

DECLARATION

We hereby certify that the project report entitled RESEARCH CONTRIBUTION AND PERFORMANCE BY INDIAN SCIENTISTS IN THE FIELD OF NANOTECHNOLOGY: A BIBLIOMETRIC ANALYSIS, which is being submitted in partial fulfillment of Master's degree in Library and Information Science is the result of work carried out by SAFAT MUSHTAQ MISGAR, SARTAJ AZIZ TEELI, AAMIR MAQBOOL BHAT under the guidance of Dr. Zahid Ashraf Wani, Sr. Assistant Professor, Department of Library and Information Science. We further declare that this project work has not been submitted anywhere else.

SAFAT MUSHTAQ MISGAR

AAMIR MAOBOOL BHAT



POST GRADUATE DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE UNIVERSITY OF KASHMIR

CERTIFICATE

This is to certify that the project report entitled "IMPACT OF MOTIVATING AND DEMOTIVATING BEHAVIOUR OF RESEARCH GUIDE ON RESEARCH SCHOLARS WHILE SEEKING INFORMATION" is a bonafide work conducted in department of Library and Information Science by **IRSHANA BASHIR, AJRA BHAT, ALFIYA QUADIR under Roll numbers: 16023118011, 16023118029, 16023118034 respectively**. The work is submitted in partial fulfilment of the requirement for the award of degree in **Masters of Library and Information Science**. It has been compiled in supervision and guidance and is authentic to the best of my knowled, and satisfaction, and no part of this report has been submitted for the award of other master degree/diploma (any other similar distinction.

Head of the department Dr. Shabir Ah. Ganie

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Supervisor

Dr. Zahid Ashraf Wani

Date:



POST GRADUATE DEPARTMENT OF LIBRAY AND INFORMATION SCIENCE

UNIVERSITY OF KASHMIR

Ref No:

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Dated: 25-11-10

CERTIFICATE

This is certify that the project report entitled "Information Seeking Behavior Of Artisans And Craftsmen In Kashmir" is the bona-fide work conducted in the Department of Library & Information Science by:-Mudasar Ashraf (Enrollment No.16023118023), Mohsin Rasool (Enrollment No.16023118017), Aamir Muzafar (Enrollment No.16023118039) Aadil Ahmadullah Wani (Enrollment No. 16023118044) under the supervision of Dr.(Prof.) Zahid Ashraf Wani .The work is submitted for the fulfillment of the requirement for the award of the Master's degree in Library And Information Science.

Head of Department Dr. (Prof). Shabir Annad Ganaie DLIS University of Kashmir

Supervisor Dr.(Prof.) Zahid Ashraf Wani DLIS University of Kashmir



POST GRADUATE DEPARTMENTOF LIBRARY AND INFORMATION SCIENCE UNIVERSITY OF KASHMIR

CERTIFICATE

This is certified that this project entitled "DISCUSSING RESEARCH ON SOCIAL MEDIA" is the bonafide work of "ShakirAfzal, IqraMaqsood, Saba Nazir, FirdousAhmadKirmani, Javaid Ahmad, OwaisRasoolBhat, BasharatMushtaq& Bilal Ahmad Kathoo" carried out exclusively in partial fulfilment of the requirement for the award of Masters in Library and Information Science.

Head of the Department Prof. Shabir Ahmad Ganaie

Supervisior Dr. SumeerGul

Sr. Asst. Professor



POST GRADUATE DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE UNIVERSITY OF KASHMIR

CERTIFICATE

This is to certify that the project report entitled "Artificial Intelligence: A Wonder Technology, it's Uses & Potential Applications in Libraries" is a bonafide work conducted in department of Library and Information Science by Zaffar Ahmad wani, Irfan Ahmad Mir, Ruquai Akhter, Tawheeda Bashir, under Roll numbers: 16023418027, 16023418017. 16023418011, 16023418006 respectively. The work is submitted for the fulfilment of the requirement for the award of degree in Masters of Library and Information Science. It has been compiled in my supervision and guidance and is authentic to the best of my knowledge and satisfaction, and no part of this report has been submitted for the award of other master degree / diploma / any other similar distinction.

Head of the dep Dr. Shabir Ah. Ganie

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Dr. Zahid Ashraf Wani

Date:

POST GRADUATE DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

University Of Kashmir

DATED:

CERTIFICATE

This is to certify that the project report entitled "Comparative study of the Curriculum adopted by Library and Information science Departments in India" is submitted in partial fulfillment of the requirement for the award of the degree in Master of Library and Information Science ; University Of Kashmir is the result of bonafide work carried out by Ruby Jan, Mohd Waseem, Ghulam Mohd & Mabiya Qurashi under my guidance and supervision and no part of this report has been submitted for the award of any other masters degree/diploma/fellowship or similar titles.

Head DLIS Dr. Shabir Anmad Ganaie University of Kashmir

(Supervisor) Dr. Shabir Ahmad Ganaie University of Kashmir

POST GRADUATE DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

University Of Kashmir

DATED:

CERTIFICATE

This is to certify that the project entitled "Bibliometric Analysis of Life sciences and Biomedicine Research" is a bonafide work of Ishfaq Ahmad Reshi, Shaziya Majeed, Tawheed Ahmad Khan, Aasif Ahmad Mir, Abrar Ahmad Sheikh, Salma Nissar, Sozia Rashid and Suheem Iqbal Shah carried under my guidance. Further it is certified that this work has not been submitted anywhere else for the award of any Degree, Diploma or any other similar distinction.

