

**DEPARTMENT OF BIOCHEMISTRY**

**GOVT. MEDICAL COLLEGE**

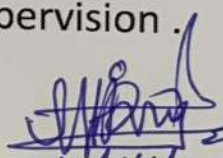
**SRINAGAR, KASHMIR**



**CERTIFICATE**

This is to certify that the study entitled "**GENETIC MUTATION OF KRAS IN GASTRIC CARCINOMA PATIENTS FROM KASHMIR -A HOSPITAL BASED STUDY**" is a bonafied work of **Ms Rahila Shabir** student of MSc department of Clinical Biochemistry, University of Kashmir and has been carried out at the department of Biochemistry, Govt. Medical College Srinagar, under my guidance and supervision .

*Asstt. Professor*  
**Department of Biochemistry  
Govt. Medical College  
Srinagar**

  
10/10/23  
Supervisor

Dr Nissar Ahmad Naikoo

Assistant professor

Department of Biochemistry



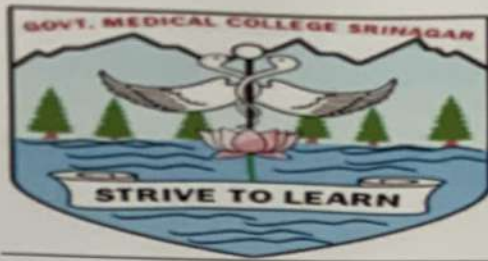
## CERTIFICATE

This is to certify that project work entitled "**A study on relationship between Iron Profile and Thyroid Profile in Anemic patients**" is an original contribution by **AADIL BASHIR**, bearing enrollment no.20057119001 student of M.Sc. Clinical Biochemistry (4th semester), University of Kashmir and has successfully completed this under my supervision. To the best of my knowledge, this research idea has not been submitted in part or in full for any Degree/Diploma/Fellowship or other similar titles to any candidate of any university.

*[Handwritten Signature]*  
PROFESSOR  
DEPARTMENT OF BIOCHEMISTRY  
GOVERNMENT MEDICAL COLLEGE  
SRINAGAR KASHMIR  
Dr. Roohi Ashraf

Professor

Department of Biochemistry GMC Srinagar



## DEPARTMENT OF BIOCHEMISTRY


Govt. Medical College Srinagar

KaranNagar, Srinagar, Jammu and Kashmir, 190010

(Research Centre of University of Kashmir)

### CERTIFICATE

This is to certify that the dissertation work entitled "Blood Gas Analysis in SARS-COV-2 Infected Patients admitted to SMHS Hospital: a TERTIARY CARE Hospital in Kashmir" submitted by AAMIR MOHIUDIN in the partial fulfilment of the requirement for the Master's degree in Clinical Biochemistry in the University of Kashmir is the report of original and independent work carried out by him, under my guidance and supervision in the Department of Biochemistry, Govt. Medical College, Srinagar, Karan-Nagar, Jammu and Kashmir -190010. The work undertaken by him has not been previously submitted for any award or degree, diploma, fellowship or other similar distinction from this institution.

  
Associate Professor (Supervisor)  
Department of Biochemistry  
Govt. Medical College  
Srinagar  
Dr. R. D. Gupta Eachkoti  
Associate Professor

Department of Biochemistry

GMC, Srinagar.



## DEPARTMENT OF BIOCHEMISTRY

Govt. Medical College Srinagar

Karan-Nagar, Srinagar, Jammu and Kashmir, India, 190010

(Research centre of University of Kashmir)

### CERTIFICATE

This is to certify that the dissertation work entitled "Clinico-Immunological Diagnosis of systemic lupus erythematosus"

submitted by ANJUM QUYOOM in partial fulfilment of the requirement for the Masters degree in Clinical Biochemistry in University of Kashmir is the report of original and independent work carried out by her under our guidance and supervision in the department of biochemistry, Govt Medical College, Srinagar, Karan-Nagar, Jammu and Kashmir, India 190010. The work undertaken by her has been previously submitted for any award or degree, diploma, fellowship or other similar distinction from this institution.

