

*“Exploring Phytochemical Inhibitors of Protein Kinase C  
Alpha (PKCa) for therapeutic targeting of Alzheimer's  
disease”*



A dissertation submitted to

**CHL CHARAN SINGH UNIVERSITY, MEERUT**

In partial fulfillment of the requirement for the award of the degree of

**Master of Science in Bioinformatics**

By:

**AAZAD**

(IVth Semester)

Roll No. 220867250001

Session 2022 - 2024

Under the supervision of

**Dr. Md. Imtaiyaz Hassan**

(Associate Professor )

Centre for Interdisciplinary Research in Basic Sciences,

Jamia Millia Islamia, New Delhi-110025

(External Supervisor)

**M.Sc. PROJECT (BIOINFORMATICS)**

**ENTITLED :** *“Exploring Phytochemical Inhibitors of Protein Kinase C Alpha(PKCa) for therapeutic targeting of Alzheimer’s disease”*

**Student’s Name**                      **AAZAD**

**Father’s Name**                      **MOH. HANIF**

**Mother’s Name**                      **SHAHNAJ**


**Roll No.**                                **220867250001**

**Enrollment No.**                      **18278271**

**Department**                          **Bioinformatics**

**College Name**                          **Janta Vedic College Baraut (Baghpat)**

  
.....  
**External Examiner**

  
.....  
**Coordinator of Department**  
**Co-Ordinator**  
**Deptt. of Bioinformatics**  
**J.V.College, Baraut (Baghpat)**

  
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**Supervisor**

*In silico pathway enrichment analysis for identifying hub genes and potential biomarkers in Focal Segmental Glomerulosclerosis*



A dissertation submitted to

**CH. CHARAN SINGH UNIVERSITY, MEERUT**

In partial fulfillment of the requirement for the award of the degree of

**Master of Science in Bioinformatics**

By:

**CHARU JAIN**

**(IV Semester)**

**Roll No. 220867250002**

**Session 2022 - 2024**

**Under the supervision of**

**Dr. GAJENDRA PRATAP SINGH**

**Assistant Professor**

**School of Computational and Integrative Sciences**

**Jawaharlal Nehru University, New Delhi**

**M.Sc. PROJECT (BIOINFORMATICS)**

ENTITLED: **In silico pathway enrichment analysis for identifying  
hub genes and potential biomarkers in Focal Segmental  
Glomerulosclerosis**

Student's Name Charu Jain

Father's Name Sudhir Jain

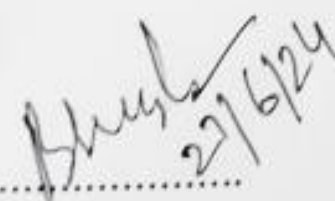
Mother's Name Neema Jain


Roll No. 220867250002

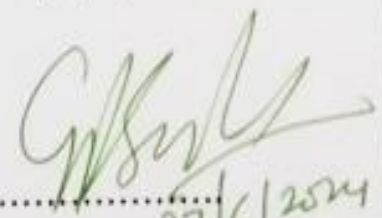
Enrollment No. M19295582

Department Bioinformatics

College Name Janta Vedic College, Baraut (Baghpat)

  
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External Examiner

  
.....  
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Supervisor  
27/6/2024  
@ 10:40 pm

# *Identification of differentially expressed genes of cervical cancer using Bioinformatics approach*



A dissertation submitted to

**CH. CHARAN SINGH UNIVERSITY, MEERUT**

In partial fulfillment of the requirement for the award of the degree of

**Master of Science in Bioinformatics**

By:

**IKRAA**

(4th Semester)

**Enrolment- No.: 1827810**

Session 2021-2023

Under the supervision of

**Dr. Manoj Kumar (Assistant Professor)**



**JANTA VEDIC COLLEGE**

Baraut, Baghpat, Uttar Pradesh 250611

## M.Sc. PROJECT (BIOINFORMATICS)

**ENTITLED:** Identification of differentially expressed genes of cervical cancer using by Bioinformatics approach

**Student's Name**                      **Ikraa**

**Father's Name**                      **Naushad**

**Mother's Name**                      **Shahida**

**Roll No.**                                      **22086750003**

**Enrollment No.**                      **M18278105**

**Department**                              **Bioinformatics**

**College Name**                              **Janta Vedic College Baraut (Baghpat)**

  
**External Examiner**

  
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**Supervisor**

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Dr. Manoj Kumar Sharma  
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# “The impact of COVID-19 on mental health of health care workers”