NIE DR.SHABIR AHN Associate Profe Head of the Department

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R.SUMEER GUL

Asst. Professor Supervisor



Post Graduate Department of Library and Information Science University of Kashmir

Dated: __

CERTIFICATE

This is to certify that the project report entitled "Awareness, Use and Satisfaction of Library Resources and Services among Users of Kashmir University" is submitted in partial fulfillment of the requirement for the award of the degree in Masters Degree in Library And Information Science ; is the result of the bonafide work carried out by Tauseef Altaf Khan, Roll No. 4, Shabnum, Roll No. 26, Ulfat Farooq, Roll No. 41 & Maryam, Roll No. 15 under my guidance and supervision and no part of this report has been submitted for the award of any other masters degree/diploma/fellowship or similar titles.

Dr. Shabir Ahwad Ganai Head of Department Library and Information Science

Dr. Shabir Ahrad Ganai Senior Associate Professor University of Kashmir



POST GRADUATE DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE UNIVERSITY OF KASHMIR

CERTIFICATE

This is to certify that the project report entitled "POPULARIRY OF SOCIAL NETWORKING SITES AMONG THE P.G.STUDENTS OF KASHMIR UNIVERSITY" is a bonafide work conducted in department of Library and Information Science by SHAZIA, TARIQ AH. KHAN, YASMEENA RAZAK, RASHID LATEEF SHAH, INSHA NABI under Roll numbers: 16023118001, 16023118018, 16023118024, 16023118030, 16023118045 respectively. The work is submitted for the fulfilment of the requirement for the award of degree in Masters of Library and Information Science. It has been compiled in my supervision and guidance and is authentic to the best of my knowledge and satisfaction, and no part of this report has been submitted for the award of other master degree / diploma / any other similar distinction.

Head of the department Dr. Shabir An. Ganie

isor Dr. Shabit Ah.Ganai

Date:

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LIBRARY AND INFORMATION SCIENCE, UNIVERSITY OF KASHMIR, HAZRATBAL SRINAGAR-190006

CERTIFICATE

This is certified that this project entitled, "Network Visualization and Context Analysis of The Retracted Article, 'Spontaneous Human Adult Stem Cell Transformation", is the bonafide work of "Kirat Nazir, Peer Irtiza, Waseem Farooq, Kushboo Rani" carried out exclusively in partial fulfillment of the requirement for the award of Master's in Library and Information Science

Dr Shabir Annad Ganaie Library and Information Science University of Kashmir

Superviso

Rosy Jan Sr. Asstt. Professor Library and Information Science University of Kashmir



DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE UNIVERSITY OF KASHMIR

Hazratbal, Srinagar, J&K, India NAAC Accredited Grade "A" Batch 2016-2018

Dated: 20 11/2018.

OERTIFICATE

This is to certify that the project entitled "Retrieval Efficiency of Web Search Engines with Particular Reference to Yahoo, Bing & Baidu" is a bonafide work of Samreen Nissar (16023118007), Shafiya Parvaiz (16023118012), Ifra Rahim (16023118035), and Humaira Mushtaq (16023118040) carried under my guidance. Further it is certified that this work has not been submitted anywhere else for the award of any Degree, Diploma or any other similar distinction.

DR. SHABIR AHNING GANAIE Head of Department

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DR. SHABIR AHMAD GANAIE Supervisor

University Of Kashmir Dated: _____

CERTIFICATE

This is to certify that the project report entitled "AN ASSESSMENT OF BEALL'S CRITERIA AND ITS COMPARISON WITH OTHER ESTABLISHED CRITERIA TOWARDS DEVELOPING CRITERIA FOR SELECTION OF QUALITY JOURNALS" conducted in "Department of Library And Information Science"is submitted in partial fulfillment of the requirement for the award of the degree in Master of Library and Information Science; University of Kashmir is the result of bonafide work carried out by Sabahat Munshi, Roll No.: 01; Sakina Shabir, Roll No.: 28; Mohammad Faisal Riyaz, Roll No.: 12; Insha Mehraj, Roll NO.: 07 under my guidance and supervision and no part of this report has submitted for the been award of other master's any degree/diploma/fellowship or similar titles.

Dr. Shabir Ahmad Ganaie

HOD DLIS University of Kashmir

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Rosy Jan Senior Assistant Professor (Supervisor) University of Kashmir

CERTIFICATE

This is to certify that the project report entitled "Citation analysis of Sage journals removed by UGC from the approved list" is a bonafide work conducted in the department of Library and Information Science by Imran Aziz (16023118004), Rayees Shafi (16023118010), Ishrat Ayub (16023118016), Faiqa Fayaz (16023118022), Tehseen Bashir (16023118028), Anjum Aslam (16023118033), Ishrata Gul (16023118038) and Sarja Qadir (16023118043). The work is submitted for the fulfilment of the requirement for the award of degree in Masters of Library and Information Science. It has been compiled in my supervision and guidance and is authentic to the best of my knowledge and satisfaction, and no part of this report has been submitted for the award of other master degree / diploma / any other similar distinction,

Head of the department Dr. Shabir Ah, Ganie

Supervisor

Rosy Jan

Date: 03/Dec/2018



Date:

CERTIFICATE

This is to certify that the project report entitled "Awareness about Plagiarism among students and scholars of University of Kashmir in the field of science and social science" is a bonafide work conducted in department of Library and Information Science by Tabasum Shafi (16023118009). The work is submitted for the fulfilment of the requirement for the award of degree in Masters of Library and Information Science. It has been compiled in my supervision and guidance and is authentic to the best of my knowledge and satisfaction, and no part of this report has been submitted for the award of other master degree / diploma / any other similar distinction.