  
(Supervisor)  
Head of the Department  
Department of Biochemistry  
Govt. Medical College, Srinagar

**Prof (Dr) Sabhiya Majid**

Head of Department Biochemistry

Govt Medical Collage Srinagar

## CERTIFICATE

This is to certify that the dissertation report entitled  
**“CHARACTERISATION OF THE LOWER URINARY TRACT  
MICROBIOME”** is an original contribution by **Arshid Hassan Reshi**,  
student of Masters in Clinical Biochemistry (IV Semester), **University of  
Kashmir** and he has successfully completed the research work for the  
partial fulfilment of the requirements for the degree of **Masters in  
Clinical Biochemistry** under my supervision at the Institute for Stem  
Cell Science and Regenerative Medicine (DBT-inStem), Bengaluru. This  
is also to clarify that the above-said work has not been previously  
submitted for the award of any degree, diploma, or fellowship in any  
Indian or foreign University.



27/03/2023


Diya Binoy Joseph, PhD  
Fellow E/Scientist D  
DBT-inStem  
GKVK-Post, Bellary Rd  
Bangalore 560065, India  
Email: [diyabj@instem.res.in](mailto:diyabj@instem.res.in)  
Office: 080-6194-8141  
Mobile: 918138811104



**DEPARTMENT OF CHEMISTRY**  
**UNIVERSITY OF KASHMIR, SRINAGAR.**

**CERTIFICATE**

This is certify that dissertation entitled “**Niosome loaded Vitamin B-12: A Novel biocompataible composite for Electrochemical Disinfection of Water**” submitted by **ASRAR UL FAROOQ** to the Department of Clinical Biochemistry, University of Kashmir, Srinagar, for the degree of Master of science in Clinical Biochemistry, is based on the results of experiments and investigations carried out by him under my supervision and guidance at the Department of Chemistry, University of Kashmir, Srinagar. This is also to clarify that the above-said work has not been previously submitted for an award of any degree, diploma, or fellowship in any Indian or foreign university.

  
**Dr. MOHSIN AHMAD BHAT**  
(Associate Professor)  
Department of Chemistry  
University of Kashmir -Srinagar

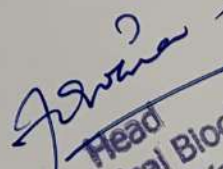
**Dr. Mohsin Ahmad Bhat**  
Associate Professor  
Department of Chemistry  
University of Kashmir, Srinagar

**UNIVERSITY OF KASHMIR**  
**DEPARTMENT OF CLINICAL BIOCHEMISTRY**



**TO WHOM IT MAY CONCERN**

This is to certify that **FIZA FAROOQ** student of M.Sc. Clinical Biochemistry (4<sup>th</sup> semester), University of Kashmir, has successfully completed her project work entitled “**Understanding the role of VPS35 in Chromatin organization**” in this department for the period of six months (Sep 2022-Mar 2023).

  
Head  
Department of Clinical Biochemistry  
University of Kashmir  
Srinagar-190006

**Centre for Interdisciplinary Research and Innovations (CIRI)**

**University of Kashmir, Srinagar J&K**

**CERTIFICATE**

This is to certify that project work entitled “**Green Synthesis of Copper Nanoparticles and Their Antibacterial Studies**” is an original contribution by HAMEEM YOUSUF, student of M.Sc. Clinical Biochemistry (4th semester), University of Kashmir and has successfully completed this under my supervision. To the best of my knowledge, this research idea has not been submitted in part or in full for any Degree/Diploma/Fellowship or other similar titles to any candidate of any university.

**Dr. Gulzar Ahmad Bhat**  
**Principal Investigator**  
**Centre for Interdisciplinary**  
**Research & Innovations (CIRI)**  
**University of Kashmir**

