

DEPARTEMENT OF IMMUNOLOGY AND MOLECULAR MEDICINE

SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES



CERTIFICATE

This is to certify that the study entitled "Association of Vitamin D Receptor Gene Polymorphism with Risk and Severity of Rheumatoid Arthritis in Kashmiri Population" is a bonafide work of Ms. Sabba Shafi and was conducted in the Department of Immunology and Molecular Medicine, Sher-i-Kashmir institute of medical science, Soura Srinagar, under the supervision and entire satisfaction. This work has not been previously submitted for reward of any degree, diploma, fellowship or any other similar distinction.

Supervisor

Dr. Roohi Rasool

Professor

Dr. Roohi Rasool (M.D., D.M.)
Professor

Deptt of Immunology & Molecular Medicine
Immunology & Molecular Medicine
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Co-supervisor

Dr. Zaffar Amin Shah

Professor & Head

Deptt. of Immunology & Mol. Med.
SKIMS, Srinagar

Professor and Head,

Deptt of Immunology & Molecular Medicine

(SKIMS)

Co-supervisor

Dr. Shahid M. Baba

Senior Resident

Deptt of Immunology & Molecular Medicine

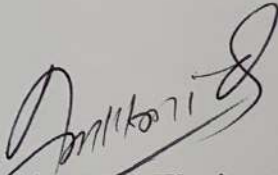
(SKIMS)

DEPARTMENT OF BIOTECHNOLOGY
UNIVERSITY OF KASHMIR
HAZRATBAL
Srinagar, 190006




TO WHOM IT MAY CONCERN

This is to certify that **Rizwana Nabi**, student of M.Sc. Clinical Biochemistry (4th semester) of the University of Kashmir has completed his project work entitled “**Validation of CRISPR cas9 mediated knockout of pipsqueak gene in *Drosophila* S2 cell lines**” under the supervision of Dr. Ajaz ul Hamid Wani in this department for the period of six months (Dec 2020 - June 2021).


Dr. Ajaz ul H. Wani
Department of Biotechnology
University of Kashmir

Dr. Ajaz ul H. Wani
Principal Investigator
Department of Biotechnology
University of Kashmir


Head of Department
Department of Biotechnology
University of Kashmir

Head of Department
Department of Biotechnology
University of Kashmir

DEPARTMENT OF CLINICAL BIOCHEMISTRY
SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES

SOURA, SRINAGAR



CERTIFICATE

This is certify that the thesis entitled “**CRP and Urine Albumin as a biomarker in critically ill patients**” is the bonafide work of **Puneet Kaur** and has been carried out in the Department of Clinical Biochemistry, Sher-I-Kashmir Institute of Medical Sciences, Soura, Srinagar, Kashmir under my direct guidance and supervision.

This work has been submitted partially or wholly for the award for any degree, diploma, and fellowship.

Supervisor

Dr Syed Muddasar

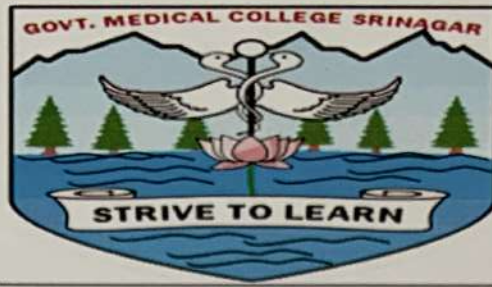
Professer&Head

Department of clinical biochemistry

Skims, Srinagar

Professor & Head
Department of Clinical Biochemistry
SKIMS Soura

Department of clinical Biochemistry



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 "Association of Socio Demographic and Clinicopathological characteristics with the severity of Covid 19 Disease" submitted by **NOWSHEEN LATEEF** 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 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 not been previously submitted for any award or degree, diploma, fellowship or other similar distinction from this institution.