Head of the depa

Dr. Shabir Ah. Ganaie

Supervisor im Akhtar Khan



DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE UNIVERSITY OF KASHMIR

Hazratbal, Srinagar, J&K, India NAAC Accredited Grade "A" Batch 2016-2018

Dated:

CERTIFICATE

This is to certify that the project entitled "Research Output of State Universities of North India" is a bonafide work of Nikhat Mohi-ud-din, Tasleema Sultan and Towseef Niyazi carried under my guidance. Further it is certified that this work has not been submitted anywhere else for the award of any Degree, Diploma or any other similar distinction.

Dr. Shabir Ahmad Ganaie Associate Professor

Supervisor Nadim Akhtar Khan Asst. Professor

द्वय तिकृति तिज्ञान संस्थान बतीय आयुर्विज्ञान अनुसंधान परिषद्) "श्रीरामाचारी भवन" सफदरजंग अस्पताल परिसर, ब. 4909, नई दिल्ली-110029 (भारत)



NATIONAL INSTITUTE OF PATHOLOGY

(Indian Council of Medical Research) "SRIRAMACHARI BHAWAN" Safdarjang Hospital Campus, Post Box No. 4909, New Delhi-110029 (India)

Certificate

This is to certify that M. Sc. dissertation entitled "Serological Proteome Analysis To Study Autoantibody Response In Gallbladder Carcinoma" has been carried out at National Institute of Pathology, New Delhi, by Zeeshan Hyderi, a student of M. Sc. Clinical Biochemistry, Department of Clinical Biochemistry, University of Kashmir, Srinagar (J and K), from January-May 2018 under our supervision for the partial fulfillment of the requirements of the M. Sc. degree. This research work embodies the original work done by Mr. Zeeshan Hyderi and has not been submitted in part for the award of any other degree.

Supervisor Dr. Poonam Gautam

Scientist C and In-charge, Central Proteomics facility

Amarchion

Co-Supervisor Mr. Javed Akhtar CSIR-JRF

Dated: 01.06.2018

त्राचा मुग्रे +91-11-26198402-6, 26716473-80 info@instpath.gov.in Visit us: www.instpath.gov.in Fax/फेक्स +91-11-26198401, 26160135 Tel.Fax/टेलीफेक्स +91-11-26170499

DEPARTEMENT OF IMMUNOLOGY AND MOLECULAR MEDICINE

SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES



CERTIFICATE

This is to certify that the study entitled " Glutathione-S-Transferase (M1 & T1) Gene Polymorphism and Risk of Chronic Myelogenous Leukemia in Kashmiri population" is a bonafide work of Ms. Tabasum and was conducted in the Cancer Research and Diagnostic Centre (CDRC), 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. Zaffar A Shah

Professor and Head, DR. ZAFAR AMIN SHAH Deptt of Immunology & Molecular Medicine unclogy & Mol (SKIMS) Deptt. Of SKIMS, Stragar

> Co- supervisor Dr. Shahid M Baba

Senior Resident Deptt of Immunology & Molecular Medicine

Dr. Shahid M.Baba Senior Resident (SR-3100) Dept. Of Immunology & Mol Medicine SKIMS, Soura, Sgr.

(SKIMS)



Department of Biochemistry Govt. Medical College Srinagar Karan-Nagar, Srinagar, Jammu & Kashmir, India-190010 (Research Centre of University of Kashmir) Tel: Off: 0194-2453114; 2453115; 2452013ext. 595 FAX: 0194-2453115, Mob: 9797873511; 9622220953, Email: zululubaba@gmail.com, sabumajid@yahoo.com, http://www.gmcs.edu.in

CERTIFICATE

This is to certify that the study entitled "To study serum electrolyte and lipid profile in patients with Hypothyroidism in Kashmir valley, India" is an original and independent work of Ms. Saleema Jabeen, 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 my guidance and supervision in the Department of Biochemistry Government Medical College (GMC) Srinagar-Kashmir. The work undertaken by her has not been previously submitted for award of any degree, diploma, fellowship or other similar distinction from this institution.

Prof. (Dr.) Sabhiya Majid (Supervisor) Professor & Head Department of Biochemistry Govt. Medical college Srinagar



BIOCHEMISTRY AND MOLECULAR BIOTECHNOLOGY LABORATORY, DIVISION OF BASIC SCIENCES AND HUMANITIES, SHERI KASHMIR UNIVERSITY OF AGRICULTURAL SCIENCES AND TECHNOLOGY, SHALIMAR SRINAGAR, KASHMIR-190025

CERTIFICATE

This is to certify that the dissertation report entitled "A PRELIMINARY IN-VITRO AND IN-VIVO INVESTIGATION ON ANTI-HYPERGLYCEMIC POTENTIAL OF AQUEOUS EXTRACT OF AMARANTHUS CAUDATUS" embodies the original research work carried out by SHAHIDA SHOWKAT (bearing university Roll no. 16057119025, a student of Master's degree in Clinical Biochemistry, University of Kashmir, Srinagar, under my supervision in Biochemistry and Molecular Biotechnology Laboratory, Division of Basic Sciences and Humanities, SKUAST-K Shalimar-190025. For the partial fulfillment of the requirement for the award of Master's degree in Clinical Biochemistry at University of Kashmir, Srinagar, she has worked for her internship (Dissertation work) under my supervision. The work undertaken by her is original and the results presented in this report, in whole have not been submitted elsewhere for any academic degree. #**

> DR. IMTHYAZ MURTAZA Associate Professor cum Senior Scientist SKUAST-K Shalimar-190025

Department of Advanced Center for Human Genetics Sher-i-Kashmir institute of medical sciences, Sgr.



