

or diploma of any University. and that no part of this Dissertation report has been submitted for any other degree bonafied record of Dissertation work carried out by Mr. Danish during 2020-21 college, Modinagar-201204, as a part of the degree of Master of Biotechnology, is a University, Meerut, through Department of Biotechnology, Multanimal Modi Indica and its biochemical characterization" submitted to Ch. Charan Singh This is to certify that dissertation entitled "Bactericidal properties of Azadirachta

(Ms. Anjàli Rajpoot) Internal Supervisor Department of Biotechnology

(Dr. Ravi Kumar) Coordinator Department of Biotechnology



MEERUT INSTITUTE OF ENGINEERING & TECHNOLOGY

NH-51, Baghget Road Crossing, Bypass Road, Meerut - 250 005, U.P. INDIA Tal. : +91-121 2439018, 2439057, Fax : +91-121 2439058 (Affiliated to Ch. Charan Singh University, Meerul)

E-mol: contact.tcs@mtet.ec.in

Website : www.mietedu.ac.in

CERTIFICATE

2019-2021 as reported in the present thesis was under the guidance and supervision. The results reported This is to certify that the study conducted by Ms. Rakhi Sharma, Enrollment No. M13821338, during by his are genuite and the candidate himself has written the script of the thesis. His thesis entitled, Microbiology, M.I.E.T. Meerut, affiliated to Ch. Charan Singh University, Meerut. the award of the degree of Master Science in Biotechnology of the Department of Biotechnology and Matters", is therefore being forwarded for the acceptance in partial fulfillment of the requirements for "Screening of Orange Pulp for Antimicrobial activity against Microbes Isolated From Cot

Internal Supervisor

Assistant Professor Department of Biotechnology & Microbiology

MILE T

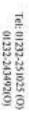
Meerut (U.P)

A1412/21/21

Principal

Department of Biotechnology & Microbiology Dr. Shalini Sharma Meerut (U.P) MLET

Meened Institute of European Pro-Estectopology & Michael The second putter automatic The Junology





Department of Biotechnology

Multanimal Modi College, Modinagar-201204 (U.P.)

(A NACE ACCREDITATED COLLEGE) (Affiliated to C.C.S.University, Meerut)

Website: www.mmcmodinagar.ac.in Email: info@mmccmodinagar.ac.in

Ref. No.

CERTIFICATE

to Ch. Charan Singh University, Meerut, through Department of Biotechnology, This is to certify that dissertation entitled "Screening of Orange pulp for Multanimal Modi college, Modinagar-201204, as a part of the degree of Master of Antimicrobial activity against mibrobes isolated from Cot Mattress" submitted submitted for any other degree or diploma of any University. Sharma during 2020-21 and that no part of this Dissertation /report has been Biotechnology, is a bonafied record of Dissertation work carried out by Ms. Rakhi

(Ms. Anjali Rajpoot) Internal Supervisor Department of Biotechnology

(Dr. Ravi Kumar) Coordinator Department of Biotechnology





Department of Biotechnology Multanimal Modi College, Modinagar-201204 (U.P.)

(A NACC ACCREDITATED COLLEGE)

(Affiliated to C.C.S.University, Meerut) Website: www.mmcmodinagar.ac.in Email: info@mmemodinagar.ac.in

Ref. No. .

Duted: 1 4 SEP 2021

CERTIFICATE

no part of this Dissertation /report has been submitted for any other degree or Modinagar-201204, as a part of the degree of Master of Biotechnology, is a bonafied This is to certify that dissertation entitled "Microbiological Adulteration and diploma of any University. record of Dissertation work carried out by Ms. Akanksha during 2020-21 and that Meerut, through Mastitis I Examination of Cow Milk" submitted to Ch. Charan Singh University, Department of Biotechnology, Multanimal Modi college,

(Ms-Richa Yadav) Department of Biotechnology Internal Supervisor

Department of Biotechnology (Dr. Ravi Kumar) Coordinator



Multanimal Modi College, Modinagar-201204 (U.P.) Department of Biotechnology IA NACC ACCREDITATED COLLEGES

Affiliated to C.C.S.University, Meerut) Website: www.mmcmodeagar.ac.in Email: info@mmcmodinagar.ac.in

Ref: No.

Dated:

1 4 SEP 202,

CERTIFICATE

out by Ms. Nisha Chaudhary during 2020-21 and that no part of this Dissertation degree of Master of Biotechnology, is a bonafide record of Dissertation work carried Biotechnology, Multanimal Modi college, Modinagar-201204, us a part of the submitted to Ch. Charun Singh University, Meerut, through Department of single nucleotide polymorphisms (nsSNPs) associated with endometrial cancer" This is to certify that dissertation entitled "In-silico analysis of non-synonymous (report has been submitted for any other degree or diploma of any University.