(Supervisor)

Asst. Professor
Dr. Nissar Ahmad Naini
Department of Biochemistry
Govt. Medical College
Srinagar
Assistant Professor

Department of Biochemistry

GMC, Srinagar

**DEPT. OF IMMUNOLOGY AND MOLECULAR MEDICINE
SHER -I- KASHMIR INSTITUTE OF MEDICAL SCIENCES,
SOURA.**



CERTIFICATE

This is to certify that the dissertation entitled "**Role of VDBP in Chronic Urticaria**" is a bonafide work of **Ruqia Rasool**, student of MSc. Department of Clinical Biochemistry, University of Kashmir and has been carried out at the Department of Immunology and Molecular Medicine, Sher-I-Kashmir Institute of Medical Sciences, Soura under guidance and supervision of :

Supervisor

PROF. ROOHI RASOOL

Professor
Dept. of Immunology and
Molecular Medicine
Soura, Srinagar

Co-Supervisor

DR. ZAFAR AMIN SHAH

Dr. Zafar Amin Shah
Deptt. of Immunology & Mol. Med.
SKIMS, Srinagar
Professor and Head
Dept. of Immunology and
Molecular Medicine

Co-Supervisor

DR. BIZAL AH KAWOOSA

Senior Resident
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**ROLE OF INTERLEUKIN 1 RECEPTOR ANTAGONIST (IL-1RN) VNTR
IN ISCHEMIC STROKE**

A thesis submitted to the

UNIVERSITY OF KASHMIR, SRINAGAR

Towards Partial Fulfilment for the Degree of

Master of Science

In

Clinical Biochemistry

By

NIGHATA RASOOL

(En.No: 18057119018)



GUIDE

Dr. Nil Afroz

Professor & Head

Advanced Centre for Human Genetics

Sher-I- Kashmir Institute of Medical Sciences, Srinagar.

Co-Guide

Dr. Mahrukh Hamid Zargar

Associate Professor

Advanced Centre for Human Genetics

Sher-I- Kashmir Institute of Medical Sciences,
Srinagar

Dr. MAHRUKH HAMEED
Associate Professor
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Dr. Faheem Shehjar

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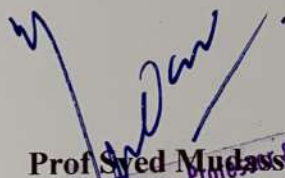
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Dr. Faheem Shehjar
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DEPARTMENT OF CLINICAL BIOCHEMISTRY
SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES
SOURA, SRINAGAR



This is to certify that the study entitled, **“Role of Phase-I Xenobiotic metabolizing enzyme - CYP2A13 in gastric cancer development”** is the bonafide work of **Jaffar Abass Wani** and has been carried out in the **Department of Clinical Biochemistry, Sher-i-Kashmir Institute of Medical Science, Soura Srinagar, Kashmir** under the supervision of **Dr Syed Mudassar**, Professor and Head Dept. of Clinical biochemistry SKIMS. This work has not been submitted partly or wholly for the award for any degree, diploma, fellowship or associateship.



Prof. Syed Mudassar & Head
HOD
Department of Clinical Biochemistry
SKIMS Soura

Department of Clinical Biochemistry SKIMS Srinagar

DIVISION OF ANIMAL BIOTECHNOLOGY

Faculty of Veterinary Sciences and Animal Husbandry

**SHERI-KASHMIR UNIVERSITY OF AGRICULTURAL SCIENCES
AND TECHNOLOGY-KASHMIR, SHUHAMA ALASTANG SRINAGAR**



CERTIFICATE

This is to certify that **INSHA JAN**, student of M.Sc. clinical biochemistry, University of Kashmir, Srinagar, has completed her project work on the topic **“INDUCTION OF CYTOKINES IN CHICKEN EMBRYO FIBROBLAST AGAINST DIFFERENT LIVE ATTENUATED INFECTIOUS BURSAL DISEASE VACCINES”**, which constitutes the practical training course and dissertation work in the Division of Animal Biotechnology under supervision of Dr. Nadeem Shabir for a period of 5 months w.e.f. December 2020 to April 2021. The work done by her is the intellectual property of the laboratory of vaccine Biotechnology, FVSC &AH, SKAUST-KASHMIR. Therefore, no part of this work shall be communicated for publication or presented in a scientific conference in any form without prior notice to the HEAD, Division of Animal Biotechnology, FVSC&AH, SKAUST-KASHMIR.