Dr. GULZAR AHMAD BHAT





## DEPARTMENT OF CHEMISTRY

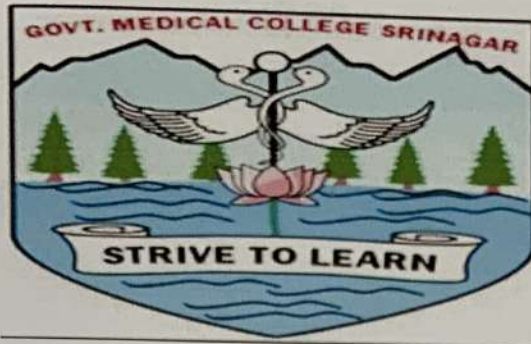
University of Kashmir- Srinagar

### CERTIFICATE

This is to certify that the work in this dissertation entitled **“Redox Probe Mediated Electrochemical Sensing: A Simplistic Approach for Ultra-sensitive Sensing of E. coli”** is an original contribution by **Hilal Ahmad Baba**, student of M.SC. Clinical Biochemistry (4<sup>th</sup> semester), University of Kashmir has successfully completed this work under my supervision from September 2022 to February 2023. To the best of my knowledge, this research idea has not been submitted in part or in full for any Degree/Diploma/Fellowship or other similar titles to any candidate of any university.

Dr MOHSIN AHMAD BHAT

Professor



## DEPARTMENT OF BIOCHEMISTRY

Government medical college Srinagar,

Karan Nagar, Srinagar, Jammu and Kashmir, 190010

(Research Centre of university of Kashmir)

### CERTIFICATE

This is to certify that the dissertation work entitled "**CCND1 (Cyclin D1) gene copy number variation (CNV) analysis by real-time qPCR in breast cancer patients from Kashmir, North India.**" Submitted by **Mr Tahir Ahmad Khan** in the partial fulfillment of the requirement for the Master's degree in Clinical Biochemistry in the University of Kashmir is an original and independent work carried out by him under my guidance and supervision in the Department of Biochemistry, Govt. Medical College, Srinagar, Karan-Nagar, Jammu and Kashmir -190010. The work undertaken by him has not been previously submitted for any award or degree, diploma, fellowship or other similar distinction from this institution.

(Supervisor)

  
**Dr. Rafiq Faizkotli**

Associate

Professor

Department of Biochemistry

Govt. Medical College  
GMC, Srinagar

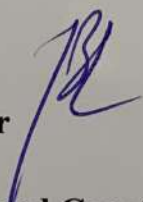
# CENTER OF RESEARCH FOR DEVELOPMENT

University of Kashmir-190001, Srinagar

## CERTIFICATE

This is to certify that the dissertation entitled "**Isolation and purification of antimicrobial peptides from *Astragalus grahamianus* and their screening for antimicrobial activity**" is the bonafide work of **Ms. RUKAYA NAZIR** and has been carried out in the Centre of Research for Development, University of Kashmir, under the supervision of **Prof. Bashir Ahmad Ganai**, Director North Campus, Professor CORD, for the partial fulfillment of degree of Master in Science. The work submitted is original to the best of my knowledge.

Supervisor

  
Prof. Bashir Ahmad Ganai

# DEPARTMENT OF BIOCHEMISTRY


Govt. Medical College Srinagar

Karan-Nagar, Srinagar, Jammu and Kashmir, 190010



## CERTIFICATE

This is certify that the dissertation work entitled "Comparative study of various serum factors like Anti TPO, Thyroid profile, IL-6 in Hashimoto's and non-Hashimoto's hypothyroidism" submitted by **MUDASIR AHMAD WANI** in the partial fulfillment of the requirement for the master's degree in Clinical Biochemistry in the University of Kashmir is the report of original and independent work carried out by him under my guidance and supervision in the Department of Biochemistry, Govt. Medical College, Srinagar, Karan-Nagar, Jammu and Kashmir-190010. The work under taken by him has not been previously submitted for any award of degree, diploma, fellowship or other similar distinction from this institution.



(Supervisor)

**Dr. Sabhiya Majid**  
Head of the Department  
Department of Biochemistry  
Govt. Medical College, Srinagar  
Department of Biochemistry  
GMC SRINAGAR



Centre for Interdisciplinary Research and Innovations (CIRI),

University of Kashmir, Srinagar J&K

### CERTIFICATE

This is to certify that project work entitled "**Cloning and expression of *E.coli* YehL and YehP proteins**" is an original contribution by **Mohammad Waseem Khan**, student of M.Sc. Clinical Biochemistry (4th semester), University of Kashmir and has successfully completed this under my supervision. To the best of my knowledge, this research idea has not been submitted in part or in full for any Degree/Diploma/Fellowship or other similar titles to any candidate of any university.

