

**DEPARTMENT OF BIOTECHNOLOGY UNIVERSITY OF
KASHMIR SRINAGAR**



TO WHOM IT MAY CONCERN

This is to certify that **RAHEE GULZAR**, student of M.Sc Clinical Biochemistry (4th semester) of University of Kashmir has successfully completed her project work entitled "**Generation of CRISPR IRE1 α Knockout HEK 293T cell lines**" under the supervision of Dr. Younis Mohammad Hazari in this Department for the period of six months.

Dr. Younis Mohammad Hazari
Scientist-D
Department of Biotechnology
University of Kashmir

Dr. Younis Hazari
Scientist D
Department of Biotechnology
University of Kashmir

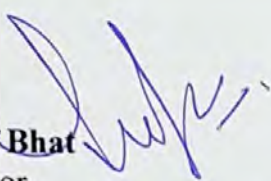
Prof. Mehboob Ul Hussain
Head of Department
Department of Biotechnology
University of Kashmir
**Prof & Head
Deptt. of Bio-Technology
University of Kashmir**

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



Certificate

This is to certify that **Humairah Sikandar (Enrollment Number: 21057119011)**, student of M.Sc. Clinical Biochemistry (4th semester) has worked under my supervision from Jun 2023 to Dec 2023 on the project entitled “**Understanding the role of tor1(TORC2) in Genome Organisation**”. 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
Assistant professor
Centre for Interdisciplinary Research and Innovations
University of Kashmir
Dr. ALTAF BHAT
Assistant Professor
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 **AUROOJ UL MUNTAHA**, student of M.Sc. Clinical Biochemistry (4th semester) has worked under my supervision from June 2023 to Nov 2023 on the project entitled "Understanding the role of DotISQE motif in regulation of DotI mediated 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

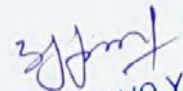
Dr. ALTAFA BHAT (CIRI)
Assistant Professor
Centre for Interdisciplinary
Research and Innovations
University of Kashmir

Centre for Interdisciplinary Research and Innovations (CIRI)
University of Kashmir Hazratbal Srinagar- 190006



CERTIFICATE

This is to certify that the dissertation work entitled “**Modifying the pGS21a expression vector by insertion of HRV 3C protease site**” submitted by **Ms. Gazala Ghulam** in the partial fulfilment of the requirement for the Masters degree in clinical Biochemistry at the University of Kashmir is an original and independent work carried out by her under my guidance and supervision at Centre for Interdisciplinary Research and Innovations, University of Kashmir, Srinagar, Jammu, and Kashmir- 190006. To the best of my knowledge, the work undertaken by her has not been previously submitted for any award or degree, diploma, fellowship, or other similar distinction from this institution.


Dr. Javaid Yousuf Bhat
(Supervising Investigator)
Centre for Interdisciplinary
Research and Innovations
University of Kashmir

DATED 22-12-2023

CERTIFICATE

is to confirm that **SANA FAYAZ**, a student enrolled in the M.Sc. Clinical Biochemistry program (semester) at the University of Kashmir, has successfully concluded her project titled "*Evaluation of Cytogenic Immune Modulators on Primary Cell Culture*" during her six-month tenure at our startup. This project was conducted under the guidance of Naveed Anjum Chikan, Chief Scientific Officer at Daskdan Innovations Pvt. Ltd., within the SKUAST-Kashmir Innovation Incubation and Entrepreneurship Centre.

aCAP
Rediscovering phytotherapy

Date: 15/12/2023

NAVEED ANJUM CHIKEN

Director

DIN: 08762378



Phone

+91-9797799603

Email

naveedchikan@daskdan.co.in

Address

SKIEE-Centre, SKUAST-Kashmir,
Shalimar, Srinagar, Jammu and
Kashmir, India 190006



DATED 14-12-2023

CERTIFICATE

This is to confirm that **ASIFAH NAZIR**, a student enrolled in the M.Sc. Clinical Biochemistry program (4th semester) at the University of Kashmir, has successfully concluded her project titled "In-Cell Protease Assay for the Evaluation of Infectious Bronchitis Virus (IBV) Inhibitors targeting Main Protease (Mpro) and Papain-Like Protease (PLpro)" during her six-month tenure at our startup. This project was conducted under the guidance of Naveed Anjum Chikan, Chief Scientific Officer at Daskdan Innovations Pvt. Ltd., within the SKUAST-Kashmir Innovation Incubation and Entrepreneurship Centre.

