Placement Brochure
Department of Clinical Biochemistry

Navigating Futures: A Journey into Clinical Biochemistry
Unveiling the Path to Professional Success
Department of Clinical Biochemistry

About Your Department

Head's Desk-MESSAGE

As Head of the Department of Clinical Biochemistry, it is my pleasure to welcome you to our dynamic academic community dedicated towards excellence in education and research. Here, we strive to cultivate a nurturing environment where students can explore their passion for Clinical biochemistry and develop the skills necessary to excel in the ever-evolving field of biomedical science and healthcare.

Our department boasts a team of distinguished faculty members who are committed to providing top-notch education and mentorship, ensuring that our students receive the best possible training. With state-of-the-art facilities and cutting-edge research initiatives, we offer an immersive learning experience that prepares students for successful careers in various sectors of the healthcare industry.

I invite you to embark on this journey with us, where you will not only gain valuable knowledge and expertise but also contribute to groundbreaking discoveries that have the potential to revolutionize the field of clinical biochemistry.

Brief overview of the department

The Department of Clinical Biochemistry at the University of Kashmir is dedicated to advancing knowledge in the field of Clinical Biochemistry with a focus on clinical applications. Through innovative research, rigorous academic programs, and collaborative initiatives, we strive to address key challenges in healthcare and contribute to the development of novel diagnostic and therapeutic solutions. Our multidisciplinary approach fosters excellence in education, research, and professional practice, preparing students for impactful careers in academics, healthcare and biomedical sciences.

Vision and Mission Statement

Vision Statement: To be a premier center of excellence in clinical biochemistry education and research, shaping the next generation of healthcare professionals and driving innovation in biomedical science.

Mission Statement: Our mission is to provide rigorous academic training, hands-on laboratory experience, and cutting-edge research opportunities to our students, fostering their development as skilled professionals and contributing to advancements in healthcare through interdisciplinary collaboration and scientific inquiry.

Introduction

Our Achievements:

So far, the department has produced an outstanding list of students who have excelled in various national-level tests over the years. These include CSIR-NET/JRF, SET, ICMR-JRF, GATE, and other prestigious exams. The students have consistently demonstrated their academic prowess and dedication, earning qualifications such as CSIR-NET/JRF, SET, GATE, and ICMR-JRF across different years. This remarkable track record highlights the department's commitment to academic excellence and the success of its students in national-level competitions.

The department has an impressive track record of students who have pursued or are currently pursuing Ph.D. programs at various prestigious national-level institutes such as AIIMS, IISc Bengaluru, CDFD/CCMB Hyderabad, JNU, IIT Kanpur etc. These students have demonstrated their academic excellence and dedication by pursuing research in diverse fields such as biotechnology, biochemistry, biophysics, and medical oncology. These achievements underscore the department's commitment to nurturing research talent and contributing to advancements in scientific knowledge and innovation.

A good number of our students are pursuing or have completed their doctorate at esteemed international institutes, showcasing their academic excellence on a global scale. Among others, some of the institutes include University of Massachusetts Medical School, Oxford University, Freie University Berlin, and Hanover Medical School, among others. This remarkable achievement highlights the department's commitment to fostering global research collaborations and providing students with opportunities for international academic growth and exposure.

With respect to the social responsibilities, the department has been routinely hosting several Medical Camps focusing on diagnostic screening and awareness of non-communicable diseases such as Metabolic Syndrome, aimed at early detection and intervention. In general, attendees undergo screening for blood pressure, blood sugar, cholesterol, almost all the baseline tests and waist circumference and promotion of proactive health management. These initiatives showcase the department's dedication to community health and preventive care empowering individuals with knowledge and resources to mitigate health risks and improve overall well-being.

Alumni

- Dr. Iram Shabir, with a PhD from AIIMS, transitioned from registrar at Government Medical College Srinagar to clinical trials manager at McFarland Clinic, Iowa. Her journey reflects resilience and dedication, showcasing her leadership and clinical expertise. At McFarland, she spearheads cutting-edge research, contributing significantly to advancements in patient care.