(Ma. Richa Yadav) Ele

Department of Biotechnology

+

Hort

(Dr. Ravi Kumar) Coordinator Department of Biotechnology



CERTIFICATE

carried out by the candidate berself during Jan-June, 2021. This thesis has not been fulfillment award of the degree of Masters in Biotechnology are original and have been College, Modinagar affiliated to Chaudhary Charan Singh University for the partial of the thesis, being submitted to the Department of Biotechnology. Muttanimal Modi associated with endometrial cancer" under my supervision and guidance. The contents "In-silico analysis of non-synonymous single nucleotide polymorphiams (nsSNPs) This is to certify that NISHA CHAUDHARY has worked on the research work entitled university summitted in full or part for the award of any other degree or diploma to this or any other

Director DR. SHALINI SINCH

a format 13.7. 2021

DR. SUBHASH MOHAN AGARWAL

Scientist 'E', Bioinformatics Division



MEERUT INSTITUTE OF ENGINEERING & TECHNOLOGY (Affiliated to Ch. Charan Shigh University, Meanut) NH-58, Baghpet Road, Crossing, Bypass Road, Meanut - 250 005, U.P., INDIA Tel: +91-121 2439019, 2439057, Fax: +91-121 2439058

E-mail : contact.ccs@miet.ac.in

4

Website ; www.mietedu.ac.in

CERTIFICATE

MEERUT. bonafide research work carried by Ms. Nishs under the superivision of Mrs. Megha Sirohi fulfillment of the requirement for the degree of Master of the Science in Biotechnology, is a Vegetables And Frutis" submitted to Ch. Charan Singh University, Meerut in partial Assistant Professor Department of Biotechnology and Microbiology, CCS University This is to certify that project report entitled "A Study On Spoilage Microflora Of

of any degree or diploma. It is for the certified for the work has not been submitted elsewhere previously for the award

hafioli

MLLE, T., Meerut (U.P) Microbiology Mrs. Megha Sirohi Department of Biotechnology and Assistant Professor Internal Guide Name

Charlin 121

Microbiology M.I.E.T., Meerut (U.P) Department of Biotechnology and Principal Dr. Shalini Sharma

Meerus Institute of Engineering & Technolog Biotechnology & Microhiology Regramac Meenit-25000 (U.F.) India Principal

- -





Multanimal Modi College, Modinagar-201204 (U.P.) Department of Biotechnology

(A NACC ACCREDITATED COLLEGE) (Affiliated to C.C.S.University, Meerut) Website: www.mmemodinagar.ac.in

Website: www.mmemodinagar.ac.in Email: info@mmemodinagar.ac.in

Ref. No.

CERTIFICATE

record of Dissertation work carried out by Ms. Nisha during 2020-21 and that no part of this Dissertation /report has been submitted for any other degree or diploma Microflora of Vegetables and Fruits" submitted to Ch. Charan Singh University, of any University. Modinagar-201204, as a part of the degree of Master of Biotechnology, is a bonafied Meerut, through Department of Biotechnology, Multanimal Modi college. This is to certify that dissertation entitled "Screening of a study on Spoilage

(Ms. Anjali Rajpoot) Internal Supervisor Department of Biotechnology



(Dr. Ravi Kumar) Coordinator Department of Biotechnology



Tel: 01232-251025 (O) 01232-243492(O)

Multanimal Modi College, Modinagar-201204 (U.P.) Department of Biotechnology (A NACC ACCREDITATED COLLEGE)

(Affiliated to C.C.S.University,Meerut) Website: www.nmemodinagar.ac.in Email: info@mmemodinagar.ac.in

f No

Dated 0 2 JUL 2018

CERTIFICATE

This is to certify that dissertation entitled "Identification of proteins in lungs of a bonafied record of Dissertation work carried out by Ms. Gunjan Tyagi during rats exposed to chronic hypobaric hypoxia" submitted to Ch. Charan Singh college, Modinagar -201204, as a part of the degree of Master of Biotechnology, is University, Meerut, through Department of Biotechnology, Multanimal Modi 2017-18 and that no part of this Dissertation /report has been submitted for any other degree or diploma of any University.

(Ms. Priyanka Verma) Internal Supervisor Department of Biotechnology

Ravi Kumar)