CERTIFICATE

Certified that the work in the dissertation entitled "GENE POLYMORPHISM OF IL-6 NON ALCOHOLIC ITS ASSOCIATION WITH FATTY LIVER IN KASHMIRI POPULATION" is fide work of Ms. Shaista Showkat and has been carried out under my guidance and pervision in the Department of Advanced Center for Human Genetics SKIMS Soura

The solution of Kashmir for the award of any degree or diploma, to the best of my belief.

Dr. Mahrukh Hameed Zargar

Supervisor)

Content of Genetics Center

Soura SKIMS Srinagar.



DEPARTMENT OF IMMUNOLOGY & MOLECULAR MEDICINE S K INSTITUTE OF MEDICAL SCIENCES, SRINAGAR

Certificate

This is to certify that the study entitled "Glutathione-S-transferase (M1&T1) and Gallbladder cancer risk in Kashmiri population" is a bonafide work of Ms. Aneesa Showkat and was conducted in the Cancer Diagnostic and Research Centre (CDRC), 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.

It is further certified that no work under this heading has previously submitted to the University of Kashmir for the award of any degree or diploma, to the best of my belief.

Supervisor Dr. Zafar Amin Shah Dr. Zafar Amin Shah Mol. Med Kims, Srinagar Prof. & Head Dept. of Immunology & Molecular Medicine SKIMS, Srinagar Co-Supervisor Dr. Manzoor Ahmad Malik tester Asst. Professor as 5000 Dept. of Immunology & Molecular Medicine (CDRC) SKIMS, Srinagar

DEPARTMENT OF IMMUNOLOGY AND MOLECULAR MEDICINE

SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES

Soura, Srinagar-190011, Kashmir



This is to certify that the work in the dissertation entitled "Elucidating the Role of Chemokine Genetic Variants in Susceptibility to Tuberculosis among Individuals of Kashmiri Population " is a bonafide work of Ms Aamina Hamid and was conducted in the Department of Immunology and Molecular Medicine, Sher-i-Kashmir Institute of Medical Sciences, Soura, Srinagar, under the supervision of Dr. Dil Afroze, Professor Department of Immunology and Mol. Medicine. This work has not been previously submitted for award of any degree, diploma, fellowship, associate-ship or other similar distinction.

Supervisor Dr. Dil Afroze Professor

Department of Immunology and Molecular Medicine Sher-I-Kashmir Institute of Medical Sciences Soura, Srinagar-190011, Kashmir.

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Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir Division of Veterinary Microbiology & Immunology Shuhama Campus, Srinagar-190006



Certificate

This is to certify that ASMA, student of Department of Clinical Biochemistry, University of Kashmir, Srinagar has carried out her dissertation project entitled "Detection, virulence gene profile and antibiotic sensitivity of Avian Pathogenic Escherichia coli isolates from broiler chickens' 'under my guidance and supervision for the partial fulfillment of the degree of Master's in Clinical Biochemistry.

Dr.Farha (Head)

Dr.Sabia Qureshi (Associate professor)



Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir Division of Veterinary Microbiology & Immunology Shuhama Campus, Srinagar-190006 Certificate

This is to certify that the student namely INSHA UL SUMER, student of Department of Cinical Biochemistry, University of Kashmir has carried out her dissertation work with the the the transformation of the start of

DITIMMUNSLES

Headliss & A. H (SKUAST)

Dr. SABIA QURESHI (Associate professor)

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



Certificate

This is to certify that the work in the dissertation entitled "APO-A1 POLYMORPHIC GENE VARIATION AND ITS ASSOCIATION WITH ACUTE CORONARY SYNDROME (ACS) IN KASHMIRI POPULATION" is a bonafide work of Ms. Iqra Niyaz and has been carried out under my guidance and supervision in the Department of Advanced Center for Human Genetics, Sher-I-Kashmir Institute of Medical Science, Soura, Srinagar.

It is further certified that no work under this heading has previously been submitted to the University of Kashmir for the award of any degree, diploma, fellowship or any other similar distinction to the best of my belief.

Dr. Arshad Ahmad Pandith Supervisor Advanced Center for Human Genetics Sher-I-Kashmir Institute of Medical Science Soura, Srinagar



BIOCHEMISTRY AND MOLECULAR BIOTECHNOLOGY LABORATORY, DIVISION OF BASIC SCIENCES AND HUMANITIES, SHERI KASHMIR UNIVERSITY OF AGRICULTURAL SCIENCES AND TECHNOLOGY, SHALIMAR SRINAGAR, KASHMIR-190025

CERTIFICATE

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This is to certify that the dissertation report entitled "PHYTOCHEMICAL ANALYSIS AND ANTI MICROBIAL ACTIVITY OF THYMUS SERPHYLLUM AGAINST PATHOGENIC BACTERIA AND FUNGUS" embodies the original research work carried out by ARBEENA SADIQ (bearing university Roll no. 16057119004, a student of Master's degree in Clinical Biochemistry, University of Kashmir, Srinagar, under my supervision in Biochemistry and Molecular Biotechnology Laboratory, Division of Basic Sciences and Humanities, SKUAST-K Shalimar-190025. For the partial fulfillment of the requirement for the award of Master's degree in Clinical Biochemistry at University of Kashmir, Srinagar she has worked for her internship (Dissertation work) under my supervision. The work undertaken by her is original and the results presented in this report, in whole have not been submitted elsewhere for any academic degree.