Date: 14/12/2023

NAVEED ANJUM CHIKEN

Director

DIN: 08762378



Phone

+91-9797799603



Email

naveedchikan@daskdan.co.in



Address

SKIEE-Centre, SKUAST-Kashmir,
Shalimar, Srinagar, Jammu and
Kashmir, India 190006

F.V.Sc & AH, SKUAST-K, SHUHAMA, ALUSTANG,
SRINAGAR



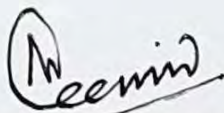
DIVISION OF VETERINARY MICROBIOLOGY AND IMMUNOLOGY

Faculty of veterinary Sciences and Animal Husbandary

Sheri-Kashmir University of Agricultural Sciences and Technology-Kashmir,
Shuhama, Alustang Srinagar.

CERTIFICATE

This is to certify that **Nusrat Hyder**, student of the Department of **M.Sc.Clinical Biochemistry (4th semester)**, University of Kashmir, has successfully completed her project work entitled **"Molecular detection and characterization of Infectious Bursal Disease Virus"** in this department under the guidance of **Dr. Mir Nadeem Hassan**, Assistant Professor, Division of veterinary Microbiology and Immunology for the period of six months.



Dr. Mir Nadeem Hassan

Assistant Professor
(Supervisor)
Division of Veterinary Microbiology
& Immunology
Faculty of Veterinary Science and
Animal Husbandary, SKUAST-K,
Shuhama Alusteng



Dr. Sabia Qureshi

Professor
(Head of Department)
Division of Veterinary Microbiology
& Immunology
Faculty of Veterinary Science and
Animal Husbandary, SKUAST-K,
Shuhama Alusteng

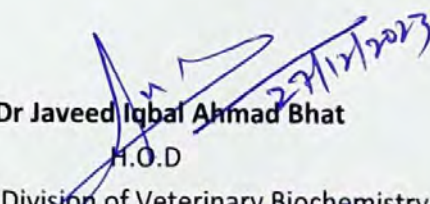


Faculty of Veterinary Sciences and Animal Husbandry

SKUAST, Kashmir.

CERTIFICATE

This is to certify that the dissertation report entitled Understanding the “Effectiveness of Naringenin in PA-1 Ovarian Cancer Cells In-vitro” is an original contribution by **Munazah Rashid**, student of masters in Clinical Biochemistry (4th semester), **University of Kashmir** and has successfully completed the research work for the partial fulfillment for the degree of **Masters in Clinical Biochemistry** under my supervision at **Faculty of Veterinary Science and Animal Husbandry Division of Biochemistry, SKUAST Kashmir**


Dr Javeed Iqbal Ahmad Bhat
H.O.D

Division of Veterinary Biochemistry
FVSC & AH
Professor & Head
Division of Veterinary Biochemistry
SKUAST Kashmir, Shuhama
SKUAST-K, Srinagar Kashmir


Dr. Ishraq Hussain

(Supervisor)
Associate Professor
Associate Professor
Division of Vety. Biochemistry
F V Sc & A H
FVSC & AH,
Shuhama
SKUAST Kashmir

Sher-e-Kashmir University of Agricultural Sciences and Technology,

Faculty of Veterinary Science and Animal Husbandry

Division of Veterinary Biochemistry

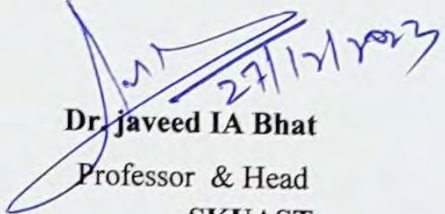


CERTIFICATE

This is to certify that dissertation entitled “ANTI-CANCER EFFECT OF NARINGENIN ON HUMAN TRIPLE NEGATIVE BREAST ADENOCARCINOMA CELL LINE” is original contribution by **KOUNSER JAN**, a student of master’s in clinical Biochemistry (IV Semester), at the **University of Kashmir**. The research work has been successfully completed for the partial fulfilment of the degree of **master’s in clinical Biochemistry** under my supervision at Sher-e-Kashmir University of Agricultural Sciences and Technology, Faculty of Veterinary Science and Animal Husbandry, Division of Biochemistry, Kashmir, India.