(Dr. Ravi Kumar) Coordinator Department of Biotechnology

Director : \$1-11-23914774 Office : \$1-11-23883111 FAX No : \$1-11-23832889 E-mail : https://www.form.org	Yasmin Ahmad (Dr. Yasmin Ahmad) Scientist Dr Peptide and Proteomics Division	The work carried out by the canavare is property of out of one should not be published without prior approval of Director, DIPAS.	11 th June 2018 in this establishment.	Exposed to Chronic Hypobaric Hypoxia" from 01st february 2018 to	project worke titled "Identification of Proteins in Lung of Rats	Modi (P.C.) College, Modinagar, Chazlabad has undertaken	This is to certify that	CERTIFICATE	Govt of India, Ministry of Defence, Defence Research & Development Organization প্লাহন নমকান মঞ্জা নাঁবালের মন্ধা প্রান্থনাঁহালে ৫৫৫ বিজ্ঞান নাঁবাতের Lucknow Road, Timarpur, Defhi - 110 054 লক্সলেক হাঁচ, নিরামপ্রম ডিল্লা - 110 054	Defence Institute of Physiology and Allied Sciences ব্ৰহ্য থাৰীৰ্চিয়া তথ ৰাজক বিৱাল ৰাৰ্ঘাল (An ISO BOOT : 2000 Centited Institute)
Office : 91-11-23883111 herdsgansflythes.com	JART, 2018 (Dr.Ramesh C. Meena) Scientist D' Member, HRD	proval of Director, DIPAS,		from 01st february 2018 to	Proteins in Lung of Rats	<mark>Bloteckinology, Multanim</mark> al Hazlabad has undertaken	g that		rch & Development Organization ਬਾਰਾ ਲਾਧਾਂ ਧਿਾਠਜਤ੍ਹਾ ਤ੍ਰਮੰਗਣ ਰੀ hi - 110 054 h - 110 054	d Allied Sciences যিক্সাল খাঁথ্যাল আল্লালা





Multanimal Modi College, Modinagar-201204 (U.P.) Department of Biotechnology (A NACC ACCREDITATED COLLEGE)

(Affiliated to C.C.S. University, Meenut) Website: www.mncmodinagar.ac.in

Website: www.mmcmodinagar.ac.in Email: info@mmcmodinagar.ac.in

9 0EC 2020

ef: No.....

CERTIFICATE

degree of Master of Biotechnology, is a bonafied record of Dissertation work carried out by Mr. Lalit Garg during 2019-20 and that no part of this Dissertation /report Biotechnology, Multanimal Modi college, Modinagar -201204, as a part of the submitted to Ch. Charan Singh University, Meerut, through Department of extracts against various strains of Human Pathogenic Microorganism" has been submitted for any other degree or diploma of any University. This is to certify that dissertation entitled "In-vitro evaluation of certain Herbal

(Ms, Richa Yadav) Internal Supervisor Department of Biotechnology

(Dr. Ravi Kumar)

Coordinator Department of Biotechnology



INDIAN PHARMACOPOEIA LABORATORY Ministry of Health & Family Welfare, Government of India INDIAN PARMACOPOEIA COMMISSION Tel N: 0120-2783392, 2783400, 2783401; Fax: 2783311 Mail: ipclab@vsal.net, Web: www.ipc.gov.in Sector-23, Raj Nagar, Ghazabad - 201 002

CERTIFICATE

Teotia September, 2020 to 10th November, 2020 under the overall guidance of Dr. A. K. Nagar, Ghaziabad from 17th February, 2020-20th March, 2020 and from 10th This is to certify that Mr. Lalit Garg student of M.Sc. (Biotechnology), 4th semester, Commission, Ministry of Health and Family Welfare, Government of India, Raj Pathogenic Microorganisms" at Microbiology Division of Indian Pharmacopocia Multanimal Modi College, Modinagar has done project work entitled "In-Vitro Evaluation of Certain Herbal Extracts Against Various Strains of Human

conduct and behaviour was good. report. During the period of training he was found sincere, punctual and regular. His Mr. Lalit Garg has successfully completed his project and submitted the project

Supervisor

(Dr. A. K. Teotia) Principal Scientific Officer Microbiology Division Indian Pharmacopoeia Commission Ghaziabad, UP

Co-Supervisor

Hunder

(Dr. Meenakshi Dahiya) Senior Scientific Officer QA Head & Training In-Charge Indian Pharmacopeia Commission Ghaziabad, U.P



Tel: 01232-251025 (O) 01232-243492(0)

Multanimal Modi College, Modinagar-201204 (U.P.) Department of Biotechnology (A NACC ACCREDITATED COLLEGE)

(Affiliated to C.C.S.University, Meerut) Website: www.mmemodinagar.ac.in Email: info@mmcmodinagar.ac.in

Ref. No.

Dated: U.7 2018

CERTIFICATE

P Multanimal Modi college, Modinagar -201204, as a part of the degree of Master of PRODUCTION THROUGH FRUIT PEELS WASTE BIOMASS" submitted to This is to certify that dissertation entitled "LACTIC ACID AND BIOETHANOL has been submitted for any other degree or diploma of any University. NEHA BHARDWAJ during 2017-18 and that no part of this Dissertation /report Biotechnology, is a bonafied record of Dissertation work carried out by Ms. Charan Singh University, Meerut, through Department of Biotechnology,-

(Ms. Priyanka Verma) Internal Supervisor

Department of Biotechnology

(Dr. Ravi Kumar)

Department of Biotechnology Coordinator



Ref. No: BASE/12 24 Date: 15 (11)

CERTIFICATE

BIOETHANOL PRODUCTION THROUGH FRUIT PEELS WASTE by MS NEHA BHARDWAJ under my supervision during 18th Jan, 2018 to BIOMASS" is a bonafide work record of independent research work done This is certified that the project work entitled "LACTIC ACID AND not previously form the basis for the award of any other Degree, Diploma, degree of Master of Science in Biotechnology and that the dissertation has University Meerut(Campus), in partial fulfillment for the award of the 12n May, 2018, submitted to the Department of Biotechnology, C.C.S. Associateship, Fellowship or other title.