> DR. IMTIYAZ MURTAZA Associate Professor cum Senior Scientist SKUAST-K Shalimar-190025

विकृति विज्ञान संस्थान आयुर्विज्ञान अनुसंधान परिषद्) "श्रीयमाचारी भवन" सफदण्जग अस्पताल परिसर, दर्भ्यायना नई दिल्ली-110029 (भारत)



NATIONAL INSTITUTE OF PATHOLOGY

(Indian Council of Medical Research) "SRIRAMACHARI BHAWAN" Safdarjang Hospital Campus, Post Box No. 4909, New Delhi-110029 (India)

CERTIFICATE

This is to certify that the dissertation report entitled "Characterization of colistin resistant Klebsiella isolates for antibiotics susceptibility and genetic variation in phoQ gene" comprises of research work carried out by Mr. Wajid Mohammad Sheikh bearing Roll No 16057119033, a student of Master's degree in Clinical Biochemistry at University of Kashmir, Srinagar, under my supervision at ICMR-National Institute of Pathology, Safdarjung hospital campus, Ansari Nagar, New Delhi-29, India. He has worked in my lab during February 2018 to May 2018 towards the partial fulfilment of Master's Degree in Clinical Biochemistry at University of Kashmir, Srinagar, India. This work is original and has not been done earlier by anyone else. The results presented in this report in whole have not been submitted elsewhere for any academic degree.

(Dr. Ruchi Singh)

त्रा सिर्वान Singhy हार रुचि सिंह / Dr. RUCHI SINGH वैज्ञानिक-ई / Scientist-E द्राव विकृति विज्ञान संस्थान (आई.सी.एम.आर.) National Institute of Pathology (ICMR) बीराम्राझरी पावन / Sriramachari Bhawan सरमदरजंग अस्पताल परिसर Safdarjung Hospital Campus नई दिल्ली-110 029 / New Delhi-110 029

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Fax/फैक्स +91-11-26198401, 26160135 Tel.Fax/टेलीफैक्स +91-11-26170499



सी एस आई आर-भारतीय समवेत औषध संस्थान (वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्) केनाल रोड़, जम्मू - 180001 CSIR-Indian Institute of Integrative Medicine (Council of Scientific & Industrial Research)

Canal Road, Jammu - Tawi - 180001 (INDIA)

SIR - IIIM

June 04, 2018

Er. Abdul Rahim Principal Scientist & Head PME Division

TO WHOM IT MAY CONCERN

This is to certify that **Ms. Sumeet Kaur** from **Kashmir University, Srinagar** has successfully completed her training work on **"Cancer Cell Culture"** in this institute from 10-01-2018 to 04-06-2018.

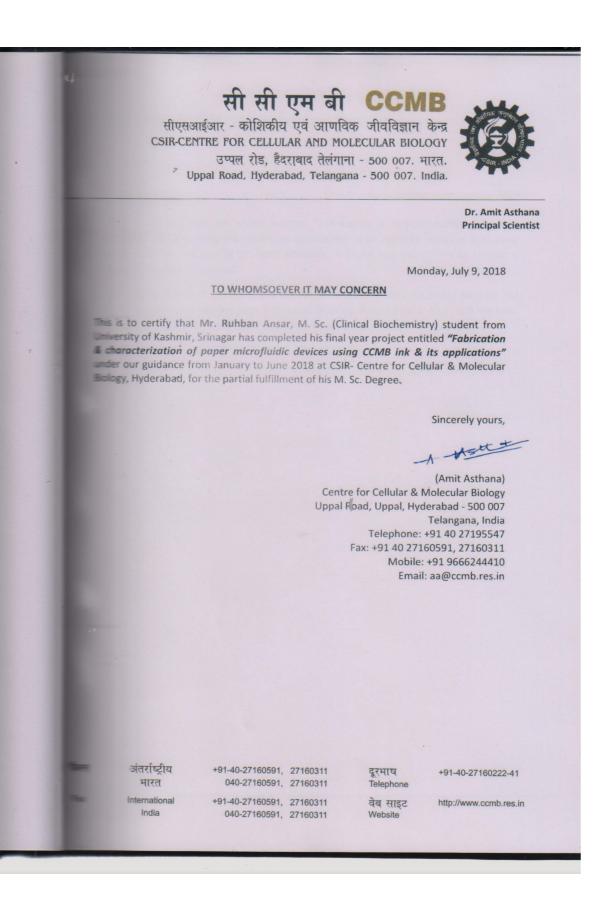
She is honest, sincere and a hard worker. I wish her all the success in her life.