- Dr. Muneeb A Faiq's transition from AIIMS, New Delhi, to a prestigious postdoc position at New York University School of Medicine showcases the caliber of scholars produced by our department. His success underscores our commitment to fostering cutting-edge research and academic growth.

- Dr. Aijaz Rashid's journey from IIT Bombay to a postdoctoral fellowship at the National Institutes of Health, Bethesda, Maryland, USA, followed by an Assistant Professorship in the Department of Higher Education, exemplifies the global reach and impact of our alumni network. His success underscores our commitment to nurturing versatile scholars capable of excelling in diverse fields.

- Dr. Tehseena Akhter's elevation from a PhD graduate to an Assistant Professor at the Government

Medical College, Jammu, highlights the impactful contributions our alumni make in advancing healthcare education and research. Her achievements reflect the strong foundation and rigorous training provided by our department.

- Dr. Rizwana Qadri, with her PhD from AIIMS, New Delhi, and research assistantship in New York, epitomizes our department's commitment to academic excellence and global engagement. Her journey from AIIMS to New York underscores the quality of education and research opportunities we offer.

These success stories of our alumni demonstrate the department's dedication to fostering a culture of excellence, innovation, and global leadership in healthcare education and research. As they continue to make significant contributions to their respective fields, they serve as inspirations for current and future students, showcasing the transformative power of education and research in clinical biochemistry.

Why Recruit Us?

Department of Clinical Biochemistry offers an unparalleled opportunity to access a pool of highly skilled and motivated individuals equipped with cutting-edge knowledge and practical expertise. Our students are trained to excel in a dynamic and challenging healthcare landscape, possessing a unique blend of theoretical understanding and hands-on experience in clinical biochemistry.

Through rigorous academic programs and immersive research experiences, our students develop a comprehensive skill set that encompasses laboratory techniques, data analysis, critical thinking, and problem-solving. They are adept at conducting complex biochemical analyses, interpreting results, and applying findings to real-world clinical scenarios.

Our department's strong emphasis on interdisciplinary collaboration ensures that students gain exposure to diverse perspectives and approaches, fostering creativity and innovation. Additionally, our faculty members are actively engaged in innovative research across various fields of biochemistry, providing students with invaluable opportunities to contribute to cutting-edge discoveries and advancements.
Furthermore, our students demonstrate exceptional communication and teamwork skills, honed through collaborative projects, presentations, and professional interactions. They exhibit a strong work ethic, resilience, and adaptability, traits essential for thriving in dynamic healthcare environments.

By recruiting from our department, employers can gain access to a talent pool characterized by academic excellence, technical proficiency, and a passion for making meaningful contributions to healthcare and biomedical sciences. Our students are primed to excel in diverse roles across academia, research institutions, clinical laboratories, pharmaceutical companies, and healthcare organizations, making them valuable assets to any team or organization.

Scope :

The Department of Clinical Biochemistry offers a wide scope of opportunities spanning the healthcare sector, research institutions, and various organizational settings. Graduates from our program are well-equipped to pursue careers in clinical laboratories, hospitals, diagnostic centers, and healthcare facilities, where they play pivotal roles in disease diagnosis, treatment monitoring, and patient care.
Moreover, our students are poised to make significant contributions to biomedical research, exploring novel therapies, diagnostic tools, and interventions to address pressing healthcare challenges. With a strong foundation in biochemical principles and laboratory techniques, they are prepared to engage in

cutting-edge research across diverse areas such as molecular biology, genetics, biochemistry, and in medicine.

Beyond the healthcare and research sectors, our graduates are also highly sought after in organizational settings, including pharmaceutical companies, biotechnology firms, regulatory agencies, and academic institutions. Their analytical skills, scientific knowledge, and interdisciplinary perspectives make them valuable assets in roles involving quality control, drug development, regulatory compliance, and academic teaching.