Place : Shastrinagar, Meerut

Date : 18 6/10

HALAN

(Mr. Harish Pal Bhati)

Lab Incharge





Multanimal Modi College, Modinagar-201204 (U.P.) Department of Biotechnology

(Affiliated to C.C.S.University, Meerut) (A NACC ACCREDITATED COLLEGE) Website: www.mmcmodinagar.ac.in

Email: info@mmcmodinagar.ac.in

Dated: JUL 2010

Ref. No ...

ERTIFICATE

Department of Biotechnology, Multanimal Modi college, Modinagar -201204, as of centella asiatica " submitted to Ch. Charan Singh University, Meerut, throug work carried out by Miss. Priyanka during 2017-18 and that no part part of the degree of Master of Biotechnology, is a bonafied record of Dissertation This is to certify that dissertation entitled "Antioxidant and antimicrobial activit Dissertation /report has been submitted for any other degree or diploma of an inversity. of thi

Department of Biotechnology Internal Supervisor (Ms. Priyanka erma)

Department of Biotechnology (Dr. Ravi Kumar Coordinator

100	-	-
÷	R	3
^o	Ē.	\$
<u> </u>	1	0 III
50	H	1
0.5	18	5
20	目	2

\$20L2007PTC163267

710447

Codon Biotech Pvt. Ltd.

Reg. Off: A2221, Gupta palace, Rajouri Garden, N.D-110027 Corp. Off. C-23, Sector-63, Noida-201301 Web : www.codombiotech.com, Email : codombi@gmail.com Tel : 0120 - 4311464, 6561189

CERTIFICATE

is a record of candidates own work carried out by her from requirements for the award of the degree of M.SC IN BIOTECHNOLOGY of Multanimal BACTERIA* which is being submitted by Ms. Deepike Siddhu in partial fulfillment of the It is certify that the project entitled "SYNTHESIS OF COPPER NANOPARTICLES BY 29th* January 2018 to 04th June, 2018, under my supervision and guidance. Modi College, Modinogar

Dated: 04/06/18 Place: Noida No : CBPL2017-18/078

shatnagae Codon Biotech Pvt. Ltd. (Dr. Tripti Bhatnagar) Managing Director 20 X Noida

Tel: 01232-251025 (O) 01232-243492(O)

Multanimal Modi College, Modinagar-201204 (U.P.) (Affiliated to C.C.S.University, Meerut) Department of Biotechnology (A NACC ACCREDITATED COLLEGE) Website: www.mmemodinagar.ac.in

Email: info@mmcmodinagar.ac.in

Dated 2 JUL 201

CERTIFICATE

of Biotechnology, Multanimal Modi college, Modinagar -201204, as a part of the degree of Master of Biotechnology, is a bonafied record of Dissertation work carried out by Miss. Deepika Siddhu during 2017-18 and that no part of this Dissertation This is to certify that dissertation entitled "Synthesis of Copper Nanoparticle by Bacteria" submitted to Ch. Charan Singh University, Meerut, through Department /report has been submitted for any other degree or diploma of any University.

(Ms. Preeti Sharma)

(Ms. Preeti Sharma) Internal Supervisor Department of Biotechnology

Coordinator (Dr. Ravi Kumar)

Department of Biotechnology

Tel: 01232-251025 (O) 01232-245492(O)



Multanimal Modi College, Modinagar-201204 (U.P.) Department of Biotechnology A NACC ACCREDITATED COLLEGE)

(Affiliated to C.C.S.University,Meerut) Website: www.mmemodinagar.ac.in Email: info@mmemodinagar.ac.in

ter No.

CERTIFICATE

201204, as a part of the degree of Master of Biotechnology, is a bonafied record of through Department of Biotechnology, Multanimal Modi college, Modinagar -Dissertation work carried out by Miss Neha pal during 2017-18 and that no part of This is to certify that dissertation entitled "Operation and chemical analysis of milk and dairy product" submitted to Ch. Charan Singh University, Meenut, this Dissertation /report has been submitted for any other degree or diploma of any University.

(Ms. Přeeti Sharma) Internal Supervisor Department of Biotechnology

(Dr. Ravi Kumar) Coordinator

(Department of Biotechnology



Dated the 30" June 2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Neha Pal, Excliment No. M1321409 a 2^m year student of M. 5c. Biotechnologyl from Multanimal Modi College, Modinagar - 201204 (U.P) was an in-Plant Trainee from 6th Feb 2018 to 30th June 2018 in our Organization.

puring the training, we found her sincere & hardworking. She also had a great attritude towards Learning.

We wish her good fuck it success in all her future endeavors.