Nadeem Shabir

Dr. NADEEM SHABIR
Assistant Professor



Riaz Ahmad Shah

Prof. Dr. RIAZ AHMAD SHAH
Head of Department
Division of Animal Biotechnology
SKUAST-K, Shuhama.

DEPARTMENT OF BIOTECHNOLOGY
UNIVERSITY OF KASHMIR



CERTIFICATE

This is to certify that **Hamida Akhtar**, student of clinical Biochemistry (4th semester) has worked under my supervision from December to May 2020-2021. All the data and information she collected in the lab under my supervision and guidance. I, certify the work done is original.

Dr. Mohd. Altaf Bhat
Assistant professor
Department of Biotechnology
University of Kashmir
Assistant Professor
Department of Biotechnology
University of Kashmir

DEPARTMENT OF CLINICAL BIOCHEMISTRY
SHER-I- KASHMIR INSTITUTE OF MEDICAL SCIENCES
SOURA, SRINAGAR



Certificate

This is to certify that the thesis entitled "Evaluation of -1031(T/C) Single Nucleotide Polymorphism of TNF- α in Kashmiri PCOS women: The case-control study" is the bonafide work of Ms Eyenun Nisa and has been carried out in the Department of Clinical Biochemistry, Sher-I-Kashmir Institute of Medical Sciences, Soura, Srinagar, Kashmir under my Direct guidance and supervision.

This work has not been submitted partly or wholly for the award for any degree, diploma, fellowship or associateship.

Co-Supervisor
Dr Mohammad Ashraf Ganie
Professor
Department of Endocrinology & Metabolism
Sher-I-Kashmir Institute of Medical Science
Srinagar, India
SKIMS, Srinagar

Supervisor
Dr Syed Faridul Haque
Professor & Head
Department of Clinical Biochemistry
SKIMS Soura
Professor & Head
Department of Clinical Biochemistry
SKIMS, Srinagar

December 2020 – May 2021.

**DEPARTMENT OF ADVANCED CENTRE FOR HUMAN GENETICS,
SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES,
SOURA, SRINAGAR, KASHMIR**



Certificate

This is to certify that the work in this dissertation **“To investigate the role of polymorphic variation of molecular chaperone HSP70-2 + 1267 in autoimmune Graves’ disease in Kashmir valley”** is a bonafide work of **Mr. DAR MINHAJ UD DIN** and has been carried out under my guidance and supervision at the Department of Advanced Centre for Human Genetics, Sher-I-Kashmir Institute of Medical Sciences, Soura, Srinagar.

Dr. D. Afroze
Professor & Head
Department of Advanced
Centre for Human Genetics
SKIMS
Professor & Head
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Sher-I-Kashmir Institute of Medical Sciences
Soura, Srinagar.

**DEPARTMENT OF ADVANCED CENTRE FOR HUMAN GENETICS,
SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES,
SOURA, SRINAGAR, KASHMIR**



Certificate

This is to certify that the work in this dissertation entitled, “**Association of *MTHFR* C677T and *IL-1RN*^{VNTR} gene polymorphisms with the risk of Polycystic Ovary Syndrome**” is a bonafide work of **Ms. Bazila Bashir** and has been carried out under my guidance and supervision at the Department of Advanced Centre for Human Genetics, Sher-I-Kashmir Institute of Medical Sciences, Soura, Srinagar.

Dr. Dil Afroze
Professor & Head
Department of Advanced
Centre for Human Genetics
SKIMS Dr. Dil Afroze

Professor & HOD

Department of Advanced Centre for Human Genetics
Sher-I-Kashmir Institute of Medical Sciences
Soura, Srinagar

**DEPARTMENT OF ADVANCED CENTRE FOR HUMAN GENETICS,
SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES,
SOURA, SRINAGAR, KASHMIR**



Certificate

This is to certify that the work in this dissertation entitled **“To study the role of JAK/STAT pathway mediated androgen receptor regulation in HCC male predominance.”** is a Bonafede work of **Ms. ASMA BINTI YOUSOUF** and has been carried out under my guidance and supervision at the Department of Advanced Centre for Human Genetics, Sher-I-Kashmir Institute of Medical Sciences, Soura, Srinagar.