Dr. JAVAID YOUSUF BHAT

Dr. JAVAID Y. BHAT  
Principal Investigator  
Centre for Interdisciplinary  
Research and Innovations  
University of Kashmir

**UNIVERSITY OF KASHMIR**  
**CENTRE FOR INTERDISCIPLINARY RESEARCH**  
**AND INNOVATIONS (CIRI)**



**Certificate**

This is to certify that **Ishrat Manzoor**, student of M.Sc. Clinical Biochemistry (4<sup>th</sup> semester) has worked under my supervision from Sep 2022 to Mar 2023 on the project entitled “**Understanding the role of SQE motif in regulation of Dot1 mediated cellular functions**”. The empirical findings in this report are based on the data and information collected by her under my guidance and supervision. I certify that the work done is original.

**Dr. Mohd. Altaf Bhat**  
Coordinator/Assistant professor  
CIRI  
University of Kashmir

CENTRE OF RESEARCH FOR DEVELOPMENT

University Of Kashmir-190001, Srinagar.

**CERTIFICATE**

This is to certify that the dissertation entitled "*Polymorphic study of IDH1 gene in Brain tumor patients of Kashmiri population prone to occupational pesticide exposure*" is the bonafide work of **Ms. Rakshanda Khushboo** and has been carried out in the Centre of Research for Development (CORD), University of Kashmir, under the supervision of Prof. Bashir Ahmad Ganai, Director North Campus, and Ex- Director CORD, University of Kashmir for partial fulfillment of degree of Master in Science. The work submitted is original to the best of our knowledge.

Supervisor

  
Prof. Bashir Ahmad Ganai

Director North campus,

University of Kashmir.



**Centre for Interdisciplinary Research & Innovations**

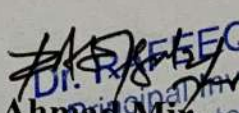
**University of Kashmir**

**Hazratbal, Srinagar, 190006 (Kashmir)**

## *Certificate*

This is to certify that the work in the thesis entitled “**Standardization of PEI based protein transduction protocol for delivery of protein and establishment of VPS35 PD associated model in *C. elegans***” is the bona fide work of **Ms. Reeyan Hafiz** and has been carried out at the Centre for Interdisciplinary Research and Innovations, University of Kashmir, Srinagar, Kashmir (India) under the direct guidance and supervision of **Dr. Rafeeq Ahmad Mir**, Ramalingaswami Fellow, Centre for Interdisciplinary Research and Innovations, University of Kashmir, Srinagar.

**Supervisor**

  
**Dr. Rafeeq Ahmad Mir**  
Principal Investigator  
Ramalingaswami Fellow  
Centre for Interdisciplinary  
Research and Innovations  
University of Kashmir  
Srinagar



# **CENTRE OF RESEARCH FOR DEVELOPMENT**

**University Of Kashmir-190001, Srinagar**

## **CERTIFICATE**

This is to certify that the dissertation entitled “**Isolation and Purification of Antimicrobial Peptides from *Viburnum grandiflorum* and their Screening for Antimicrobial Activity**” is the bonafide work of **Rehana Nissar** and has been carried out in the Department of the Centre of Research for Development, University of Kashmir under the supervision of **Prof. Bashir Ahmad Ganai**, Director North Campus and Professor, Centre of Research for Development, for partial fulfillment of the degree of Masters in Science. The work submitted is original to the best of our knowledge.

Supervisor



**Prof. Bashir Ahmad Ganai**

# DEPARTMENT OF BIOCHEMISTRY

Government Medical College Srinagar

Karan-Nagar, Srinagar, Jammu & Kashmir, 190010



## CERTIFICATE

This is certify that the dissertation work entitled "**Relationship between serum IL-6 and ferritin levels in the anemic patients attending the tertiary care hospital Srinagar**" submitted by **REYAZ AHMAD DAR** in the partial fulfillment of the requirement for the master's degree in Clinical Biochemistry in the University of Kashmir is the report of original and independent work carried out by him under my guidance and supervision in the Department of Biochemistry, Govt. Medical College, Srinagar, Karan-Nagar, Jammu and Kashmir-190010. The work under taken by him has not been previously submitted for any award of degree, diploma, fellowship or other similar distinction from this institution

*Ashraf*

PROFESSOR (Supervisor)  
DEPARTMENT OF BIOCHEMISTRY  
GOVERNMENT MEDICAL COLLEGE  
SRINAGAR  
Professor  
Department of Biochemistry  
GMC Srinagar