Unit: Patpogan) For Mother Dairy Fruit & Vegetable Pvt. Ltd

Janmejaya Samai the

Manager - HR

Fit and up the discus addre foliates

1

Norbes Daity Fruit & Vegetable Private Limited Uni. Worker Daity Prufe & Vegetable Private Limited Nept. Office: Mathem Dary, Parjorigan (Defin: 110.042, Tal. 2247.1991 Fax. 011.2247.9601 Nept. Office: Mathem Dary, Parjoriter, Defin: 110.050, India Tal. 2257.0301 Fax. 011.2247.9601 Tables and not but worked, finds to up with No. - carriest state. up. 21478881 The way duly received femily you use use - 22471481 then all 22471888

E-mail: contact/0 momendate Vietoda : www.moleardairy.com

CIN Nor U1 5208DU 2000PTC104671

0001



MOT MEERUT INSTITUTE OF ENGINEERING & TECHNOLOGY

NH-58, Baghpat Road Crossing, Bypass Road, Merul - 250 035, U.P. MOM Tel. : +91-121 2435015, 2439057, Fax : +91-121 2433658

Website : www.mietecu.ac.in

E-mail: contact cose@mielt.ac.itt

CERTIFICATE

Biotechnology of the Department of Biotechnology and Microbiology, M.I.E.T. himself has written the script of the thesis. His thesis entitled, "Screening of Orange isolated from cot mattress", is therefore, being forwarded for the acceptance in partial fulfilment of the requirements for the award of the degree of Master of Science in This is to certify that the study conducted by Mr. Manish Kumar, Enroliment No: M15740316, during 2019-2021 as reported in the present thesis was under my guidance and supervision. The results reported by his are genuine and the candidate (Citrus sinensis) Peel and Pulp for Antimicrobial activity against Microbes MEERUT, affiliated to Ch. Charan Singh University, Meerut.

Department of Biotechnology and M.J.E.T., Meerut (U.P.) Internal Supervisor Assistant Professor Dr. Alka Sagar Microbiology

Shall all

and Department of Biotechnology M.I.E.T., Meerut (U.P.) **Dr. Shalini Sharma** Microbiology Principal

Protocology Park and the Meeter-2502 (1/1/2021-10-104) Meenu Indints of Englishing Biotechipology & Mission S Promote

Tel: 01232-251025 (0) 01232-243492(0)



Department of Biotechnology

Multanimal Modi College, Modinagar-201204 (U.P.)

(Affiliated to C.C.S.University, Meerut)

Website: www.mmcmodinagar.ac.in Email: info@emncmodinagar.ac.in

Ref. No.

Dated: 1 4 SEP 2021

CERTIFICATE

Multanimal Modi college, Modinagar-201204, as a part of the degree of Master of Biotechnology, is a bonafied record of Dissertation work carried out by Mr. Manish during 2020-21 and that no part of this Dissertation /report has been submitted for to Ch. Charan Singh University, Meerut, through Department of Biotechnology. This is to certify that dissertation entitled "Screening of Orange peel and pulp for Antimicrobial activity against mibrobes isolated from Cot Mattress" submitted any other degree or diploma of any University.

(Ms. Anjaŭ Rajpoot) Internal Supervisor Department of Biotechnology

(Dr. Ravi Kumar) Coordinator Department of Biotechnology





Multanimal Modi College, Modinagar-201204 (U.P.) Department of Biotechnology

(Affiliated to C.C.S.University, Meerut) (A NACC' ACCREDITATED COLLEGE) Website: www.nuncusodinugar.ac.in

Email: inforemnentedingar.ac.in

Ref. No.

Daried 2 JUL 2018

CERTIFICATE

This is to certify that dissertation entitled "To evaluate in vitro anti- psoriatic Ms. Anushka Vats during 2017-18 and that no part of this Dissertation /report has activity of Curcumin and Cinnamon through inhibition of keratinocytes in Charan Singh University, Meerut, through Department of Biotechnology, Multanimal Modi college, Modinagar -201204, as a part of the degree of Master of a bonafied record of Dissertation work carried out by HaCaT cells by measuring the cell viability using MITT Assay" submitted to Ch been submitted for any other degree or diploma of any University. Biotechnology, is

Department of Biotechnology (Ms. Richa Yadav) Internal Supervisor

(Dr. Ravi Kumar)

Department of Biotechnology Coordinator



FOUNDATION RESEARCH

DRFMR-Tmg/210

5" June 2018

TO WHOM IT MAY CONCERN

This is to certify that Mis. Anushka Vats has done her training in Dabur Research Foundation, Sahibabad During her association with us she was given projects "To evaluate in-vitro antipsoriatic activity of curcumin and cinnomon through inhibition of keratinocytes in Hacat cells by measuring the cell viability using MTT Assay" effective from 5th January 2018 to 5th June 2018. She performed the assigned task given to her with sincerity and dedication under the guidance of Dr Ritu Verma - Sr, Manager, Cell Biology, Dabur Research Foundation.

We wish her success for a bright future.

For Dabur Research Foundation

Dr Manu Jaggi Chief Scientific Officer

- 40. es 10.

Jayachandran Kandoth Sr. Manager



Multanimal Modi College Modinagar-201204 (U.P.)