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(Dr. Shashank K. Singh) Sr. Scientist Cancer Pharmacology Division CSIR-IIIM, Jammu

(Abdul Rahim)

Phones : EPABX : 0191-2585006-13, Director : 2585222, 2584999, Fax : 2586333 2585025, 2585026 (Fax), FAO : 2585035, SPO : 2585032, PME : 2585019, 2585018 (Fax) Website : www.iiim.res.in



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

SOURA, SRINAGAR, JAMMU AND KASHMIR-190011



CERTIFICATE

This is to certify that the dissertation entitled "Elucidation and Impact of IL-4 Intron 3 VNTR 70bp Repeat in Allergic Rhinitis among Kashmiri Population-A Hospital based study"at SKIMS, Soura, comprises research work carried out by *GULZAR AHMAD WANI* student of University of Kashmir bearing Enrolment No. 16057119008, and submitted to the University of Kashmir, for the degree Masters of Science is based on the results of experiments and investigations carried by him under my supervision and guidance at Sher-I-Kashmir Institute of Medical Sciences, 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 proversity.

Syed Mudassar and Head

DEPARTMENT OF CLINICAL BIOCHEMISTRY SKIMS,

SOURA, J&K



CERTIFICATE

This is to certify that the dissertation titled "Association of Interleukin-4 receptor alpha (IL-4Ra) gene polymorphism (Q576R) with Atopy patients of Kushmiri Population- A hospital based study" submitted by Suhail Ashraf Bhat, the University of Kashmir, for the degree Masters of Science is based on the results of experiments and investigations carried out by him under my supervision and guidance at Sher-I-Kashmir Institute of Medical Sciences, Srinagar.

This is also to clarify that the above said work has not been previously admitted for an award of any degree, diploma or fellowship in any Indian or foreign university.

Supervisor Dr. Syed Mudassar **Professor and Head**



Department of Clinical Biochemistry Sher-I-Kashmir Institute of Medical Sciences, Soura, Srinagar.

CERTIFICATE

This is to certify that the thesis entitled "Evaluation of 2518 G>A Single Nucleotide Polymorphism of Monocyte Chemoattractant Protein-1 (MCP-1) Gene in Kashmiri Polycystic Ovary Syndrome (PCOS) Women" is a bonafide work of Miss Saima Ibrahim and has been carried out in the Department of Clinical Biochemistry, Sher-I-Kashmir Institute of Medical Sciences, Srinagar, Kashmir under my direct guidance and supervision.

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

Prof. (Ms.) Syed Mudassar Professor & Chair (Supervisor)

DEPARTEMENT OF IMMUNOLOGY AND MOLECULAR MEDICINE

SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES



CERTIFICATE

This is to certify that the study entitled "Methylenetetrahydrofolate Reductase Gene rephism (C677T & A1298C) and risk of Chronic Myelogenous Leukemia In Population " is a bonafide work of Ms. khushboo and was conducted in the Cancer and Diagnostic Centre (CDRC) Department of Immunology and Molecular Methods Sher-i-Kashmir institute of medical science, Soura Srinagar, under the supervision satisfaction. This work has not been previously submitted for reward of any degree, fellowship or any other similar distinction.

> Supervisor Dr. Zaffar A Shah 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 Clinical Biochemistry Sher-I-Kashmir Institute of Medical Sciences,

Soura, Srinagar.

CERTIFICATE

This is to certify that the thesis entitled "Screening of -675 4G/5G Insertion/Deletion Polymorphism in the Promoter Region of the Plasminogen Activator Inhibitor-1 (PAI-1) gene in Kashmiri Polycystic Ovary Syndrome (PCOS) Women" is a bonafide work of Miss Humaira Shafi and has been carried out in the Department of Clinical Biochemistry, Sher-I-Kashmir Institute of Medical Sciences, Srinagar, Kashmir under my direct guidance and supervision.

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

Prof. (Ms.) Syed Mudassar Professor & Chair (Supervisor)



DEPARTMENT OF BIOCHEMISTRY ALL INDIA INSTITUTE OF MEDICAL SCIENCE NEW DELHI-110029

Dr. Pramod Kumar Gautam MS.c., PhD. Assistant Professor Tel: 91+ 011-26594483(O), 26546514 (Lab), +91-9838442087 (M) E-mail: pramodgautam_13@yahoo.com; gautam@aiims.edu

Date. 0 35 18

CERTIFICATE

This is to certify that Mr. Mubashir Hamid, bearing Roll No. 16057119017, student of M.Sc. in Clinical Biochemistry, at Department of Clinical Biochemistry, University of Kashimir, Srinagar has successfully completed his six month dissertation work on "Silver Nano-Particles (AgNPs) Modulates The Function of Macrophage Phenotype and Regress The Cancer Progression" w.e.f. 01-01-2018 to 30-06-2018 in the lab of undersigned, Department of Biochemistry, AIIMS, New Delhi. He is sincere, hardworking and well behaved student.

I wish him success in the life.

Dr. Pramod Kumar Gauram (Supervisor)



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

Dr. RAKHEE YADAV MBBS; MD (Biochemistry) Assistant Professor Mob: 8826640014 Email: y.rakhee@yahoo.com

CERTIFICATE

This is to certify that the dissertation report entitled "Study of expression of PERK and ATF6 genes in adipose tissue" comprises of research work carried out by Mr. Ishfaq Ahmad Padder bearing Roll No 16057119013, a student of Masters degree in Clinical Biochemistry at University of Kashmir, Srinagar, under my supervision at Department of Biochemistry, All India Institute of Medical Sciences, Ansari Nagar, New Delhi-29, India. He has worked in my lab during January 2018 to June 2018 towards the partial fulfilment of Masters Degree in Clinical Biochemistry at University of Kashmir, Srinagar, India. This work is original and has not been done earlier by anyone else. The results presented in this report in whole have not been submitted elsewhere for any academic degree.