शरीरमाद्यं खलु घर्मसाधनम्

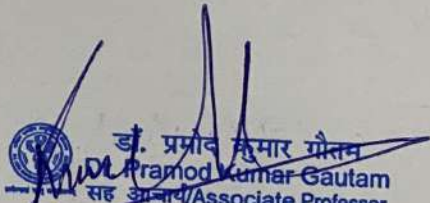
**DEPARTMENT OF BIOCHEMISTRY  
ALL INDIA INSTITUTE OF MEDICAL  
SCIENCES, NEW DELHI-110029**

**Dr. Pramod Kumar Gautam  
Associate Professor**

Date: - 01/03/2023

**CERTIFICATE**

This is to certify that the dissertation work entitled “*Elucidation of Differential Myeloid Lineage Cell Profiling in Different Stages of Breast Cancer Patients*” is submitted by Ms. Rubina Gul bearing Regd No. 2790-sum-2016 for the partial fulfillment of the requirements for the award of **Master’s Degree in Clinical Biochemistry, University of Kashmir, Srinagar**, under my supervision and guidance at Department of Biochemistry, AIIMS, New Delhi. The work is comprehensive, complete, and fit for final evaluation.

  
डॉ. प्रमोद कुमार गौतम  
Dr. Pramod Kumar Gautam  
सह अध्यापक/Associate Professor  
रसायन विज्ञान विभाग/Deptt. of Biochemistry  
अखिल भारतीय आयुर्विज्ञान संस्थान, नई दिल्ली-29  
All India Institute of Medical Sciences, New Delhi-29

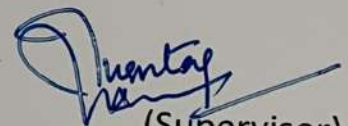
**Dr. Pramod Kumar Gautam  
(Supervisor)**

Office No-3040, 3<sup>rd</sup> floor, PC block,  
Department of Biochemistry, All India Institute of Medical Sciences, New Delhi-110 029, India  
Tel: 91+ 011-26594682(O) Ext-4082, +91-9838442087 (M)  
E-mail: pramodgautam\_13@yahoo.com; gautam@aiims.edu

**DEPARTMENT OF NANOTECHNOLOGY**  
**UNIVERSITY OF KASHMIR , Srinagar, Jammu and Kashmir, 190006**  
**(Research Centre of University of Kashmir)**

**CERTIFICATE**

This is to certify that the dissertation work entitled “**Cloning and Expression of Grainyhead Like-2 (GRHL2) Gene as a GST-Fusion Protein in Bacterial Expression System**” submitted by **MEHAK MUMTAZ** in the partial fulfilment of the requirement for the Master’s degree in Clinical Biochemistry in the University of Kashmir is the report of original and independent work carried out by her, under my guidance and supervision in the Department of Nanotechnology, University Of Kashmir, Jammu and Kashmir -190006. The work undertaken by ~~her~~ has not been previously submitted for any award or degree, diploma, fellowship or other similar distinction from this institution.

  
(Supervisor)

**Dr. Mushtaq A. Beigh**  
**University of Kashmir (190006)**  
Assistant Professor

Department of Nanotechnology, University Of Kashmir, Srinagar.

From,  
Sunil Laxman  
Associate Investigator  
DBT-Wellcome IA Senior Fellow and EMBO Global Investigator  
DBT-inStem,  
GKVK Post, Bellary Road, Bangalore 560065  
phone: +92 80 23666001  
email: [sunil@instem.res.in](mailto:sunil@instem.res.in)  
web: <https://sunillaxmanlab.weebly.com>

## Project Certificate

This is to certify that the project entitled "*Can integrated extracellular and intracellular pH measurements robustly predict cellular metabolic state*" was submitted in partial fulfillment of the requirements for the award of the degree of Master's Degree in Clinical Biochemistry, department of **Clinical Biochemistry University of Kashmir**, by **Mr. UMER BIN AYAZ**. Mr. Umer Bin Ayaz completed this authentic work at the **Institute for Stem Cell Science and Regenerative Medicine** under my guidance and supervision during the period of **Sept 27, 2022 – March 27, 2023**. The studies embodied in this dissertation have not formed the basis for the award of any Degree/Diploma/Associateship/ Fellowship to the best of my knowledge and belief.