(Affiliated to Ch. Charan Singh University, Meerut) (ANAAC Accredited College)

hone No. : 01232 - 243492 ax No. : 01232 - 223620

Ref. No.

Website: www.mmcmodinagar.ac.in Email : info@mmcmodinagar.ac.in

Dated:

CERTIFICATE

TRAL LIBRARY OF SRM UNIVERSITY & SUBHARTI UNIVERSITY mitted to Ch. Charan Singh University, Meerut, through Department of Library ence, Multanimal Modi College, Modinagar-201 204 as a part of the degree of ster of Library and Information Science, is a bonafied record of Dissertation work ied out by Ms. Aarti 2017-2018 and that no part of this Dissertation/ report has n submitted for any other degree or diploma of any University.

rs. Geetanjali Sharma] D Partment of Library Science

y-Li-

[Dr. Ravi Kumar] Coordinator Department of Library Science COORDINATOR PROFESCIONIAL STUDIES AND TEXANDAG CAMARING AND TEXANDAG CAMARING MULTANIMA MOUL CILLIGE MULTANIMA MOUL CILLIGE MODINAGAR - 201204



MULTANIMAL MODI COLLEGE, MODINAGAR Department of Library & Information Science (Affiliated to C.C.S. University Meerut)

CERTIFICATE

This is to Certified that Arun Tyagi has completed her dissertation entitled, "APPLICATION OF IT IN KNOWLEDGE MANAGEMENT IN KIET COLLEGE MURADNAGAR" Submitted in partial fulfilment of the requirement for the award of the degree of Master of Information Science.

He has conducted the work under my supervision and guidance.

Place Modinary

Date 22. July 2017

FLIT

Dr. Geetanjali Shrama

HOD & Assistant Professor

COORDINATOR PROFESSION SUES AND AUS MULTANE SUBJECT ALLEGE MODINAGAR - 201204



Multanimal Modi College Modinagar-201204 (U.P.)

(Affiliated to Ch. Charan Singh University, Meerut)

Phone No. : 01232 - 243492 Fax No. : 01232 - 223620

Website: www.mmcmodinagar.ac.in Email : info@mmcmodinagar.ac.in

Ref. No.

Dated: 2 .. 2 ... jUL ... 2017

CERTIFICATE

This is to certify that dissertation entitled "Collection Development And User Services in the Libraries of Engineering Colleges of Muradnagar Region" submitted to Ch. Charan Singh University, Meerut, through Department of Library & Information Science, Multanimal Modi College, Modinagar-201204, as a part of the degree of Master of Library & Information Science, is a bonafied record of dissertation work carried out by Km. Megha Chaudhary during 2016-2017 and that no part of this Dissertation / Report has been submitted for any other degree or diploma of any University.

[Dr. Deepak Sharma] Internal Supervisor DLIS

The

[Dr. Ravi Kumar] Coordinator DLIS

COORDINATOR PROFESSION STREES AND TRUE TO AND IN ANY IS MULTANIMAN MALE ULBOE MODINAGAN - 201204

Deptt. 01232-251025 Off. : 01232-243492



DEPARTMENT OF LIBRARY & INF. SCIENCE Multanimal Modi (P.G.) College

Modinagar-201 204 (A NACC ACCREDITED B' COLLEGE

(Affiliated to C.C.S. University, Meerut)

Website : www.mmcollegemodinagar.org E-mail : mmc@mmcollegemodinagar.org

Ref. No.

CERTIFICATE

This is to certify that dissertation entitled "USE OF E-RESOURCES BY THE USERS OF NISCAIR: NEW DELHI" submitted to Ch. Charan Singh University, Meerut, through department of Library and Information Science, Multanimal Modi College, Modinagar-201204, as a part of the degree of Master of Library and Information Science, is a bonafied record of Dissertation work carried out by Ms. Shweta Singh During 2016-2017 and that no part of this Dissertation/ Report has been submitted for any other degree or diploma of any university.

Mrs. Shalin

Asstt. Professor Department of Library & Info. Science MM College, Modinagar

for 7-i-L

Dr. Ravi Kumar Coordinator Department of Library & Info. Science MM College, Modinagar

COORDINATOR PROFILSSIONAL STUDIED AND TEACH AMPLIC MOLTANIMO MOUTOLLEOL MODINACIAE - 20120

Deptt. 01232-251025 Off. : 01232-243492



DEPARTMENT OF LIBRARY & INF. SCIENCE Multanimal Modi (P.G.) College

Modinagar-201 204 (A NACC ACCREDITED B' COLLEGE (Affiliated to C.C.S. University, Meerut)

Website : www.mmcollegemodinagar.org E-mail : mmc@mmcollegemodinagar.org

f.No.

Dated

CERTIFICATE

This is to certify that dissertation entitled "Comparative study among KVS libraries in Ghaziabad Region" submitted to Ch. Charan Singh University, Meerut, through department of Library and Information Science, Multanimal Modi College, Modinagar-201204, as a part of the degree of Master of Library and Information Science, is a bonafied record of Dissertation work carried out by Mrs. Ashu Sharma During 2016-2017 and that no part of this Dissertation/ Report has been submitted for any other degree or diploma of any university.