Dr. Shahzada Mudasar Rashid

Assistant Professor
Division of Veterinary Biochemistry
SKUAST,
F.V.Sc. & A.H.
Alusteng 19006, Kashmir, india.

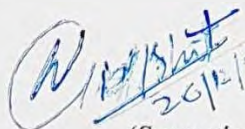

Dr. Javeed IA Bhat

Professor & Head
SKUAST

Division of veterinary biochemistry
Professor & Head
Division of Veterinary Biochemistry
F.V.Sc & A.H, Shuhama
QUAST-K, Srinagar Kashmir

CERTIFICATE

This is to certify that the dissertation work entitled “ **Cloning, Expression and Purification of SPN1** ” submitted by **Ms. Aaliya Anwar** in the partial fulfilment of the requirement for the Master’s degree in Clinical Biochemistry at the University of Kashmir is an original and independent work carried out by her under my guidance and supervision at Centre for Interdisciplinary Research and Innovations, University of Kashmir, Srinagar, Jammu, and Kashmir- 190006. To the best of my knowledge, the work undertaken by her has not been previously submitted for any award or degree, diploma, fellowship, or other similar distinction from this institution.


20/12/2023

(Supervisor)

Dr. Abdul Wajid Bhat

Principal Investigator
Ramannian Fellow
Centre for Interdisciplinary Research
& Innovations (CIRI)
University of Kashmir, Srinagar



Faculty of Veterinary Sciences and Animal Husbandry

SKUAST, Kashmir

CERTIFICATE

This is to certify that dissertation report entitled “A Study on Anti-Cancer Potential of Morin in Human Ovarian Cancer Cell Line PA-1 in-vitro” is an original contribution by **Bilkees Jamal**, student of Masters in Clinical Biochemistry (IV Semester), **University of Kashmir** and has successfully completed the research work for the partial fulfilment for the degree of **Masters in Clinical Biochemistry** under my supervision at Faculty of Veterinary Science and Animal Husbandry Division of Biochemistry, SKUAST Kashmir.

Dr. Javeed IA Bhat

Professor & Head

Division of Veterinary Biochemistry

FVSc & AH,

SKUAST, Kashmir

Professor & Head
Division of Veterinary Biochemistry
FV Sc & A H, Shuhama
SKUAST-K, Srinagar Kashmir

Dr. Ishraq Hussian

(Supervisor)
Associate Professor
Division of Veterinary Biochemistry

Division of Veterinary Biochemistry

FVSc & AH, SKUAST, Kashmir



**Faculty of Veterinary Sciences and Animal Husbandry
SKUAST, Kashmir.**

CERTIFICATE

This is to certify that dissertation report entitled “**In-vitro Assessment of 1-Deoxynojirimycin (DNJ) Against NCIH-460 Human Lung Cancer Cell Line**” is an original contribution by **Nelofar Hassan**, student of Masters in Clinical Biochemistry (IV Semester), **University of Kashmir** and has successfully completed the research work for the partial fulfilment for the degree of **Masters in Clinical Biochemistry** under my supervision at Faculty of Veterinary Science and Animal Husbandry Division of Biochemistry, SKUAST Kashmir.

Dr. Javed IA Bhat

Professor & Head

Division of Veterinary Biochemistry,

FVSc & AH,

Professor & Head

SKUAST, Kashmir

Division of Veterinary Biochemistry

F V Sc & A H, Shuhama

SKUAST-K, Srinagar Kashmir

Dr. Shahzada Mudasar Rashid

Assistant (Supervisor)

Assistant professor

Division of Veterinary Biochemistry,

SKUAST, Kashmir



Sher-e-Kashmir

University of Agricultural Sciences and Technology of Kashmir
Faculty of Veterinary Sciences and Animal Husbandry
DIVISION OF VETERINARY MICROBIOLOGY & IMMUNOLOGY
Shuhama, Alusteng Srinagar.

CERTIFICATE

This is to certify that **Rabiya Manzoor**, student of M. Sc. Clinical Biochemistry (4th semester), University of Kashmir, has successfully completed her project work entitled “Prevalence and Molecular Characterization of Extended Spectrum Beta Lactamase (ESBL) producing *Escherichia coli* in poultry from Kashmir” in this department under the guidance of **Dr. Zahid Amin Kashoo**, Assistant Professor, Division of Veterinary Microbiology & Immunology for a period of six months.