Dr. Dil Afroze
Professor & Head
Department of Advanced
Centre for Human Genetics
SKIMS
Dr. Dil Afroze

Professor & HOD

Advanced Centre for Human Genetics
Sher-I-Kashmir Institute of Medical Sciences Soura, Srinagar

DEPARTMENT OF IMMUNOLOGY & MOLECULAR MEDICINE
SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES
(SKIMS) SRINAGAR-190011, KASHMIR



Certificate

This is to certify that the dissertation entitled "*Covid-19 pandemic and role of IL-6 -174G/C promoter polymorphism in covid recovered subjects- A prospective study*" is a bonafied work of **Ms. Arooja Bashir** and has been carried out in the Department of Immunology and Molecular Medicines, Sher-i-Kashmir Institute of Medical Sciences, Srinagar Kashmir under our guidance and supervision.

This work had not been submitted partly or wholly for the award of any degree, diploma, fellowship or associateship.

Supervisor

Dr. Zafar Amin Shah
Prof. & Head
Department of Immunology & Mol. Med.
SKIMS, Srinagar

Immunology and Molecular Medicines, SKIMS

Co-Supervisor

Dr. Malik Gawhar Haq
Senior Resident
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SKIMS, Srinagar

Senior Resident

Co-Supervisor

Dr. Imtiyaz A Bhat
Senior Resident
Department of Immunology & Mol. Med.
SKIMS, Srinagar

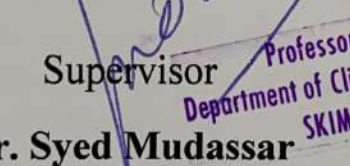
Senior Resident



Department of Clinical Biochemistry
Sher-I-Kashmir Institute of Medical Sciences
Soura, Srinagar, 190011 (Kashmir)

Certificate

This is to certify that the work in the thesis entitled “**Association of Transcriptional Co-Activator with PDZ-Binding Motif (TAZ) mRNA Expression and Clinicopathological Parameters in Patients with CRC**” is the bona fide work of **Ms. Adan Hafiz** and has been carried out in the Department of Clinical Biochemistry, Sher-I-Kashmir Institute of Medical Sciences, Srinagar, Kashmir (India) under our direct guidance and supervision.


Supervisor **Professor & Head**
Department of Clinical Biochemistry
SKIMS Soura

Professor & Head

Department of Clinical Biochemistry

SKIMS, Soura

**DEPARTMENT OF MICROBIOLOGY,
SKIMS MEDICAL COLLAGE AND HOSPITAL BEMINA, SRINAGAR, KASHMIR**



Certificate

This is to certify that the work in this dissertation entitled **“COINFECTION OF HUMAN INFLUENZA A VIRUS IN SARS CoV-2 POSTIVE PATIENTS** “is a bonafide work of **Mr. AAMIR ABBAS** and has been carried out under my guidance and supervision at the Department of Microbiology, Skims Medical Collage And Hospital, Bemina, Srinagar.

Dr. PROF SYED KHURSHEED AHMAD

HOD

Microbiology

Skims Medical Collage and Hospital, Bemina, Srinagar

Syed → Aw.
Dr. Syed Khurshid Ahmad
MBBS, MD
Prof. & HOD
Department of Microbiology
SKIMS-Medical College



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 **“Evaluation of metabolic syndrome, demographic and hormonal profile in Kashmiri PCOS women”** submitted by **AADINA MEHRAJ** 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 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 not been previously submitted for any award or degree, diploma, fellowship or other similar distinction from this institution.