A dissertation submitted to

**CH. CHARAN SINGH UNIVERSITY, MEERUT**

In partial fulfillment of the requirement for the award of the degree of

Master of Science in

**Bioinformatics**

By:

**Iram Jahan**

(4<sup>th</sup> Semester)

Roll No. 220867250004

Session 2022-2024

**Under the supervision of**

Dr. Rafat Parveen

Asstt. Professor

Department of Computer Science

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Jamia Nagar, New Delhi 110025

Session 2022-2024

Under the supervision of

Dr. Rafat Parveen

Professor

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Jamia Nagar, New Delhi -110025,

**MSc. PROJECT (BIOINFORMATICS)**

Entitled: Impact of COVID -19 on mental health of healthcare workers .

Student's Name

Iram Jahan

Father's Name

Allabanda

Mother's Name

Noor nisha

Roll No.

220867250004

Enrollment No.

M18278106

Department

Bioinformatics

College Name

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*Baghpat*  
*28/6/24*

External Examiner

*Man*

Coordinator of Department

*Rafat*  
*28/6/24*

Dr. Rafat Parveen

Supervisor



**IN SILICO DRUG RESEARCH STUDIES AGAINST  
BREAST CANCER TARGETING HER2 VIA VIRTUAL  
SCREENING AND MOLECULAR DOCKING**

**DEPARTMENT OF BIOINFORMATICS**

**JANUARY – JUNE 2024**



**CCS UNIVERSITY MEERUT**

**SUPERVISED BY:**

**DR. Vinod Kumar Gupta**  
Senior Scientist  
Rupture Biotech Noida  
Biotech/Bioinformatics department

**SUBMITTED BY:**

**Mona**  
M.Sc. Bioinformatics  
Roll no. 220867250005

# CERTIFICATE



## CERTIFICATE

This is to certify that **Ms. Mona D/o Mr. Narendra Tomar**, student of **M.Sc. Bioinformatics**, from **J.V. College Baraut, CCS University, Meerut** has successfully completed her **6 Months Research Project Training Program**, starting from **2<sup>nd</sup> Jan 2024** to **30<sup>th</sup> June 2024** under the guidance of **Dr. Vinod Kumar Gupta** in our **Biotechnology Division at NOIDA Campus** with **A+ Grade** on the topic:

**"In Silico Drug Research Studies against Breast Cancer Targeting HER2 via Virtual Screening and Molecular Docking"**

We wish for her bright future.

Certificate number: RTPN-2406/73

For RAPTURE BIOTECH

**Mr. Mayank Raj Bhardwaj**  
Chief Executive Officer  
Rapture Biotech, India

**RAPTURE BIOTECH INTERNATIONAL (P) Ltd. D-201 Sector 10, Noida (U.P) INDIA Pin: 201301**  
Helpline : 9910181655, 9027326396 Email : info@rapturebio.com Website : www.rapturebio.com  
Noida | Mohali | Ahmedabad | Mumbai | Dehradun | Hyderabad | Chennai | Jaipur | Gwalior | Dubai

Sig.  
Examinas Examiner  
Bhardwaj  
2-9/6/24

**Co-Ordinator**  
**Deptt. of Bioinformatics**  
**J.V.College, Baraut (Baghpat)**

*“In Silico Genome Wide Identification of NHX4 protein  
In Nymphaea\_colorata”*



A dissertation submitted to

**CH. CHARAN SINGH UNIVERSITY, MEERUT**

In partial fulfillment of the requirement for the award of the degree of

Master of Science in Bioinformatics

By:

**Monty Ujjwal**

**(IVth Semester)**

**Roll No. 220867250007**

**Session 2022-2024**

Under the supervision of

**Dr. Manoj Kumar Sharma**

**Assistant Professor**

**Dept. of Bioinformatics**

**Janta Vedic College Baraut (Baghpat)**

**M.Sc. PROJECT (BIOINFORMATICS)**

**ENTITLED:** *Genome Wide Identification of NHX4 protein In Nymphaea\_colorata*

**Student's Name** Monty Ujjwal

**Father's Name** Satywan Singh

**Mother's Name** Anita Devi

**Roll No.** 220867250007

**Enrollment No.** M17898048

**Department** Bioinformatics

**College Name** Janta Vedic College Baraut (Baghpat)

**External Examiner**

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*Manoj*  
Supervisor

**Co-Ordinator**  
**Deptt. of Bioinformatics**  
**J.V.College, Baraut (Baghpat)**

**Dr. Manoj Kumar Sharma**

*"Bioinformatics Analysis for Identifying Hub Genes  
Involved in Brain Metastasis of Breast Cancer"*