Dr. Zahid Amin Kashoo
Assistant Professor
(supervisor)
Division of Veterinary Microbiology
& Immunology

Dr. Sabia Qureshi
Head & professor
Division of Veterinary
Microbiology & Immunology



Sher- e- Kashmir


University of Agricultural Sciences and Technology of Kashmir

Faculty of Veterinary Sciences and Animal Husbandry

**DIVISION OF VETERINARY MICROBIOLOGY & IMMUNOLOGY
SHUHAMA, ALUSTENG SRINAGAR.**

Certificate

This is to certify that **Rabiya Bashir**, student of **M.Sc. Clinical Biochemistry (4th semester)**, University of Kashmir, has successfully completed her project work entitled "**Clinical and Molecular Analysis of Orf virus during an outbreak in Goats**" in the division of Veterinary Microbiology & Immunology under the guidance of **Dr. Pervaiz Dar**, Assistant Professor, Division of Veterinary Microbiology and Immunology for a period of six months.


Dr. Sabia Qureshi
Head & Professor
Division of Veterinary, Microbiology &
Immunology
Faculty of veterinary science and
animal Husbandry, SKUAST-K,
Shuhama Alusteng Srinagar, 190006


Dr. Pervaiz Dar
Assistant Professor
(Supervisor)
Division of Veterinary,
Microbiology & Immunology
Faculty of veterinary science and
animal Husbandry, SKUAST-K,
Shuhama Alusteng, Srinagar,
190006



Jawaharlal Nehru Center for Advanced Scientific Research
(An autonomous body under the Department of Science & Technology, GoI)

Jakkur, Bengaluru, Karnataka, India - 560 064

Contact: sheeba@jncasr.ac.in; Work: +91 (80) 2208 27; Fax: +91 (80) 22082766

CERTIFICATE

This is to certify that the project entitled 'entitled "**Investigating the neuronal circuits mediating orbital motion induced sleep in *Drosophila melanogaster***" submitted by **Mr. JUNAID UL SHAFI MIR**, in partial fulfillment for the award of M.Sc. in Clinical biochemistry Degree of the University of Kashmir, is based on the studies carried out by him under my guidance and supervision. It is further certified that this dissertation / any other part thereof has not been submitted elsewhere for any other degree.

Place: Bengaluru

Date:

(Prof. Sheeba Vasu)

Project Guide

Neuroscience Unit
Jawaharlal Nehru Centre for
Advanced Scientific Research
Jakkur P. O., Bengaluru - 560 064

**CENTRE FOR INTERDISCIPLINARY RESEARCH AND
INNOVATIONS (CIRI)**

UNIVERSITY OF KASHMIR-SRINAGAR

(NAAC Accredited Grade "A+")

CERTIFICATE

This is to certify that the dissertation work entitled "**Exploring the Therapeutic Potential of Palladium-Containing Nanomicelles: Anticancer and Antimicrobial Studies**" submitted by **Ms. Beenish Shakeel** in the partial fulfilment of the requirement for the Masters degree in clinical Biochemistry in the University of Kashmir is an original and independent work carried out by her under my guidance and supervision at Centre for Interdisciplinary Research and Innovations, University of Kashmir, Srinagar, Jammu, and Kashmir- 190006. To the best of my knowledge, the work undertaken by her has not been previously submitted for any award or degree, diploma, fellowship, or other similar distinction from this institution.



Dr. Gulzar Ahmad Bhat

(Supervisor)

Ramanujan Fellow

Centre for Interdisciplinary
Research and Innovations
University of Kashmir



Sher-e-Kashmir
University of Agricultural Sciences and Technology-Kashmir
DIVISION OF VETERINARY BIOCHEMISTRY
Faculty of Veterinary Sciences and Animal Husbandry, Shuhama,
Srinagar Kashmir, 190012

CERTIFICATE

This is to certify that dissertation work entitled **“To Evaluate The Efficiency Of Gelatin/oxidized Gellan Gum/Zein Nano-Hydrogel System Loaded With Quercetin on Full-thickness Wound In Wistar Rats.”** submitted to the Faculty of Science, University of Kashmir in partial fulfilment of the requirements for the degree of Masters in Clinical Biochemistry at Department of Clinical Biochemistry, University of Kashmir, is a faithful record of bonafide research work carried out by MS Shafia Manzoor under my supervision.