Asst. Professor
Department of Biochemistry
Govt. Medical College
Srinagar

(Supervisor)

Tabassum Rashid
Dr. Tabassum Rashid

Assistant Professor

Department of Biochemistry

GMC, Srinagar

(Co-supervisor)

Mohd Hayat Bhat
Dr. Mohd Hayat Bhat

Senior consultant

Department of Endocrinology

Super-Speciality, GMC, Srinagar

Mohammad Hayat Bhat
Dr. Mohammad Hayat Bhat
MBBS, M.D., D.M., (Endocrinology) PGI
Fellow American College of Endocrinology (FACE)
Fellow Royal College of Physicians (Edinburg)
Consultant GMC, SSH, Srinagar



Department of Clinical Biochemistry
Sher-I-Kashmir Institute of Medical Sciences
Soura, Srinagar, 190011 (Kashmir)

Certificate

This is to certify that the work in the thesis entitled “**Role of mRNA Expression of Transcriptional Enhanced Associate Domain 4 in the Pathogenesis of Colorectal Carcinoma**” is the bona fide work of Ms. **Saniya Parvaiz** and has been carried out in the Department of Clinical Biochemistry, Sher-I-Kashmir Institute of Medical Sciences, Srinagar, Kashmir (India) under our direct guidance and supervision.

Supervisor

Dr. Syed Mudassar

Professor & Head

Department of Clinical Biochemistry

SKIMS, Soura

*Professor & Head
Department of Clinical Biochemistry
SKIMS Soura*

DEPARTMENT OF IMMUNOLOGY & MOLECULAR MEDICINE
SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES
(SKIMS) SRINAGAR-190011, KASHMIR



Certificate

This is to certify that the dissertation entitled "*A comparative study of ACE2 G8790A and ACE I/D polymorphisms in Covid-19 recovered patients of Kashmir valley*" is a bonafied work of *Ms. Sadaf Rasool* and has been carried out in the Department of Immunology and Molecular Medicines, Sher-i-Kashmir Institute of Medical Sciences, Srinagar Kashmir under our guidance and supervision.

This work had not been submitted partly or wholly for the award of any degree, diploma, fellowship or associateship.

Supervisor

[Signature]
Dr. Zafar Amin Shah

Professor & Head
Deptt. of Immunology & Mol. Med.
SKIMS, Srinagar

Immunology and Molecular Medicines, SKIMS

[Signature]
Co-Supervisor

Dr. Malik Gawharul Haq

Senior Resident
Deptt. of Immunology & Mol. Med.
SKIMS, SRINAGAR.

[Signature]
Co-Supervisor

Dr. Imtiyaz Ahmad

Senior Resident
Deptt. of Immunology & Mol. Med.
SKIMS, SRINAGAR.

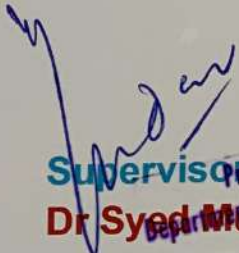
DEPARTMENT OF CLINICAL BIOCHEMISTRY
SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES SOURA,
SRINAGAR



Certificate

This is to certify that the thesis entitled "**The Clinical Importance of SuFu mRNA Expression in Colorectal Malignancies**" is the bonafide work **Ms Samina Samoon** of and has been carried out in the Department of Clinical Biochemistry, Sher-I-Kashmir Institute of Medical Sciences, soura, Srinagar, Kashmir under my Direct guidance and supervision.

This work has not been submitted partly or wholly for the award for any degree, diploma, fellowship or associateship.


Supervisor Professor & Head
Dr Syed Mudassar Department of Clinical Biochemistry
SKIMS Soura

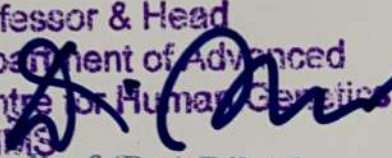
Professor & Head
Department of Clinical Biochemistry
SKIMS, Srinagar

DEPARTMENT OF ADVANCED CENTRE FOR HUMAN GENETICS,
SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES,
SOURA, SRINAGAR, KASHMIR



Certificate

This is to certify that the work in this dissertation entitled “**Evaluating the role of Stimulator of interferon gene 1 (STING1) in breast cancer pathogenesis**” is a bonafide work of **MIR SARVAR HUSSAIN** and has been carried out under my guidance and supervision at the Department of Advanced Centre for Human Genetics, Sher-I-Kashmir Institute of Medical Sciences, Soura, Srinagar.