A dissertation submitted to

**CH. CHARAN SINGH UNIVERSITY, MEERUT**

In partial fulfilment of the requirement for the award of the degree of

Master of Science in Bioinformatics

By:

**PRACHI TOMAR**

(IVth Semester)

Roll No. 220867250008

Session 2022 - 2024

Under the supervision of

**Dr GAJENDRA PRATAP SINGH**

Assistant Professor

School of Computational and Integrative Sciences

Jawaharlal Nehru University, New Delhi

## M.Sc. PROJECT (BIOINFORMATICS)

Entitle: "Bioinformatics Analysis for Identifying Hub Genes Involved in Brain Metastasis of Breast Cancer"

Student's Name	Prachi Tomar
Father's Name	Ramnivas Tomar
Mother's Name	Rajesh
Roll No.	220867250008
Enrollment No.	M19295648
Department	Bioinformatics
College Name	Janta Vedic College, Baraut (Baghpat)

External Examiner

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Coordinator of Department

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Co-Ordinator  
Deptt. of Bioinformatics  
J.V.College, Baraut (Baghpat)

Supervisor

*[Handwritten Signature]*  
27/6/2024  
23:00 hrs

*“In Silico genome wide identification and analysis of  
MATE gene in Cannabis sativa female”*



**A dissertation Submitted to**

**Ch. Charan Singh University, Meerut**

In the partial fulfillment for the award of the degree of

**Master of Science in Bioinformatics**

By

**Rajesh Kumar**

**(IVth Semester)**

**Roll No. 220867250009**

**Session 2023-2024**

Under the supervision of

**Dr. Manoj Kumar Sharma**

Assistant Professor

Dept. of Bioinformatics

**M.Sc. PROJECT (BIOINFORMATICS)**

**ENTITLED** **In silico genome wide identification and analysis  
of MATE gene in cannabis sativa female**

**Student's Name** **Rajesh kumar**

**Father's Name** **Ramfal**


**Mother's Name** **kreshna**


**Roll No.** **220867250009**


**Enrollment No.** **M-17898078**

**Department** **Bioinformatics**

**College Name** **Janta Vedic College Baraut (Baghpat)**

  
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**Dr. Manoj Kumar Sharma**



**“Identification of MATE protein in Cucumis sativus  
using in silico genome wide approach”**



A dissertation submitted to

**CH. CHARAN SINGH UNIVERSITY, MEERUT**

In partial fulfillment of the requirement for the award of the degree of

**Master of Science in**

**Bioinformatics**

**By:**

**Rohini Kumari**

**(IVth Semester)**

**Roll No. 220867250010**

**Session 2023-2024**

**Under the supervision of**

**Dr. Manoj Kumar Sharma**

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**Dept. of Bioinformatics**

**Janta Vedic College Baraut (Baghpat)**

**MSc. PROJECT (BIOINFORMATICS)**

**ENTITLED:** *"Identification of MATE protein in Cucumis sativus using in silico genome wide approach"*

**Student's Name** Rohini Kumari

**Father's Name** Rishipal Singh

**Mother's Name** Manoj Devi

**Roll No.** 220867250010

**Enrollment No.** M13787916

**Department** Bioinformatics

**College Name** Janta Vedic College Baraut (Baghpat)

*Manoj*  
*28/6/24*  
**External Examiner**

**Coordinator of Department**

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Dr. Manoj Kumar Sharma

**Supervisor**

*Manoj*  
Dr. Manoj Kumar Sharma

***“ Impact of COVID-19 on mental health of health care workers ”***



**A dissertation submitted to**

**CH. CHARAN SINGH UNIVERSITY,  
MEERUT**

In partial fulfillment of the requirement for the  
award of the degree of

**Master of Science in Bioinformatics**

**By:**

**Ruchi Vashistha**

**(IV Semester)**

**Roll No. 220867250011**

**Session 2022-2024**

**Under the supervision of**

**Dr. Rafat Parveen**

**Professor**

**Department of Computer Science**

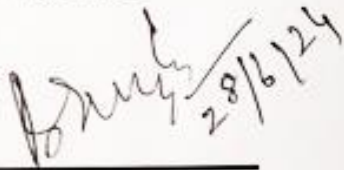
**Jamia Millia Islamia (Central University)**

**Jamia Nagar, New Delhi -110025,**

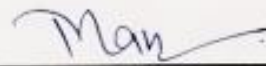
## MSc. PROJECT (BIOINFORMATICS)

Entitled: Impact of COVID -19 on mental health of healthcare workers .