Dr. Showkeen Muzamil
Assistant Professor
Division of Veterinary Biochemistry
FVSc & AH, Shuhama, SKUAST-K

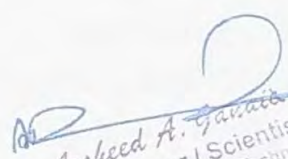
Dr. Showkeen Muzamil
Assistant Professor
Vety. Biochem. SKUAST-K

SKUAST
KASHMIR



CERTIFICATE

This is to certify that **AASIM HUSSAIN ZARGER**, student of MSc. Clinical biochemistry, University of Kashmir has successfully completed his project work entitled “ **Cloning & expression of Dkk-1 (Wnt signalling inhibitor) to check its role in prostate cancer progression**” in this centre from June 2023 to December 2023 and constitutes the practical training course and dissertation work.


Dr. Arsheed Ahmad Ganai
Assistant Professor / Scientist D
Islamic University of Science & Technology
Awantipora (J&K)

Watson-Crick Centre for Molecular Medicine

F.V.Sc & AH, SKAUST-K, SHUHAMA, ALUSTANG,
SRINAGAR



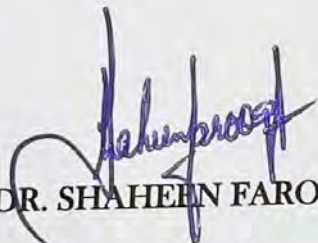
DIVISION OF VETERINARY MICROBIOLOGY & IMMUNOLOGY

Faculty of Veterinary Sciences and Animal Husbandry

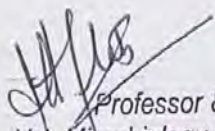
Sheri-Kashmir University of Agricultural Sciences and technology-Kashmir,
Shuhama, Alustang, Srinagar.

Certificate

This is to certify that **Uznain Trambo**, student of M.Sc. Clinical Biochemistry (4th semester), University of Kashmir, has successfully completed her project work entitled "Molecular detection and strain typing of *Mycobacterium avium* subspecies *paratuberculosis* (MAP) from faeces of sheep and goats in district Ganderbal" in the division of Veterinary Microbiology & Immunology under the guidance of **Dr. Shaheen Farooq**, Subject Matter Specialist (Animal Science) KVK Ganderbal, for a period of six months.


DR. SHAHEEN FAROOQ

Subject Matter Specialist
(Animal Science)
KVK-Ganderbal
Faculty of Veterinary Sciences and Animal
Husbandry, SKAUST-K, Shuhama Alustang
Srinagar, 190006


DR. SABIA QURESHI
Professor & Head
of Microbiology & Immunology
SKAUST-Kashmir
Shuhama (Alustang) Srinagar
Professor & Head
Division of Veterinary Microbiology and
Immunology
Faculty of Veterinary Sciences and Animal
Husbandry, SKAUST-K, Shuhama Alustang
Srinagar, 190006



Center of Research for Development

University of Kashmir, Srinagar

Dated.....

Ref. No.....

CERTIFICATE

This is certify that the dissertation work entitled "*Expression Analysis of VAMP2 and miRNA-21 in T2DM Patients*" submitted by *MEHRAJ UD DIN DAR* 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 '*Laboratory of Biochemistry and Molecular Biology*' CORD University Of Kashmir, Srinagar, Jammu and Kashmir-190006. 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.

Dr. Bashir Ah Ganai
Professor CORD
University Of Kashmir




Department of Clinical Biochemistry

University of Kashmir

Certificate

This is to certify that Ms. Shahidah Rahman did her dissertation project work towards the fulfillment of her M.Sc. in Clinical Biochemistry at University of Kashmir in my lab at department of clinical Biochemistry University of Kashmir from June 2023 to December 2023. The title of her project was **“Expression, Purification and Biophysical Characterization of α -Synuclein and its A53T mutant linked to early onset Parkinson’s disease”**. Ms. Shahidah 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. Tanveer Ali Dar



UNIVERSITY OF KASHMIR
DEPARTMENT OF NANOTECHNOLOGY

Certificate

This is to certify that **Mujeeb Ul Hussain**, student of M.Sc. Clinical Biochemistry (4th semester), University of Kashmir, Srinagar, has worked under my supervision from JUNE 2023 till NOVEMBER 2023 on the project entitled “**Cloning and purification of SIX1 and its truncated forms in bacterial expression system**” and has successfully completed his project work. The empirical findings in this report are based on the data and information collected by him under my guidance and supervision. I certify that the work done is original.