Dr. Dil Afroze
Professor & Head
Department of Advanced
Centre for Human Genetics
SKIMS

Prof (Dr.) Dil Afroze

HOD

Advanced Centre for Human Genetics
Sher-I-Kashmir Institute of Medical Sciences
Soura, Srinagar


DEPARTMENT OF CLINICAL BIOCHEMISTRY
SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES
SOURA, SRINAGAR



Certificate

This is to certify that the thesis entitled **“Role of GLI1, downstream regulatory component of Hedgehog Signaling pathway in colorectal carcinoma in Kashmiri population”** is the bonafide work of **Ms SHAMS-UN-NISA** and has been carried out in the Department of Clinical Biochemistry, Sher-I-Kashmir Institute of Medical Sciences, Soura Srinagar, Kashmir under my direct guidance and supervision.

This work has not been submitted partly or wholly for the any degree, diploma, fellowship or associateship.


Supervisor
Dr. Syed Moazzam
Professor
Department of Clinical Biochemistry
SKIMS Soura
Department of Clinical Biochemistry
SKIMS, Srinagar

DIVISION OF ANIMAL BIOTECHNOLOGY

Faculty of Veterinary Sciences and Animal Husbandry,

SHERI-KASHMIR UNIVERSITY OF AGRICULTURAL SCIENCES

AND TECHNOLOGY-KASHMIR, SHUHAMA, ALASTANG,
SRINAGAR



CERTIFICATE

This is to certify that the study entitled “**Evaluation of Myogenic Gene Expression at Embryonic Stage in poultry (Gallus gallus)**”, is an original and independent work of **SUMERA AYOUB** carried out on chicken embryos. The work undertaken by her has not been previously submitted for the award of any degree, diploma, fellowship, or other similar distinction from this institution. She has done her work under my guidance and supervision in partial fulfillment of the requirement for the award of a master’s degree in clinical-biochemistry.

The work done by Miss Sumera Ayoub is the intellectual property of laboratory of vaccine biotechnology, Division of Animal Biotechnology, FVSc and AH SKUAST-KASHMIR. Therefore, no part of this work shall be communicated for publication or presented in scientific conferences in any form without prior notice to the Head, Division of Animal Biotechnology, FVSc and AH, SKUAST-Kashmir.

Dr. Nadeem Shabir

Assistant Professor

Division of Animal Biotechnology

SKUAST-K, Shuhama



Dr. Nadeem Shabir
Assistant Professor
Animal Biotechnology
FVSc & AH, SKUAST-K

**DEPARTMENT OF ADVANCED CENTRE FOR HUMAN GENETICS,
SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES,
SOURA, SRINAGAR, KASHMIR**



Certificate

This is to certify that the work in this dissertation entitled “**The role of microRNAs-26a as potential circulatory biomarker In Duchenne Muscular Dystrophy(DMD) diagnosis**” is a bonafide work of Ms. **TABISH BALA** and has been carried out under my guidance and supervision at the Department of Advanced Centre for Human Genetics, Sher-I-Kashmir Institute of Medical Sciences, Soura, Srinagar.

Dr. Dil Afroze
Professor & Head
Department of Advanced
Centre for Human Genetics
SKIMS Dr. Dil Afroze

Professor & HOD

Advanced Centre for Human Genetics
Sher-I-Kashmir Institute of Medical Sciences Soura, Srinagar

Department of Biochemistry

Govt. Medical College Srinagar

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

(Research Centre-University of Kashmir)

CERTIFICATE



This is to certify that the dissertation titled “**Determine the link between the role of Interleukin-6 (IL-6) and stress in medical students: A cross-sectional study**” is an original and independent work of Mr. **Umar Farooq Parrey** submitted to the Department of Clinical Biochemistry, University of Kashmir, Hazratbal Srinagar for the partial fulfillment of Master’s Degree in Clinical Biochemistry. He has done his work under our guidance and supervision in the Department of Biochemistry, Government Medical College Srinagar, Karan-Nagar, Jammu and Kashmir, India. The work undertaken by him has not been previously submitted for any award of degree, diploma, fellowship or other similar distinction from institution.