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Dr Rakhee Yadav (Supervisor)

UNIVERSITY O F KASHMIR

DEPARTMENT OF BIOTECHNOLOGY

Hazratbal, Srinagar

190006



TO WHOM IT MAY CONCERN

This is to certify that *Safiya Mehraj*, M.Sc. Clinical Biochemistry (4th\ semester) of university of kashmir, has succesfully completed her project work entitled *as* "*Understanding the dynamic role of SPT6 protein in Chromatin Organization*" in Department of Biotechnology under the guidance of Dr.Ajaz Ul H.Wani, Faculty, department of Biotechnology for a period of 6 months.

Mos

Dr. Ajaz UL H. Wani Principal Investigator

Dept. Biotechnology

Imfazil.

Dr. Khalid Majid Fazili

Professor Head Dept. of Biotechnology University of Kashmir

सीसीएमबी

निदेशक

डॉ. राकेश कुमार मिश्र

कोशिकीय एवं आणविक जीवविज्ञान केन्द्र (वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद) उप्पल रोड, हैदराबाद 500 007, भारत



CENTRE FOR CELLULAR AND MOLECULAR BIOLOGY (Council of Scientific & Industrial Research) Uppal Road, Hyderabad - 500 007, India

Dr. Rakesh K. Mishra Director

CERTIFICATE

This is to certify that Sadaf Saleem, student of Department of Clinical Biochemistry, University of Kashmir, Srinagar has carried out her Dissertation project entitled "Characterization of Choline transporter in locomotory and sensory behavior of *Drosophila* larvae" under my supervision from January 8, 2018 to June 23, 2018 for the partial fulfillment of the degree of Masters in Science. The work submitted is original to the best of my knowledge.

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[Rakesh K. Mishra]

Date: 23.06.2018 Place: Hyderabad

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सी सी एम बी CCM

कोशिकीय एवं आणविक जीव विज्ञान केन्द्र CENTRE FOR CELLULAR AND MOLECULAR BIOLOGY उप्पल रोड़, हैदराबाद - 500 007, भारत Uppal Road, Hyderabad - 500 007, India



CERTIFICATE

This is to certify that NUSRAT NAZIR, student of Department of Clinical BioChemistry, University of Kashmir, Srinagar has carried out her Dissertation project title "<u>Localization of META1 protein in *Leishmania donovani*" under my supervision from January 8, 2018 to June 23, 2018 for the partial fulfillment of the degree of Masters in Science. The work submitted is original to the best of my knowledge.</u>

Date: 23^{ad} June 2018 Place: Hyderabad

and

Dr. Tushar Vaidya Senior Principal Scientist CSIR-CCMB, Hyderabad

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CERTIFICATE

This is to certify that the research work presented in this report "Deciphering the interaction between Neuronal Ca²⁺ Sensor Proteins (NCS-1 and NCALD) and Insulin" has been carried out by Nelofar Shareef, student of Clinical Biochemistry, from January to June 2018 under my supervision and this is her bona fide work. The research work is original and has not been submitted for any other degree of this or any other University. Further, she has been a regular, enthusiastic student and worked under my guidance as a full-time student at the CSIR-Centre for Cellular and Molecular Biology until the submission of the dissertation to the University of Kashmir.

Sharp

Dr. Yogendra Sharma, PhD Chief Scientist and Group Leader

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BIOCHEMISTRY AND MOLECULAR BIOTECHNOLOGY LABORATORY DIVISION OF BASIC SCIENCES AND HUMANITIES SHERI KASHMIR UNIVERSITY OF AGRICULTURAL SCIENCES AND TECHNOLOGY, SHALIMAR SRINAGAR, KASHMIR-190025

CERTIFICATE

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This is to certify that the dissertation report entitled "A PRELIMINARY BIOCHEMICAL INVESTIGATION ON PHYTOCHEMICAL COMPOSITION AND ANTI-CANCEROUS POTENTIAL OF ASPLENIUM CETERACH" embodies the original research work carried out by AURNEEB FATIMAH bearing university Roll no. 16057119007, a student of Master's degree in Clinical Biochemistry, University of Kashmir, Srinagar, under my supervision in Biochemistry and Molecular Biotechnology Laboratory, Division of Basic Sciences and Humanities, SKUAST-K Shalimar-190025. For the partial fulfillment of the requirement for the award of Master's degree in Clinical Biochemistry at University of Kashmir, Srinagar she has worked for her internship (Dissertation work) under my supervision. The work undertaken by her is original and the results presented in this report, in whole have not been submitted elsewhere for any academic degree.

DR. IMTIYAZ MURTAZA Associate Professor cum Senior Scientist SKUAST-K Shalimar-190025

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सी सी एम बी ССМВ

सीएसआईआर-कोशिकीय एवं आणविक जीव विज्ञान केन्द्र CSIR-CENTRE FOR CELLULAR AND MOLECULAR BIOLOGY उप्पल, रोड, हैदराबाद तेलंगाणा - 500 007. भारत Uppal Road, Hyderabad, Telangana - 500 007. India.



CERTIFICATE FROM THE SUPERVISOR

This is to certify that Ms. Arjumand Zahoor, Reg. No. 63925-W-2013, student of Clinical Biochemistry, University of Kashmir, Srinagar, has carried out the dissertation project entitled "**Understanding the Impact of Ketamine on Neuronal and Astroglial Metabolic Activity**" under my supervision from 8th January 2018 to 23rd June 2018 for the partial fulfilment of the degree of Master's in Science. The work submitted is original to the best of my knowledge.