The scope of opportunities for our students extends globally, with many pursuing advanced education or employment opportunities abroad. Additionally, the versatility of their skill set enables them to adapt to evolving industry trends, emerging technologies, and interdisciplinary collaborations, positioning them for long-term success and leadership in their chosen fields.

Broad Curriculum:

Degree Title	Specialization Areas
Master of Science (M.Sc.)	Clinical Biochemistry
Doctor of Philosophy (Ph.D.)	Protein misfolding/aggregation, Medicinal plant proteomics, Pathophysiology and management of polycystic ovarian syndrome (PCOS), Chromatin dynamics, Transcription regulation, Structural and functional characterization of proteins, Medicinal Plant research, Oxidative stress biology, Cancer Biology, Free Radical Biology.
Postdoctoral Research Fellowship	Various areas within biochemistry and related fields

Faculty Expertise:

Dr. Fouzia Rashid (Head, Department of Clinical Biochemistry)

Dr. Fouzia Rashid, an Associate Professor in the Department of Clinical Biochemistry at the University of Kashmir, is a leading expert in the field of polycystic ovarian syndrome (PCOS). With a Ph.D. from an esteemed institution, Dr. Rashid's research interests lie in unraveling the pathophysiology, treatment, and management of PCOS, a prevalent endocrine and metabolic disorder affecting women worldwide. Her pioneering work has shed light on the complex interplay of factors contributing to PCOS, including hyperandrogenism, insulin resistance, inflammation, and cardiovascular risk factors.

Under her guidance, a team of dedicated researchers has made significant strides in understanding the molecular mechanisms underlying PCOS pathogenesis. Dr. Fouzia’s lab has conducted groundbreaking studies elucidating the roles of inflammatory markers, pro-oxidants, antioxidants, and insulin metabolism genes in PCOS development. Moreover, her research endeavors extend to exploring the impact of endocrine disruptors and genetic variants on PCOS susceptibility and progression.

Dr. Fouzia’s prolific contributions to PCOS research have been published in reputable international

journals and have garnered widespread recognition in the scientific community. Through collaborations with esteemed institutions and esteemed collaborators, including SKIMS, GMC –SGR, LD Hospital , Dr. Rashid continues to advance knowledge in the field and pave the way for innovative approaches to PCOS diagnosis and management.

Dr. Syed Hussain Mir

Dr. Syed Hussain Mir, an Assistant Professor in Clinical Biochemistry at the University of Kashmir, is a distinguished expert in the field of protein engineering and monoclonal antibody development. With a Ph.D. from Goethe University Frankfurt Germany, Dr. Syed Hussain Mir research focuses on the engineering of filamentous phages and the development of recombinant monoclonal antibodies for therapeutic and diagnostic applications.

Dr. Syed Hussain Mir laboratory utilizes cutting-edge molecular biology techniques and Phage Display methodology to engineer molecular libraries of antibody fragments and random peptides. These libraries serve as valuable resources for the expression and isolation of binders targeting various therapeutically important protein targets. Dr. Syed Hussain Mir expertise lies in generating recombinant antibody fragment libraries in filamentous phage vectors, using germ-line VH and VL gene pools from immunized and non-immunized sources.

A significant aspect of Dr. Syed Hussain Mir research involves the generation of avian monoclonal antibody fragments for structural and biochemical characterization of challenging membrane proteins. Through innovative approaches, including the exploitation of the avian immune system, Dr. Syed Hussain Mir group obtains high-affinity binders against difficult targets, facilitating structural studies and advancing our understanding of membrane protein biology.

Dr. Syed Hussain Mir contributions to the field of protein engineering and monoclonal antibody development have been recognized internationally, with publications in esteemed journals and collaborations with leading institutions in the field. His research holds promise for the development of novel therapeutic and diagnostic tools, with potential applications in biomedicine and beyond.