Dr. Deepak Kumar Sharma Asstt. Professor Department of Library & Info. Science MM College, Modinagar

Dr. Ravi Kumar Coordinator

1-1-1-

Department of Library & Info. Science MM College, Modinagar

COORDINATOR PROFESSTIDIES ANI MPUS MULTANIMAL OLLEGE MODINAGAR - 201204

Tel: 01232-251025 (O) 01232-243492 (O)

Department of Library & Information Science Multanimal Modi College, Modinagar - 201204 (U.P.) (A NACC ACCREDIATED COLLEGE) (Affiliated to C.C.S. University, Meerut)

Website: www.mmcmodinagar.ac.in Email: info@mmcmodinagar.ac.in

Ref No.

Dated

CERTIFICATE

This is to certify that dissertation entitled "USE OF INFORMATION SOURCES BY FACULTY MEMBERS, RESEARCH SCHOLARS IN IMS COLLEGE, GHAZIABAD: A SURVEY" submitted to Ch. Charan Singh University, Meerut, Through Department of Library Science, Multanimal Modi (P.G.) College, Modinagar – 201204 as a part of the degree of Master of Library Science, is a bonafied record of Dissertation work carried out by Miss. AARTI CHAUDHARY during 2018-2019 and that no part of this dissertation / report has been submitted for any other degree of diploma of any university.

7-1-1

[Mrs. GEETANJALI SHARMA]

(Head of the Department) Department of Library Science Science

[Dr. RAVI KUMAR]

(Project Coordinator)

Department of Library Science

Science

COORDINATOR STIDIES PROFF 1215 ANT GLLEGE MULTANINIAL MODINAGAR - 201204

Deptt. 01232-251025 Off. : 01232-243492

DEPARTMENT OF LIBRARY & INF. SCIENCE Multanimal Modi (P.G.) College

> Modinagar-201 204 (A NACC ACCREDITED B' COLLEGE (Affiliated to C.C.S. University, Meerut)

Website : www.mmcollegemodinagar.org E-mail : mmc@mmcollegemodinagar.org

Ref. No.

Dated

CERTIFICATE

This is to certify that dissertation entitled "Effectiveness of Library Services and User Satisfaction in the Changing Environment of Information Technology in S.S.V. College, Hapur" submitted to Ch. Charan Singh University, Meerut, through department of Library and Information Science, Multanimal Modi College, Modinagar-201204 as a part of the degree of Master of Library and Information Science, is a bonafied record of Dissertation work carried out by Ms. Preeti Sirohi During 2018-2019 and that no part of this Dissertation/ Report has been submitted for any other degree or diploma of any university.

Supervisor Mrs. Shalini Gupta Asstt. Professor Deptt. of Library & Info. Science

Co-ordinator Dr. Ravi Kumar Coordinator

Deptt. of Library & Info. Science

COORDINATOR PROTECTION AND OLLEGE MULTANIMUM OLLEGE MODINAGAR - 201204

Tel: 01232-251025 (O) 01232-243492 (O)



Department of Library & Information Science Multanimal Modi College, Modinagar - 201204 (U.P.) (A NACC ACCREDIATED COLLEGE) (Affiliated to C.C.S. University, Meerut) Webste: www.innemodinagar.sc.in Email: info@mmemodinagar.sc.in

Ref No.

Dated:

CERTIFICATE

This is to certify that dissertation entitled "THE UTILITY OF INFORMATION SOURCES AND SERVICES DISTRICT LIBRARY, NANDGRAM REGION" submitted to Ch. Charan Singh University, Meerut, Through Department of Library Science, Multanimal Modi (P.G.) College, Modinagar – 201204 as a part of the degree of Master of Library Science, is a bonafied record of Dissertation work carried out by Mr. Ajeet Pal during 2018-2019 and that no part of this dissertation / report has been submitted for any other degree of diploma of any university.

[Dr. GEETANJALI SHARMA] (Asst. Professor)

Department of Library Science

Science

[Dr. RAVI KUMAR]

(Project Coordinator)

Department of Library Science

Science

PRO EGE MULLIN MODINAGAR - 201204

Deptt. 01232-251025 Off. : 01232-243492

DEPARTMENT OF LIBRARY & INF. SCIENCE Multanimal Modi (P.G.) College

Modinagar-201 204 (A NACC ACCREDITED B' COLLEGE (Affiliated to C.C.S. University, Meerut) Website : www.mmcollegemodinagar.org E-mail : mmc@mmcollegemodinagar.org

2 2 JUL 2017

CERTIFICATE

his is to certify that dissertation entitled "IT Application and user Satisfaction in Degree College Libraries in Meerut" submitted to Ch. Charan Singh University, Meerut, through department of Library and Information Science, Multanimal Modi College, Modinagar- 201204, as a part of the degree of Master of Library and Information Science, is Ibonafied record of Dissertation work carried out by Miss Priya During 2016-2017 and that to part of this Dissertation/ Report has been submitted for any other degree or diploma of my university.