Dr. Mushtaq Ahmad Beigh

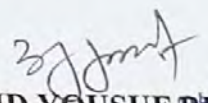
Supervisor
Assistant Professor
Dept. of Nanotechnology
University of Kashmir

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



CERTIFICATE

This is to certify that project work entitled “**Expression and partial purification of uncharacterized *E.coli* protein, YehQ**” is an original contribution by **MASARAT FAROOQ**, 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 YUSUF BHAT
(Principal Investigator)
Centre for Interdisciplinary
Research and Innovations
University of Kashmir

UNIVERSITY OF KASHMIR
DEPARTMENT OF NANOTECHNOLOGY



Certificate

This is to certify that **SADAF GANI**, student of M.Sc. Clinical Biochemistry (4th semester), University of Kashmir, Srinagar, has worked under my supervision from JUNE 2023 till DECEMBER 2023 on the project entitled “**Evaluation of Grainy head- like (GRHL2) transcription factor as anovel AKT substrate**” and has successfully completed her project work. 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. Mushtaq A. Beigh
Supervisor
Assistant Professor
Dept. of Nanotechnology
University of Kashmir

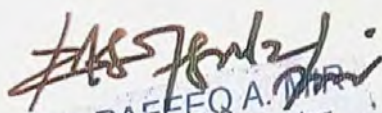
**CENTRE FOR INTERDISCIPLINARY RESEARCH AND
INNOVATIONS (CIRI)**

UNIVERSITY OF KASHMIR-SRINAGAR

(NAAC Accredited Grade "A+")

CERTIFICATE

This is to certify that the work in the thesis entitled "CRISPR-Cas Base editing to produce Parkinson's Disease associated VPS35 [D620N] Neuronal cell line" is the bona fide work of Ms. Afreen Hameed and has been carried out at the Centre for Interdisciplinary Research and Innovations, University of Kashmir, Srinagar, Kashmir (India) under the guidance and supervision of Dr. Rafeeq Ahmad Mir, Ramalingaswami Fellow, Centre for Interdisciplinary Research and Innovations, University of Kashmir, Srinagar.


Dr. Rafeeq Ahmad Mir

Principal Investigator

Centre for Interdisciplinary
Research and Innovations

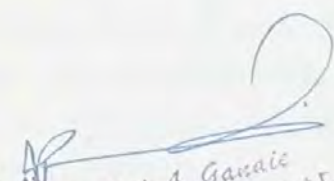
University of Kashmir

Centre for Interdisciplinary Research and Innovations
University of Kashmir, Srinagar.



CERTIFICATE

This is to certify that **AADIL MUSHTAQ GANIE**, student of MSc. Clinical biochemistry, University of Kashmir has successfully completed his project work entitled “ **To unveil the role of CD73 & SPOP in cancer progression** ” in this centre from June 2023 to December 2023 and constitutes the practical training course and dissertation work.


Dr. Arsheed Ahmad Ganai

Assistant Professor

Scientist D
Islamic University of Science & Technology
Awantipora (J&K)

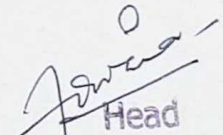
Watson-Crick Centre for Molecular Medicine

DEPARTMENT OF CLINICAL BIOCHEMISTRY UNIVERSITY OF
KASHMIR SRINAGAR



CERTIFICATE

This is to certify that **HUMAIRA NISAR**, enrollment no. **21057119010** is a bonafide student of the Department of Clinical Biochemistry and has successfully completed her project work entitled as **“Generation, Expression and Purification of recombinant *Drosophila* ISWI mutants”** from Department of Biotechnology University of Kashmir.

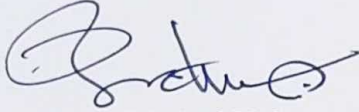

Head
Dept. of Clinical Biochemistry
University of Kashmir
Srinagar-190006

H. O.D, Department of Clinical Biochemistry

University of Kashmir Srinagar-190006

Certificate

This is to certify that the student **Uzair Bashir** is a bonafide student of the Department of Clinical Biochemistry, University of Kashmir and that he has successfully completed his dissertation work entitled "**Characterizing the role of ABCB transporter in JA Pathway**" at National Institute of Plant Genome Research (NIPGR) New Delhi.