Dr. Showkat Ahmad Ganie

Dr. Showkat Ahmad Ganie, Ph.D., an Assistant Professor in Clinical Biochemistry at the School of Biological Sciences, University of Kashmir, possesses extensive expertise in plant biochemistry and its application in human health. Dr. Showkat Ahmad Ganie obtained his Ph.D. and M.Phil. degrees from the Department of Biochemistry at Kashmir University.

Research Interest:

His research focuses on exploring the pharmacological properties of medicinal herbs, particularly their antioxidant, anti-inflammatory, antidiabetic, anti-hyperlipidemic, antimicrobial, and anticancer potential. His laboratory employs various experimental setups, including in vitro experiments, in vivo animal models, and cell lines, to elucidate the therapeutic benefits of traditionally claimed medicinal plants. Current research highlights include the role of protein kinases in regulating hyperlipidemia and the evaluation of inflammatory markers in inflammation-related disorders.

Publications:

He has contributed significantly to the scientific literature with publications in esteemed journals such as Carcinogenesis, Current Neuropharmacology, Oxidative Medicine and Cellular Longevity, Drug Research, and more. His research has covered diverse topics ranging from the antioxidant and cytotoxic activities of medicinal plants to computational strategies for designing drugs targeting human diseases.

Research Grants and Output:

He has received funding for ongoing projects focusing on the inflammatory response in rats and the

antioxidant and anticancer activities of specific plant extracts. He has supervised several Ph.D. and M.Phil. students, with degrees awarded to 2 Ph.D. candidates and 6 M.Phil. candidates. Presently, his lab comprises researchers like Khalid Bashir Dar, Suhail Anees, Saima Nazir, Ambreen Farooq, Ghulam Jeelani Mir, Shafaquat Nabi, and Anjum.

Dr. Showkat Ahmad Ganie's research output and leadership have significantly contributed to the understanding of medicinal plants' therapeutic potential, paving the way for the development of novel therapeutics against various human ailments.

Dr. Tanveer Ali Dar, Ph.D

Dr. Tanveer Ali Dar, Ph.D., is an Assistant Professor in the Department of Clinical Biochemistry at the University of Kashmir. His expertise lies in the structural and functional characterization of globular proteins and intrinsically disordered proteins (IDPs) in the presence of osmolytes/chemical chaperones. His research also encompasses protein misfolding/aggregation/amyloid formation and medicinal plant proteomics, with a focus on developing protein drugs. Dr. Tanveer Ali Dar obtained his Ph.D. degree from Jamia Millia Islamia, New Delhi, where he developed expertise in his research areas. As an Assistant Professor at the University of Kashmir, he continues to contribute to the field of clinical biochemistry through his research and academic endeavors.

Research Areas:

Dr. Tanveer Ali Dar's research areas include:

1. Structural and functional characterization of globular proteins and IDPs in the presence of osmolytes/chemical chaperones.
2. Protein misfolding/aggregation/amyloid formation and the role of chemical chaperones.
3. Medicinal plant proteomics, particularly the purification and characterization of biologically active proteins from medicinal plants like Ashwagandha.

He has contributed to several publications in reputable journals, covering topics such as cellular osmolytes, modulation of protein aggregation/fibrillation by osmolytes, and the inhibition of cholinesterase by natural and synthetic inhibitors. He has secured research grants from DBT, DST, and CSIR, New Delhi, to support his investigations into the biophysical characterization of glycosylated and non-glycosylated forms of Withania Somnifera glycoprotein, the comparative study of the effect of osmolytic and macromolecular crowders on protein structure and folding, and investigating the effect of osmolytes on protein fibrillation, respectively. Dr. Tanveer Ali Dar's lab includes current Ph.D. students Parvaiz A. Dar, Mohd. Younus Bhat, Mashooq A. Dar, Usma Manzoor, Snowber Shabir Wani, and Faisal Ali. Past lab members include MPhil students Ehsaan Abdullah and Anzar A. Shah.