Date: 23rd June 2018 Place: Hyderabad

an Dr. Anant B Patel

Group Leader and Principal Scientist NMR Microimaging and Spectroscopy Centre for Cellular and Molecular Biology Habsiguda, Hyderabad, India.

अनन्त बहादुर पटेल, प्रिंतिपल वैशानिक Anant Bahadur Patel, Principal Scientist सीएसआइआर-कोसिबीय एवं आपाविक जीवविज्ञान केन्द्र SIR-Centre for Cellular and Molecular Biology Uppal Road. Hyderabad - 500 007, INDIA

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Fax	International India	+91-40-27160591, 040-27160591.	वेब साइट Website	http://www.ccmb.res.in

EVALUATION OF DIFFERENT ENDOPLASMIC RETICULUM STRESS KINASES (PERK, ATF4) & ER CHAPERONS (BIP/GRP78) IN MYELOPROLIFERATIVE DISORDERS.

Dissertation

Submitted in the partial Fulfillment of the requirements for the award

Of the Degree of

Master of Science

In Clinical Biochemistry

BY TANZEELA

Under the guidance of Dr. Dil Afroze

Professor

Department of Immunology and Molecular Medicine SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES

SOURA, SRINAGAR -190011



DEPARTMENT OF CLINICAL BIOCHEMISTRY UNIVERSITY OF KASHMIR SRINAGAR, 190006

Accredited by NAAC Grade A (UGC) Srinagar (J&K),190006 2016-2018

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

SOURA, SRINAGAR, JAMMU AND KASHMIR-190011



CERTIFICATE

This is to certify that the dissertation entitled "Elucidation of Interleukin 4 & Interleukin 13 levels and their correlation with Asthma patients among Kashmiri Population - A Case Control Study" at SKIMS, Soura, comprises research work carried out by *Mehraj U Din Sheikh* student of University of Kashmir bearing Enrolment No. 1605711 ?, and submitted to the University of Kashmir, for the degree Masters of Science is based on the results of experiments and investigations carried out by him under my supervision and guidance at Sher-I-Kashmir Institute of Medical Sciences, 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.

Supervisor Dr. Syed Mudassar **Professor and Head**

DEPARTMENT OF CLINICAL BIOCHEMISTRY SKIMS,

SOURA, J&K



CERTIFICATE

This is to certify that the dissertation titled "Association of Interleukin-4 receptor alpha (IL-4Rα) gene variant (A148G) with Asthma patients of Kashmiri Population -A hospital based study" submitted by JunaidNazir, to the University of Kashmir, for the degree Masters of Science is based on the results of experiments and investigations carried out by him under my supervision and guidance at Sher-I-Kashmir Institute of Medical Sciences, 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.

Supervisor Dr. Syed Mudassar **Professor and Head**

Sher-i-Kashmir Institute of Medical Science Soura, Srinagar, Kashmir.



Certificate

Certified that the work in the dissertation entitled "Foxp3 Polymorphic Gene Variation and its Association with Pregnancy Losses by Recurrent Miscarriage in Kashmiri Population" is bona fide work of Ms. Amreena Hameed and has been carried out under my guidance and supervision in the Department of Advanced Center for Human Genetics SKIMS, Soura, Srinagar.

It is further certified that no work under this heading has previously submitted to the University of Kashmir for the award of any degree or diploma, to the best of my belief.

Dr. Arshad Ahmad Pandith Supervisor Advanced Center for Human Genetics Srinagar-190011 Department of Advanced Center for Human Genetics Sher-i-kashmir institute of medical sciences Soura, Srinagar(190011)



CERTIFICATE

This is to Certify that the study entitled "Gene polymorphism of CaSR and its association with pancreatitis in kashmiri population" is bonafide work of Ms. Henna kounser and has been carried out under my guidance and supervision in the Department of Advanced Center for Human Genetics SKIMS Soura Srinagar. It is further certified that no work under this heading has previously submitted to the University of Kashmir for the award of any degree or diploma, to the best of my belief.

Dr. Mahrukh Hamid

Associate professor and Supervisor Advanced Centre for Human genetics SKIMS, Soura Srinagar.

DEPARTMENT OF IMMUNOLOGY AND MOLECULAR MEDICINE Sher-I-Kashmir Institute of Medical Sciences Soura, Srinagar-190011, Kashmir



This is to certify that the work in the dissertation entitled "Evaluation of different Encoplasmic reticulum Stress kinases (PERK,ATF4) & ER Chaperons EIP GRP78) in Myeloproliferative disorders" was conducted in the Department of Interneology and Molecular Medicine, Sher-i-Kashmir Institute of Medical Sciences, Soura, Srinagar, under the supervision of Dr. Dil Afroze, Professor Department of Immunology and Mol. Medicine. This work has not been reviously submitted for award of any degree, diploma, fellowship, associate-ship in other similar distinction and will not be published in full or part.

upervisor Dr. Dil Afroze Professor

Department of Immunology & Molecular Medicine

Sher-I-Kashmir Institute of Medical Sciences

Soura, Srinagar-190011



IISc, Bangalore

CERTIFICATE

This is to certify that the dissertation titled **Expression**, **purification and biophysical characterisation of Conotoxin Ar1430 using cytb5 as a fusion host** submitted by Sunia Faiz Shah, 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 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.

Signature of the Principle Investigator

Prof. Siddhartha P. Sarma