(Co-supervisor)

Dr. Barkul Afad

Resident Psychiatry

GMC, Srinagar

(Supervisor) Dr.

Associate Professor
Department of Biochemistry
Govt. Medical College
Srinagar

Associate Professor

Department of Biochemistry

GMC, Srinagar



DIVISION OF ANIMAL BIOTECHNOLOGY

Faculty of Veterinary Sciences and Animal Husbandry

**SHERI-KASHMIR UNIVERSITY OF AGRICULTURAL SCIENCES AND
TECHNOLOGY-KASHMIR, SHUHAMA ALASTANG SRINAGAR**

CERTIFICATE

This is to certify that **Zainab Manzoor**, student of M.Sc. Clinical Biochemistry (4th semester), University of Kashmir, has successfully completed her project work entitled "**Comparative expression and functional analysis of circular RNAs in mammary epithelial cells revealed difference in milk synthesis between two cattle breeds**" in this department under the guidance of Dr. Syed Mudasir Andrabi, Associate Professor, Division of Animal Biotechnology for a period of six months w.e.f November-April 2021.

Dr. Syed Mudasir Andrabi

(Associate Professor)

Dr. Riaz Ahmad Shah
Head
Div. of Animal Biotech
MSc & A.H, SKUAST-K
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Department of Biochemistry

Govt. Medical College Srinagar

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

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962220953;

Email: Zululubaba@gmail.com <http://www.gmcs.edu.in>

CERTIFICATE

This is to certify that the study entitled “**Pattern of Salt Sensitivity in Ethnic Kashmiri Population Attending Tertiary Care Hospital in North India**” is an original and independent work of Ms **Nawsheena Mushtaq** submitted to the Department of Clinical Biochemistry, University of Kashmir, Hazratbal Srinagar for the partial fulfillment of Masters Degree in Clinical Biochemistry. She has done her work under our guidance and supervision in the Department of Biochemistry, Govt. Medical College Srinagar, Karan-Nagar, Jammu and Kashmir, India. 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 Sabhiya Majid

Professor and Head

Department of Biochemistry

GMC, Srinagar

Head of the Department
Department of Biochemistry
Govt. Medical College, Srinagar

(Co-supervisor)

Dr Javaid Ahmad Chachoo

Consultant and Physician

Department of Biochemistry

GMC, Srinagar

Assistant Professor
Department of Medicine,
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Post Graduate Department of Medicine,
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Srinagar

**DEPARTMENT OF ADVANCED CENTRE FOR HUMAN GENETICS,
SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES,
SOURA, SRINAGAR, KASHMIR**



Certificate

This is to certify that the work in this dissertation entitled “**implications of polymorphic sequence variation and its expression in patients with breast cancer**” is a bonafide work of **Ms. KAWSAR MUSHTAQ** and has been carried out under my guidance and supervision at the Department of Advanced Centre for Human Genetics, Sher-I-Kashmir Institute of Medical Sciences, Soura, Srinagar.

Dr. Dil Afroze
Professor & Head
Department of Advanced
Centre for Human Genetics
SKIMS **Dr. Dil-Afroze**

Head of the Department

Advanced Centre for Human Genetics

Sher-I-Kashmir Institute of Medical Sciences


Soura, Srinagar

**DEPARTMENT OF ADVANCED CENTRE FOR HUMAN GENETICS,
SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES,
SOURA, SRINAGAR, KASHMIR**



Certificate

This is to certify that the work in this dissertation entitled “**EXPRESSION PROFILE OF VEGF-D IN OVARIAN CANCER PATIENTS IN KASHMIR VALLEY**” is a bonafide work of **Mr. JAMSHEED MAJEED PARRAY** and has been carried out under my guidance and supervision at the Department of Advanced Centre for Human Genetics, Sher-I-Kashmir Institute of Medical Sciences, Soura, Srinagar.


Dr. Dr. Afroze
Professor & Head
Department of Advanced
Centre for Human Genetics
SKIMS
HOD

Advanced Centre for Human Genetics

Sher-I-Kashmir Institute of Medical Sciences Soura, Srinagar