Dr. Abdul Wajid Bhat

Dr. Abdul Wajid Bhat, Ph.D., serves as a Scientist D/Ramanujan Fellow in the Department of Clinical Biochemistry at the University of Kashmir. Dr. He has obtained his Ph.D. degree from Laval University Canada, where he developed his expertise in chromatin biology and yeast genetics. As a Ramanujan Fellow, he brings a wealth of experience and knowledge to the Department of Clinical Biochemistry at the University of Kashmir. His expertise lies in utilizing budding yeast as a model organism to investigate chromatin organization during various cellular processes.

His research primarily focuses on understanding how chromatin organization is established, propagated, maintained, and altered during cellular processes. Specifically, his work delves into the dynamics of chromatin associated with transcription elongation and the role of protein kinase CK2 in preventing spurious intragenic transcription.

He has secured research grants from DST-SERB, New Delhi, to support his investigations into chromatin dynamics associated with transcription elongation and the role of protein kinase CK2. The lab members

under Dr. Abdul Wajid Bhat's guidance include Ph.D. students Saima Nazir, Ursila Yaseen, Aaqib Ashraf and Saniya Pervaiz, who actively contribute to his research endeavors. He has contributed to several publications in esteemed journals such as Nucleic Acids Research, Methods in Molecular Biology, RNA Biology, and Molecular Cell Biology. His research publications cover a wide range of topics, including the regulation of histone chaperones, the purification of yeast native reagents for chromatin analysis, and the regulation of spurious transcription by chromatin reassembly factors.

Research and Innovation

Detail of ongoing research projects,

Dr. Fouzia Rashid, associate Professor

1. **Ongoing Research Projects:** High altitude induced thrombosis in transhumant pastoralist Gujjar-Bakarwal population of Jammu and Kashmir: A prospective, longitudinal observational study. **(DHR)**

Important Publications:

1. Saika Manzoor, Mohd Ashraf Ganie, Shajrul Amin, Zaffar A Shah, Imtiyaz A Bhat, S. Douhath Yousuf, Humira Jeelani, Iram A Kawa, Qudsia Fatima & Fouzia Rashid. Oral contraceptive use increases risk of inflammatory and coagulatory disorders in women with Polycystic Ovarian Syndrome: An observational study. Scientific Reports. 9,10182, 2019.
2. Sairish Ashraf, Shayaq Ul Abeer Rasool, Mudasar Nabi, Mohd Ashraf Ganie, Farhat Jabeen, Fouzia Rashid & Shajrul Amin. CYP17 gene polymorphic sequence variation is associated with hyperandrogenism in Kashmiri women with polycystic ovarian syndrome. Gynecological Endocrinology. 2020. DOI: 10.1080/09513590.2020.1770724.
3. Jasiya Qadir, Sabhiya Majid, Mosin S. Khan, Fouzia Rashid, Mumtaz Din Wani, Inshah Din, Haamid Bashir. AT-rich Interaction Domain 1A Gene Variations: Genetic Associations and Susceptibility to Gastric Cancer Risk. Pathology & Oncology Research. 2020. PMID: 3237798
4. Saika Manzoor, Mohd A. Ganie, Sabhiya Majid, Iram Shabir , Iram A. Kawa, Qudsia Fatima, Humira Jeelani, Syed Douhath Yousuf, Fouzia Rashid. Analysis of Intrinsic and Extrinsic Coagulation Pathway Factors in OCP Treated PCOS Women. Ind J Clin Biochem. volume 36, pages 278–287 (2021).
5. Humira Jeelani, Nahida Tabassum, Dil Afroze, Fouzia Rashid. Association of Paraoxonase1 enzyme and its genetic single nucleotide polymorphisms with cardio-metabolic and neurodegenerative diseases. https://doi.org/10.1016/j.genrep.2020.100775. Gene Reports. 20(6):100775, 2020.
6. Iram A, Masood A, Fatima Q, Mir S, Jeelani H, Manzoor S and Rashid F. Endocrine disrupting chemical Bisphenol A and its effects on female health. March 2021, Diabetes and Metabolic Syndrome Clinical Research and Reviews 15 (6) DOI: 10.1016/j.dsx.2021.03.031
7. Wazir S, Zargar MA, Iram A, Manzoor S, Muzammil M and Rashid F, High prevalence of Metabolic Syndrome in Kashmir (India) Adult population: Time to Intervene, Annals of R.S.C.B., ISSN: 1583-6258, Vol. 25, Issue 4, 2021, Pages. 14863 – 14877.
8. Wazir S, Zargar MA, Muzammil M and Rashid F, Hematological parameters as a risk for developing Metabolic syndrome in adult population of Kashmir (India), © 2021 Archives of Medicine and Health Sciences | Published by Wolters Kluwer – Medknow.
9. Qadir J, Majid S, Khan MS, Rashid F, Wani MD, Bhat SA. Implications of ARID1A undercurrents and PDL1, TP53 overexpression in Advanced Gastric cancer. Pathol Oncol Res. 2021 Dec 3; 27:1609826.