Dr. Jyothilakshmi Vadassery

Staff Scientist V

National Institute of Plant Genome Research

New Delhi, 110067



Dr. Fouzia Rashid

Head
Dept. of Clinical Biochemistry

HOD, Dept. of Clinical Biochemistry

University of Kashmir
Srinagar, 190006

Srinagar, 190006

डॉ. ज्योतिशक्ती वडसरा/Dr. Jyothilakshmi Vadassery

शैक्षणिक/Scientist-V

राष्ट्रीय पौधे आनुवंशिकता संशोधन

National Institute of Plant Genome Research

आरुण आनंद आलुम, नई दिल्ली - 110067

Aruna Anand Allum, New Delhi - 110067

DEPARTMENT OF BIOTECHNOLOGY UNIVERSITY
OF KASHMIR SRINAGAR



TO WHOM IT MAY CONCERN

This is to certify that **RAFIA FAROOQ**, student of M.Sc Clinical Biochemistry (4th semester) of University of Kashmir has successfully completed her project work entitled “**IRE1 regulates the transmembrane emp24 domain proteins to adjust the secretory output of endoplasmic reticulum**” under the supervision of Dr. Younis Mohammad Hazari in this Department for the period of six months.

Dr. Younis Mohammad Hazari

Scientist-D

Department of Biotechnology

University of Kashmir

Dr. Younis Hazari
Scientist D
Department of Biotechnology
University of Kashmir

Prof. Mehboob Ul Hussain

Head of Department

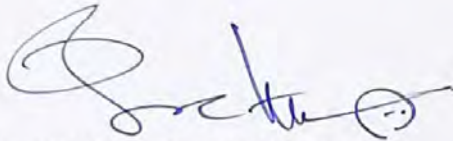
Department of Biotechnology

Deptt. of Bio-Technology

University of Kashmir

Certificate

This is to certify that the student **Rida Fatima** is a bonafide student of the Department of Clinical Biochemistry, University of Kashmir and she has successfully completed her dissertation work entitled " **Molecular cloning and *in-silico* characterization of candidate *Piriformospora indica* effectors**" at National Institute of Plant Genome Research (NIPGR) New Delhi.

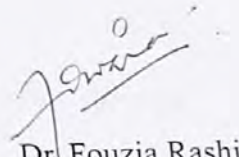


Dr. Jyothilakshmi Vadassery

Staff Scientist V

National Institute of Plant Genome Research

New Delhi, 110067



Dr. Fouzia Rashid

HOD, Dept. of Clinical Biochemistry

University of Kashmir

Head
Srinagar, 190006

Dept. of Clinical Biochemistry
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डा. ज्योतिष्कमी वडसेरी/Dr. Jyothilakshmi Vadassery
वैज्ञानिक/Scientist-V
राष्ट्रीय पादप जीनोम अनुसंधान संस्थान
National Institute of Plant Genome Research
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Aasma Road All Market, New Delhi - 110067



P.G Programme in Clinical Biochemistry
Department of Clinical Biochemistry
University of Kashmir, Hazratbal, Srinagar-190006

CERTIFICATE

This is to certify that **UQSA SHAREEF** (Enrollment No. **21057119030**) is a bonafide student of **Department of clinical biochemistry** and she has successfully completed her dissertation work entitled “**Vitamin D Alleviates The Pathognomonic Lesions In Experimentally Induced PCOS Rat Model**” in **Veterinary Biochemistry Laboratory, at Faculty of veterinary sciences and animal husbandry, Sher-e-Kashmir University of Agricultural Sciences and Technology (SKUAST), Srinagar, Jammu and Kashmir.**

Mentor

Dr. Showkeen Muzamil

Assistant Professor Muzamil

FVSC&AH, SKUAST-J

Vety. Biochemistry



Department of Clinical Biochemistry University of Kashmir

Certificate

This is to certify that IQRA, student of M.Sc. Clinical Biochemistry (4th semester), University of Kashmir, has successfully completed her project work entitled "Deciphering Molecular Networks in Breast Cancer: A Multilayered Approach Integrating Protein Expression Profiling of wnt3a and NOTCH1, and Unveiling Transcriptomic Dynamics" in the Clinical Biochemistry Department university of Kashmir under the joint supervision of Dr. Showkat Ahmad Ganie, Assistant Professor, and Dr. Aashiq Hussain Bhat, Lecturer for a period of six months.