Signature & Seal of the Guide:

Name & Designation: **Dr. Sunil Laxman**  
Associate Investigator,  
Institute for Stem Cell Biology and Regenerative Medicine,  
Bengaluru, Karnataka - 560065

Place: Bengaluru  
Date: 9<sup>th</sup> April 2023

Member of the Bangalore Biocluster  
NCBS • inStem • C-CAMP



**Centre for Interdisciplinary Research and  
Innovations (CIRI)  
University of Kashmir-Srinagar**

**CERTIFICATE**

This is to certify that **NUSAIBA FAROOQ**, student of MSc. Clinical biochemistry, University of Kashmir has successfully completed his project work entitled **“Generation of VPS35 knockdown stable neuronal cell lines using shRNA interference”** in this centre from September 2022 to March 2023 and constitutes the practical training course and dissertation work.

Dr. RAFAQ A. MIR  
Principal Investigator  
Centre for Interdisciplinary  
Research and Innovations  
University of Kashmir

Dr. RAFAQ AHMAD MIR  
Ramalingaswami Fellow (CIRI)

Dr. MOHD ALTAJ BHAT  
Coordinator (CIRI)



**DEVELOPMENTAL BIOLOGY AND GENETICS,  
INDIAN INSTITUTE OF SCIENCE, BANGALORE- 560012, INDIA**



**भारतीय विज्ञान संस्थान**

**CERTIFICATE**

This is to certify that the dissertation entitled ' Identifying chemical modulators of mitochondrial transport protein TIMM50 expression in senescence' submitted by Ms Khan Shabnam, to the University of Kashmir, for the degree Masters of Science, is based on the results of experiments and investigations carried out by her under my supervision and guidance at the Indian Institute of Science, Bangalore. This is also to clarify that the above-said work has not been previously submitted for an award of any degree, diploma, or fellowship in any Indian or foreign university.

**Prof. Deepak Saini**

**प्रो. दीपक कुमार सैनी / Deepak Kumar Saini**

**प्राध्यापक / Professor**

**विकास जीव विज्ञान और अणुवंशिकी विभाग**

**Department of Developmental Biology & Genetics**

**भारतीय विज्ञान संस्थान / Indian Institute of Science**

**बेंगलुरु - 560012 / Bengaluru - 560012**

# जामिया मिल्लिया इस्लामिया

(संसदीय अधिनियमानुसार केन्द्रीय विश्वविद्यालय)

मौलाना मोहम्मद अली जौहर मार्ग, नई दिल्ली-110025

## JAMIA MILLIA ISLAMIA

(A Central University by an Act of Parliament)

Maulana Mohammed Ali Jauhar Marg, New Delhi-110025

फोन / Tel. : 91-11-26981717

इपीएबीएक्स / EPABX : 1033

मोबाईल / Mob. : +91-9971525411

ई-मेल / E-mail : tahmad7@jmi.ac.in

tanvir.333@gmail.com

वेबसाइट / Web: <http://www.jmi.ac.in/mcars>



جامعہ  
میلیہ  
اسلامیہ

### बहु-विषयक उन्नत अनुसंधान एवं अध्ययन केंद्र (एम.सी.ए.आर.एस)

### Multidisciplinary Centre for Advanced Research and Studies (MCARS)

तनवीर अहमद, पीएच.डी.  
(सहायक प्रोफेसर)

**Tanveer Ahmad, Ph.D.**  
(Assistant Professor)

تَنْویر احمد، ڈاکٹر  
اسٹنٹ پروفیسر

## Certificate

This is to certify that Ms Khushboo Mushtaq, a student of M.Sc.Clinical Biochemistry (4<sup>th</sup> Semester), Department of Clinical Biochemistry, University of Kashmir, Hazratbal Srinagar, has carried out her Dissertation entitled "PDCD-1, TRAC, B2M knockouts in T-cells using CRISPR-Cas9 system for the generation of Universal T-cell" under my supervision.