10. Din I, Majid S, Rashid F, Wani MD, Qadir J, Wani H, Fareed M. Mitochondrial uncoupling protein 2 (UCP2) gene polymorphism – 866 G/A in the promoter region is associated with type 2 diabetes mellitus among Kashmiri population of Northern India. Mol Biol Rep. 2022
11. Douhath S Y, Ganie MA, Mudassar S, Humiara S, Ibrahim S, Humira J, RashidG, Zargar MA, Rashid F. Association of -675 4G/5G PAI-1 and -2518A/G MCP-1 genetic polymorphisms with polycystic ovary syndrome in Kashmiri women: A case control study. J Family Med Prim Care 2022; 11:4743-52.
12. Syed Douhath, M Ashraf Ganie, Uneeb Urwat, Syed Mudasir Andrabi,M Afzal Zargar, Mashooq A Dar, Mir Manzoor-ul-Rehman, Syed Mudassar and Fouzia Rashid. Oral contraceptive pill (OCP) treatment alters the gene expression of intercellular adhesion molecule-1 (ICAM-1), tumor necrosis factor-α (TNF-α), monocyte chemoattractant protein-1 (MCP-1) and plasminogen activator inhibitor-1(PAI-1) in polycystic ovary syndrome (PCOS) women compared to drug-naive PCOS women. BMC Women's Health. 2023, 23:68.

Dr. Showkat Ahmad Ganie, Assistant Professor

Ongoing Research Projects:

1. **Project Title:** Protein and gene expressions of IL1β, NFkB1, NFkB2, PPARγ, NOS2, COX2, TNFα in LPS induced inflammatory response in rats and effect of Cousinia thomsonii
   Funding Agency: SERB India (2017)
2. **Project Title:** Isolation, characterization and cellular mechanistic elucidation of potential natural small molecule(s) from Alcea rosea active extract(s) on inhibition of self-renewal characteristics of colon cancer cells **Funding Agency:** ICMR (2024)

Dr. Tanveer Ali Dar, Assistant Professor

Ongoing Research Projects:

1. **Project Title:** Evaluation of unani polyherbal formulations, acting as muqawwi Dimag, for their potential to inhibit acetylcholinesterase and amyloid beta-amyloid toxicity.
   Funding Agency: CCRUM, GoI, New Delhi (2022)
2. **Project Title:** Purification and molecular characterization of bioactive protein(s)/peptide(s) from an anti-cancerous Indian fraction isolated from Withania somnifera (L) Dunal.

Funding Agency: (SERB-DST funded) 2023

3. **Project Title:** Proteomic studies of Ashwagandha for identification and characterization of its anticancer protein(s)/peptide(s) Exploring Novel protein based drug molecules.
   Funding Agency: J&K state DST (2024).

Important publications

1. "An ornamental plant targets epigenetic signaling to block cancer stem cell-driven colon carcinogenesis." (2016) - by Showkat Ahmad Ganie, Tanveer Ali Dar, Rabia Hamid, Ovais Zargar, Shayaq Ul Abeer, Akbar Masood, Shajrul Amin, and Mohammad Afzal Zargar. Published in Carcinogenesis.