Geetanjali Sharma

Ref. No.

artment of Library & Info. Science

Dr. Ravi Kumar Coordinator Department of Library & Info. Science

COORDINATOR PROFES AND MULTAMIN JULLEGE MODINAGAR - 201204

Deptt. 01232-251025 Off. : 01232-243492



DEPARTMENT OF LIBRARY & INF. SCIENCE Multanimal Modi (P.G.) College

Modinagar-201 204 (A NACC ACCREDITED B' COLLEGE (Affiliated to C.C.S. University, Meerut)

Website : www.mmcollegemodinagar.org E-mail : mmc@mmcollegemodinagar.org

Ref No.

Dated

CERTIFICATE

This is to certify that dissertation entitled "A SURVEY OF NATIONAL MUSEUM INSTITUTE OF THE HISTORY OF ART, CONSERVATION AND MUSEOLOGY, NEW DELHI" submitted to Ch. Charan Singh University, Meerut, through department of Library and Information Science, Multanimal Modi College, Modinagar-201204, as a part of the degree of Master of Library and Information Science, is a bonafied record of Dissertation work carried out by Mrs. Neha Goel During 2016-2017 and that no part of this Dissertation/ Report has been submitted for any other degree or diploma of any university.

Spalin

Mrs. Shalini Gupta Asstt. Professor Department of Library & Info. Science MM College, Modinagar

for 7-Li-L

Dr. Ravi Kumar Coordinator Department of Library & Info. Science MM College, Modinagar

COORDINATOR PROFESSION DIES AND TR US MULTANIMAL MOLI COLLEGE MODINAGAR - 201204



Multanimal Modi College Modinagar-201204 (U.P.)

(Affiliated to Ch. Charan Singh University, Meerut) (ANAAC Accredited College)

Phone No. : 01232 - 243492 Fax No. : 01232 - 223620 Website: www.mmcmodinagar.ac.in Email : info@mmcmodinagar.ac.in

Dated

Ref. No.

CERTIFICATE

his is to certify that dissertation entitled **"User Satisfaction in the SRM Iniversity Library: A Survey**" Submitted to Ch. Charan Singh University, Idenut, through Department of Library Science, Multanimal Modi College, dodinagar-201 204 as a part of the degree of Master of Library and Information cience, is a bonafied record of Dissertation work carried out by Ms. Arti 2017-018 and that no part of this Dissertation/ report has been submitted for any other egree or diploma of any University.

Mrs. Geetanjali Sharma] OD Spartment of Library Science

[Dr. Ravi Kumar] Coordinator Department of Library Science

COORDINATOR PROFESSIONAL SE AND TO SE MULTINGAR - 201224

Off 01232-243492 Res. 01232-221546



Multanimal Modi (P.G.) College Modinagar – 201204 (A NACC ACCREDITATED B' COLLEGE) (Affiliated to C.C.S. University, Meerut) Website: www.mmcollegemodinagar.org Email: mmc@mmcollegemodinagar.org

Ref. No.....

Date:.....

CERTIFICATE

This is to certify that dissertation entitled "APPLICATION OF IT IN KNOWLEDGE MANAGEMENT IN KIET COLLEGE MURADNAGAR " submitted to Ch. Charan Singh University, Meerut, through Department of Library Science, Multanimal Modi (P.G.) College, Modinagar – 201204, as a part of the degree of Master of Library & Information Science, is a bonafide record of Dissertation work carried out by Neetu Choudhary during 2017-2018 and that no part of this Dissertation/report has been submitted for any other degree or diploma of any University.

frmit Maure

Mr. Amit Maurya Lecturer Department of Library & Information Science M.M. (PG) College, Modinagar



Multanimal Modi College Modinagar-201204 (U.P.)

(Affiliated to Ch. Charan Singh University, Meerut) (ANAAC Accredited College)

Phone No. : 01232 - 243492 Fax No. : 01232 - 223620 Website: www.mmcmodinagar.ac.in Email : info@mmcmodinagar.ac.in

Dated:

Ref. No.

CERTIFICATE

his is to certify that dissertation entitled "COLLECTION DEVELOPMENT AND SER SERVICES IN R.D. FOUNDATION, MOHIUDDINPUR" Submitted to h. Charan Singh University, Meerut, through Department of Library Science, Multanimal lodi College, Modinagar-201 204 as a part of the degree of Master of Library and iformation Science, is a bonafied record of Dissertation work carried out by Ms. Neetu 017-2018 and that no part of this Dissertation/ report has been submitted for any other degree t diploma of any University.

Andman Mr. Amit Maurya sstt. Professor lepartment of Library Science

[Dr. Ravi Kumar] Coordinator Department of Library Science

COORDINATOR PROFESSIONAL STUDIES AND TRAINING CAMPUS MULTANIMAL MODI COLLEGE MODINAGAR - 201204