Dr. Showkat Ahmad Ganie

Assistant Professor
Department of Clinical Biochemistry
University of Kashmir
Srinagar-190006

Dr. Aashiq Hussain Bhat

Lecturer
Department of Clinical Biochemistry
University of Kashmir
Srinagar-190006

F.V. Sc & AH, SKAUST-K, SHUHAMA, ALUSTANG,
SRINAGAR



DIVISION OF VETERINARY MICROBIOLOGY & IMMUNOLOGY

Faculty of Veterinary Sciences and Animal Husbandry

Sheri-Kashmir University of Agricultural Sciences and technology-Kashmir,
Shuhama, Alustang, Srinagar.

Certificate

This is to certify that **Hudza**, student of **M.Sc. Clinical Biochemistry (4th semester)**, **University of Kashmir**, has successfully completed her project work entitled "**Antimicrobial resistance profile of *Campylobacter jejuni* isolates from sheep and poultry in Kashmir**" in the division of **Veterinary Microbiology & Immunology** under the guidance of **Dr. Sabia Qureshi**, Head and professor, Division of Veterinary Microbiology and Immunology for period of six months.

DR. SABIA QURESHI
Professor & Head
Vet. Microbiology & Immunology

Head & Professor
Division of Veterinary Microbiology and Immunology
Faculty of Veterinary Sciences and Animal
Husbandry, SKAUST-K, Shuhama Alustang Srinagar, 190006



Center of Research for Development

University of Kashmir, Srinagar

Dated.....

Ref. No.....

CERTIFICATE

This is certify that the dissertation work entitled "*Expression Analysis of VAMP2 and miRNA-21 in T2DM Patients*" submitted by **MEHRAJ UD DIN DAR** 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 '*Laboratory of Biochemistry and Molecular Biology*' CORD University Of Kashmir, Srinagar, Jammu and Kashmir-190006. 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.

Dr. Bashir Ah Ganai
Professor CORD
University Of Kashmir

F.V.Sc & AH, SKAUST-K, SHUHAMA, ALUSTANG,
SRINAGAR



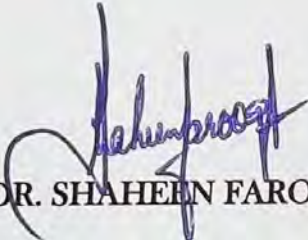
DIVISION OF VETERINARY MICROBIOLOGY & IMMUNOLOGY

Faculty of Veterinary Sciences and Animal Husbandry

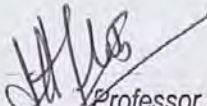
Sheri-Kashmir University of Agricultural Sciences and technology-Kashmir,
Shuhama, Alustang, Srinagar.

Certificate

This is to certify that **Uznain Tramboo**, student of **M.Sc. Clinical Biochemistry (4th semester)**, University of Kashmir, has successfully completed her project work entitled "**Molecular detection and strain typing of *Mycobacterium avium* subspecies *paratuberculosis* (MAP) from faeces of sheep and goats in district Ganderbal**" in the division of Veterinary Microbiology & Immunology under the guidance of **Dr. Shaheen Farooq**, Subject Matter Specialist (Animal Science) KVK Ganderbal, for a period of six months.


DR. SHAHEEN FAROOQ

Subject Matter Specialist
(Animal Science)
KVK-Ganderbal
Faculty of Veterinary Sciences and Animal
Husbandry, SKAUST-K, Shuhama Alustang
Srinagar, 190006


DR. SABIA QURESHI
Professor & Head
of Microbiology & Immunology,
SKAUST-Kashmir
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Division of Veterinary Microbiology and
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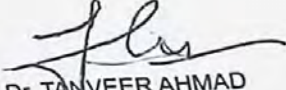
**MULTIDISCIPLINARY CENTRE FOR ADVANCED RESEARCH AND
STUDIES (MCARS)**

JAMIA MILLIA ISLAMIA

JAMIA NAGAR, OKHLA NEW DELHI (110025)

CERTIFICATE

This is to certify that the dissertation work entitled “*To Develop – Next generation Tandem (Bispecific) CAR-NK cells for Cancer Immunotherapy*”, is submitted by **Zahid Bashir Itoo** to the Department of Clinical Biochemistry, University of Kashmir in partial fulfilment of the requirement for the award of Master of Science (M.Sc.) in Clinical Biochemistry, is the record of an original work carried out by him under my guidance and supervision. To the best of my knowledge, this work has not been submitted in part or full for any Degree or Diploma to this University or elsewhere.


Dr. TANVEER AHMAD
Assistant Professor
Multidisciplinary Centre for
Advanced Research & Studies
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Dr. Tanveer Ahmad
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