External Supervisor:

**Dr. Tanveer Ahmad**

(Assistant Professor)

MCARS

Jamia Millia Islamia

New Delhi

Dr. TANVEER AHMAD  
Assistant Professor  
Multidisciplinary Centre for  
Advanced Research & Studies  
Jamia Millia Islamia  
New Delhi-110025





## DEPARTMENT OF BIOCHEMISTRY

Government Medical College Srinagar  
Karan Nagar, Srinagar, Jammu & Kashmir, 190010  
(Research Centre of University of Kashmir)

### CERTIFICATE

This is to certify that **MALIK ATHER** student of M.Sc. Clinical Biochemistry (4<sup>th</sup> semester) University of Kashmir has successfully completed his project work entitled "**PD-L1 (PROGRAMMED DEATH LIGAND-1) COPYNUMBER VARIATION BY REAL TIME q PCR IN SKIN CANCER PATIENTS FROM KASHMIR VALLEY**" in this department for the period of six months. The empirical findings in this report are based on the data and information collected by him under our guidance and supervision in the department of biochemistry, Government Medical College, Srinagar. The work undertaken by him has not been previously submitted for any award or degree, fellowship, or other similar distinction from this institution.

Dr. Tabassum Rashid  
Assistant professor  
Department of Biochemistry  
GMC, Srinagar

*Tabassum Rashid*  
Assistant Professor  
Department of Biochemistry  
Govt. Medical College  
Srinagar

Dr. Rafiqah Kokoti  
Associate Professor  
Department of Biochemistry  
Govt. Medical College  
Srinagar

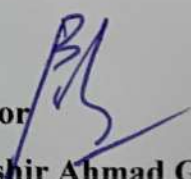
*Rafiqah Kokoti*  
Associate Professor  
Department of Biochemistry  
Govt. Medical College  
Srinagar

CENTER OF RESEARCH FOR DEVELOPMENT  
UNIVERSITY OF KASHMIR, SRINAGAR.

## Certificate

This is to certify that the dissertation entitled *Association of MS4A6A gene polymorphism with Alzheimer's disease in Kashmir population* is the bonafide work of **MS SAQIA MANZOOR** and has been carried out in the Centre of Research for Development, University of Kashmir, under the supervision of Prof. Bashir Ahmad Ganai, Director North Campus, for partial fulfilment of degree of Master of Science. The work submitted is original to the best of our knowledge.

Supervisor



**Prof. Bashir Ahmad Ganai**

**Director North campus,**

**University of Kashmir**

CENTRE OF RESEARCH FOR DEVELOPMENT  
UNIVERSITY OF KASHMIR, SRINAGAR



**CERTIFICATE**

This is to certify that the dissertation entitled “**Association of CD33 Gene Polymorphism with Alzheimer’s Disease in Kashmir Population**” is the bonafide work of **Ms. SABOORA SALEEM** and has been carried out in the Centre of Research for Development, University of Kashmir, under the supervision of Prof. Bashir Ahmad Ganai, Director North Campus, University of Kashmir for partial fulfilment of degree of Master of Science. The work submitted is original to the best of our knowledge.

Supervisor

Prof. Bashir Ahmad Ganai

Director North campus,

University of Kashmir.

**DEPARTMENT OF BIOTECHNOLOGY**

**UNIVERSITY OF KASHMIR**


**HAZRATBAL Srinagar, 190006**



This is to certify that **Ruqia Rashid**, student of M.Sc. Clinical Biochemistry (4th semester) of University of Kashmir has successfully completed her project work entitled **“In-Vitro validation of gRNAs corresponding to different topologically associated domains of *Drosophila* S2 cells”**. under the supervision of Dr. Ajaz ul Hamid Wani in the **Department of Biotechnology , University of Kashmir** for the period of six months (September 2022 - February 2023).

  
**Dr. Ajaz ul H. Wani**

Department of Biotechnology  
University of Kashmir

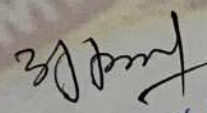
  
**Head**  
**Prof & Head**  
**Dept. of Bio-Technology**  
**University of Kashmir**  
Department of Biotechnology  
University of Kashmir

**Centre for Interdisciplinary Research and Innovations (CIRI),  
University of Kashmir, Srinagar J&K**



**CERTIFICATE**

This is to certify that project work entitled “Cloning and partial purification of SPATA5 and its probable interactor” is an original contribution by SYED AAKIF EISHAN, student of M.Sc. Clinical Biochemistry (4th semester), University of Kashmir and has successfully completed this under my supervision. To the best of my knowledge, this research idea has not been submitted in part or in full for any Degree/Diploma/Fellowship or other similar titles to any candidate of any university.