Student's Name	Ruchi Vashistha
Father's Name	Brijmohan Sharma
Mother's Name	Babita
Roll No.	220867250011
Enrollment No.	M18278189
Department	Bioinformatics
College Name	J. V. College Baraut (Baghpat)

  
28/6/24

External Examiner



Cordinator of department

  
26/06/2024  
Dr. Rafat Parveen

Supervisor

Professor  
Department of Computer Science  
Jamia Millia Islamia (Central University)  
New Delhi-110025

***“In silico identification of potential kinase c beta PKC $\beta$  inhibitors through virtual screening approach”***



A dissertation submitted to

**CH. CHARAN SINGH UNIVERSITY, MEERUT**

In partial fulfilment of the requirement for the award of the degree of

***Master of Science in Bioinformatics***

***Submitted By:***

***Sahil khokhar***

***(IV<sup>th</sup> Semester)***

***Roll No. 220867250012***

***Session 2022 - 2024***

***Under the supervision of***

***Prof. Dr. Md Imtaiyaz Hassan***

***Centre for Interdisciplinary Research in Basic Sciences,***

***Jamia Millia Islamia,***

***Jamia Nagar,***

***New Delhi-110025***

***“In silico identification of potential kinase c beta PKC $\beta$  inhibitors through virtual screening approach”***

Student's Name

Sahil Khokhar

Father's Name

Anwar Khan

Mother's Name

Sahina

Roll No.

220867250012

Enrolment No.

M19295862

Department

Bioinformatics

College Name

Janta Vedic College Baraut (Baghpat)

*Shiv*  
*28/6/24*

*Man*

.....  
External Examiner

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Coordinator of Department

*“Discovering Essential Hub Genes in Malaria via  
Bioinformatics Analysis”*



A dissertation submitted to

**CH. CHARAN SINGH UNIVERSITY, MEERUT**

In partial fulfillment of the requirement for the award of the degree of

**Master of Science in Bioinformatics**

By:

**Sakshi Tomar**

**(IV<sup>th</sup> Semester)**

**Roll No. 220867/50013**

**Session 2022- 2024**

Under the supervision of

**Dr GAJENDRA PRAFAP SINGH**

**Assistant Professor**

**School of Computational & Integrative Science**

**Jawaharlal Nehru University, New Delhi**

## M.Sc. PROJECT (BIOINFORMATICS)

**Entitle:** "Discovering essential hub genes in malaria via bioinformatics analysis"

**Student's Name** Sakshi Tomar

**Father's Name** Kaluram Tomar

**Mother's Name** Babli

**Roll No.** 220867250013

**Enrollment No.** M19295672

**Department** Bioinformatics

**College Name** Janta Vedic College Baraut (Baghpat)

*Ashuugh*  
25/6/24

**External Examiner**

*Mans*

**Coordinator of Department**

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**Supervisor**

27/6/2024  
25:00 hrs



***“In Silico Genome Wide Identification of HSP protein In  
Ananas comosus”***



A dissertation submitted to

**CH. CHARAN SINGH UNIVERSITY, MEERUT**

In partial fulfillment of the requirement for the award of the degree of

**Master of Science in Bioinformatics**

By:

**Sarita**

**(IVth Semester)**

**Roll No. 220867250014**

**Session 2023-2024**

Under the supervision of

**Dr. Manoj Kumar Sharma**

**Assistant Professor**

**Dept. of Bioinformatics**

**Janta Vedic College Baraut (Baghpat)**

**M.Sc. PROJECT (BIOINFORMATICS)**

**ENTITLED:** *In silico* genome wide identification and analysis of HSP gene in *Ananas-comosus*

**Student's Name** Sarita

**Father's Name** Ashok Kumar

**Mother's Name** Krishana Devi

**Roll No.** 220867250014

**Enrollment No.** M19295677

**Department** Bioinformatics

**College Name** Janta Vedic College Baraut (Baghpat)

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**Supervisor**

**Dr. Manoj Kumar Sharma**

*“In Silico Genome Wide Identification of Di19 protein In Prunus Avium”*



A dissertation submitted to

**CH. CHARAN SINGH UNIVERSITY, MEERUT**

In partial fulfillment of the requirement for the award of the degree of

**Master of Science in Bioinformatics**

By:

**Shivani**

(IVth Semester)

**Roll No. 220867250015**

**Session 2022-2024**

Under the supervision of

**Dr. Manoj Kumar Sharma**

**Assistant Professor**

**Dept. of Bioinformatics**

**Janta Vedic College Baraut (Baghpat)**

**M.Sc. PROJECT (BIOINFORMATICS)**

**ENTITLED:** *In silico* genome wide identification and analysis of Di19 gene in *Prunus Avium*

**Student's Name** Shivani

**Father's Name** Bhopal Singh

**Mother's Name** Sabita

**Roll No.** 220867250015

**Enrollment No.** 16102945

**Department** Bioinformatics

**College Name** Janta Vedic College Baraut (Baghpat)

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**Dr. Manoj Kumar Sharma**

***“ Impact of COVID-19 on mental health of health care workers ”***



**A dissertation submitted to**

**CH. CHARAN SINGH UNIVERSITY,  
MEERUT** In partial fulfillment of the requirement  
for the award of the degree of

**Master of Science in Bioinformatics**

**By:**

**Shivani**

**(IV Semester)**

**Roll No. 220867250016**

**Session 2022-2024**

**Under the supervision of**

**Dr. Rafat Parveen**

**Professor**

**Department of Computer Science**

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## MSc. PROJECT (BIOINFORMATICS)

Entitled: Impact of COVID -19 on mental health of healthcare workers .

Student's Name	Shivani
Father's Name	Sanjeev
Mother's Name	Geeta Devi
Roll No.	220867250016
Enrollment No.	M18290984
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*26/06/24*

Dr. Rafat Parveen

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New Delhi-110025

*“Pisum sativum’s MATE protein was identified genome-wide in Silico.”*



A dissertation submitted to

**CH. CHARAN SINGH UNIVERSITY, MEERUT**

In partial fulfillment of the requirement for the award of the degree of

Master of Science in Bioinformatics

By:

**Shivani Shaharawat**

(IVth Semester)

Roll No. R220867250017

Session 2023-2024

Under the supervision of

**Dr. Manoj Kumar Sharma**

Assistant Professor

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MSc. PROJECT (BIOINFOMATICS)

ENTITLED: *Pisum sativum's MATE protein was identified genome-wide in Silico.*

Student's Name Shivani Shaharawat

Father's Name MR. Sukrampal

Mother's Name Mithlesh Devi

Roll No. 220867250017

Enrollment No. 19295693

Department Bioinformatics

College Name Janta Vedic College Baraut (Baghpat)

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Dr. Manoj kumar sharma



*“Comprehensive bioinformatics analysis for discovery of crucial genes, pathways, and potential therapeutic drugs against melanoma”*



A dissertation submitted to  
**CH. CHARAN SINGH UNIVERSITY, MEERUT**

In partial fulfillment of the requirement for the award of the degree of  
**Master of Science in Bioinformatics**

**By:**

**Soniya**

**(IV<sup>th</sup> Semester)**

**Roll No. 220867250018**

**Session: 2022 - 2024**

**Under the supervision of**

**Dr Gajendra Pratap Singh**

**Assistant Professor**

**School of Computational and Integrated Sciences**

**Jawaharlal Nehru University**

## M.Sc. PROJECT (BIOINFORMATICS)

ENTITLED – “Comprehensive bioinformatics analysis for the discovery of crucial genes, pathways, and potential therapeutic drugs against melanoma”

Student's Name                      **Soniya**

Father's Name                      **Krishanpal**

Mother's Name                      **Rekha Devi**

Roll No.                              **220867250018**

Enrollment No.                      **M19295709**

Department                          **Bioinformatics**

College Name                          **Janta Vedic College Baraut (Baghpat)**

.....  
*Bluagh*  
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External Examiner

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Coordinator of Department

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*G/Soniya*  
*27/6/2024*

Supervisor

*11:00 PM*