  
**DR. JAVAID YOUSUF BHAT**  
Dr. JAVAID YOUSUF BHAT  
Principal Investigator  
Centre for Interdisciplinary  
Research and Innovations  
University of Kashmir

सीसीएमबी  
CCMB

सीएसआईआर-कोशिकीय एवं आणविक जीवविज्ञान केन्द्र  
CSIR-CENTRE FOR CELLULAR AND MOLECULAR BIOLOGY

(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)  
(Council of Scientific & Industrial Research)

(विज्ञान एवं प्रौद्योगिकी मंत्रालय, भारत सरकार / Ministry of Science & Technology, Govt. of India)  
उप्पल रोड, हब्सीगुड़ा, हैदराबाद - 500 007, तेलंगाना, भारत

Uppal Road, Habsiguda, Hyderabad - 500 007, Telangana, India



To Whom It May Concern

This is to certify that Ms. Syed Arjimand did her dissertation project towards the fulfilment of her M.Sc. in Clinical Biochemistry at University of Kashmir work in my lab at CSIR-CCMB from October 2022 to March 2023. The title of her project was "Deciphering the role of CSN5 in *Drosophila* neural development". Ms. Arjimand successfully completed this under my supervision. To the best of my knowledge, this research idea has not been submitted in part or in full for any Degree/Diploma/Fellowship or other similar titles to any candidate of any university.

Sonal Nagarkar Jaiswal  
Assistant Professor AcSIR  
Wellcome Trust/DBT Intermediate fellow  
Center for Cellular and Molecular Biology Habsiguda,  
Uppal road Hyderabad-500007  
Telangana, India  
Phone: +91-40-27192523

फैक्स

अंतर्राष्ट्रीय  
भारत

+91-40-27160591, 27160311  
040-27160591, 27160311

दूरभाष  
Telephone

+91-40-27160222-41

Fax

International  
India

+91-40-27160591, 27160311  
040-27160591, 27160311

वेब साइट  
Website

<http://www.ccmb.res.in>



शरीरमाद्यं खलु धर्मसाधनम्

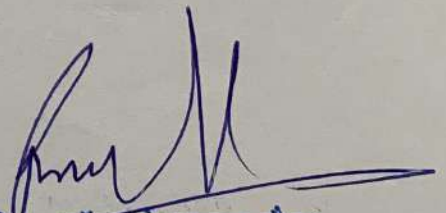

**DEPARTMENT OF BIOCHEMISTRY  
ALL INDIA INSTITUTE OF MEDICAL  
SCIENCES, NEW DELHI-110029**

**Dr. Pramod Kumar Gautam  
Associate Professor**

Date: - 01/03/2023

**CERTIFICATE**

This is to certify that the dissertation work entitled "*Immune cell profiling of lymphoid lineage of peripheral immune landscape in different stages of Breast Cancer*" is submitted by Ms. Syed Sufia bearing Regd No. 14933-hd-2015 for the partial fulfillment of the requirements for the award of Master's Degree in Clinical Biochemistry, university of Kashmir, Srinagar, under my supervision and guidance at Department of Biochemistry, AIIMS, New Delhi. The work is comprehensive, complete, and fit for final evaluation.

  
 **डॉ. प्रमोद कुमार गौतम**  
**Dr. Pramod Kumar Gautam**  
सह आचार्य/Associate Professor  
जैव रसायन विज्ञान विभाग/Deptt. of Biochemistry  
अखिल भारतीय आयुर्विज्ञान संस्थान, नई दिल्ली-29  
All India Institute of Medical Sciences, New Delhi-29

**Dr. Pramod Kumar Gautam  
(Supervisor)**

Office No-3040, 3<sup>rd</sup> floor, PC block,  
Department of Biochemistry, All India Institute of Medical Sciences, New Delhi-110 029, India  
Tel: 91+ 011-26594682(O) Ext-4082, +91-9838442087 (M)  
E-mail: pramodgautam\_13@yahoo.com; gautam@aiims.edu