2. "Casein kinase 2 mediated phosphorylation of Spt6 modulates histone dynamics and regulates spurious transcription." (2018) - by Abdul Wajid Bhat. Published in Nucleic Acids Research.

3. "TMAO abolishes the chaperone activity of alpha-casein: an intrinsically disordered protein." (2017) - by Tanveer Ali Dar, MY Bhat, and LR Singh. Published in Scientific Reports.

4. "Modulation of Protein Aggregation/Fibrillation by Osmolytes." (2017) - by MY Bhat, LR Singh, and TA Dar. Published in Cellular Osmolytes.

5. "Protein N-homocysteinylation: from cellular toxicity to neurodegeneration." (2015) - by GS Sharma, T Kumar, TA Dar, and LR Singh. Published in Biochimica et Biophysica Acta.

6. "Cellular osmolytes: From Chaperoning Protein Folding to Clinical Perspectives." (2017) - by LR Singh and TA Dar. Published by Springer Nature Singapore Pvt. Ltd.

7. "Transcription regulation by the noncoding RNA SRG1 requires Spt2-dependent chromatin deposition in the wake of RNA polymerase II." (2011) - by Thebault P, Boutin G, Bhat W, Rufiange A, Martens J, and Nourani A. Published in Molecular Cell Biology.

Research highlights of importance

Dr. Fouzia Rashid
Dr. Fouzia Rashid's research focuses on unraveling the pathophysiology, treatment, and management of polycystic ovarian syndrome (PCOS), a prevalent endocrine and metabolic disorder affecting women of reproductive age. Her work delves into the molecular mechanisms underlying PCOS, emphasizing its polygenic and multifactorial nature. Through investigations into markers of inflammation, oxidative stress, insulin resistance, and endothelial dysfunction, Dr. Rashid sheds light on the complexities of PCOS pathogenesis. Her studies highlight the intricate interplay between hormonal imbalances, metabolic dysregulation, and associated health risks, contributing significantly to the understanding of this complex syndrome.

Syed Hussain Mir
Recombinant Monoclonal Antibodies: Specializes in engineering filamentous phages and developing recombinant monoclonal antibodies using phage display technology for therapeutic and diagnostic applications.
Showkat Ahmad Ganie
Medicinal Herb Research: Focuses on investigating the pharmacological properties of medicinal herbs, particularly in antioxidant, anti-inflammatory, anti-diabetic, anti-hyperlipidemic, anti-microbial, and anti-cancer potential. Epigenetic Regulation and Cancer Stem Cells: Targets epigenetic signaling pathways to block cancer stem cell-driven colon carcinogenesis, with significant implications for cancer therapy.

Tanveer Ali Dar
Protein Stabilization and Folding: Investigates the structural and functional characterization of globular proteins and intrinsically disordered proteins (IDPs) in the presence of osmolytes/chemical chaperones, aiming to develop solutions for stabilizing therapeutic proteins and understanding protein misfolding/aggregation.

Abdul Wajid Bhat
Chromatin Dynamics and Protein Function: Studies chromatin organization and its role in various cellular processes using budding yeast as a model system, aiming to understand how chromatin dynamics affect gene expression and cellular function.

Placements in the last 5 years

Over the past 5 years, we've successfully placed students in reputable companies and institutions. Here are some recent placements:

Student Name	Company/Institution	Year
Iram Shabir	PhD (2016), Department of Endocrinology, All India Institute of Medical Sciences (AIIMS) New Delhi. Registrar, Dept. of Biochemistry, Govt. Medical College Srinagar.	2022
Rizwana Qadri	PhD (2018) Department of Laboratory Medicine, All India Institute of Medical Sciences (AIIMS), New Delhi. Research Assistant, New York.	2022
Muneeb A Faiq	PhD (2018) Department of Opththalmology, All India Institute of Medical Sciences (AIIMS), New Delhi. Postdoc, New York University School of Medicine, New York, USA	2023
Tehseena Akhter	PhD (2017), Assistant Professor, Department of Biochemistry, Govt. Medical College, Jammu	2020
Aijaz Rashid	PhD (2014), Indian Institute of Technology (IIT), Bombay, Indo-Canadian Phd exchange program University of Alberta Canada. Post doctorial fellow National Institutes of Health, Bethesda,Maryland USA. Assistant Professor, Department of Higher education.	2022
Mehraj-ud-din Bhat	PhD (2015) National Institute of Nutrition (NIN), Hyderabad. PDF University of South Australia. Assistant Professor, Department of Higher education.	2022
Qudsia Rashid	PhD, Jamia Milia Islamia, New Delhi. Assistant Professor, Department of Higher education.	2022
Yasrib Qurashie	PhD, Indian Institute for Integrative Medicine (IIIM), Jammu.	2023
M Ishaq Dar	CSIR NET-JRF, M Phil KU PhD, IIIM, Jammu. Teacher, Department of Education, Govt. of J & K.	2021
Nomaana	GRE, TOFEL, CSIR-UGC NET, All India Entrance Test for PhD at NII & AIIMS PhD at University of Massachusetts	2020

	Medical School. Worchester, MA.USA	
Kowsee Jalal	Common Wealth Fellowship for PhD. PhD at Oxford University, Oxford, UK.	2019
Mohsin Maqbool	NET, All India Entrance Test for PhD at AIIMS & IMTEC, PhD Fellow. Pursuing at Department of Medical Oncology at All India Institute of Medical Sciences (AIIMS), New Delhi, New Delhi.	2020
Firdous Beigh	PhD USA, Assistant Professor University of Madina,KSA	2019
Rehaana	Science Teacher; Dept. of Education, Govt. of Jammu and kashmir.	2017
Javid Ahmad Dhobi	CSIR- NET(JRF), All India Entrance Test for PhD at AIIMS, IISc, CDFD, PhD (2018), All India Institute of Medical Sciences (AIIMS), New Delhi. PDF National Institute of Health (NIH), USA	2019
Albeena Nisar	PhD (2016), Department of Biochemistry, University of Kashmir. Scientist	2021
Fayaz Ahmad	Lecturer School Education, Dept. of Education, Govt. of Jammu and Kashmir.	
Aashiq Hussain Bhat	PhD (2017), (GATE XL, BT) Department of Biochemistry, KU. Research Scientist, Center for Genetics, SKIMS, Soura. Lecturer Department of Clinical Biochemistry, University of Kashmir	2021
Ather Ali	PhD, Department of Veterinary Biochemistry, SKUST, Srinagar. BM, J&K Bank.	
Showkat A Bhat	PhD (2014) Department of Veterinary Biochemistry, SKUST, Srinagar. Registrar, Dept. of Biochemistry, Govt. Medical College Srinagar.	
Rabia Majeed	PhD; Indian Institute for Integrative Medicine (IIIM), Jammu. C Lecturer, Degree College, Anantnag.	
Asia	C Assistant Prof. CUK, Srinagar, Assistant professor at Department of Higher education.	
Ashaqullah Bhat	C Assistant Professor, Dept. of Biochemistry, JVC, Srinagar.	
Zaffar-Ullah Zargar	PhD (2018) at CDFD, Hyderabad., PROJECT assistant at ncbs/tifr 2010, N-pdf (DBT-SERB) at Dept. of biotechnology, University of Kashmir.	
Qudsia Rashid	PhD, Jamia Milia Islamia, New Delhi.	
Yasrib Qurashie	PhD, Indian Institute for Integrative Medicine (IIIM), Jammu.	
Rabia Majeed	PhD; Indian Institute for Integrative Medicine (IIIM), Jammu. C Lecturer, Degree College, Anantnag.	
M Ishaq Dar	PhD, IIIM, Jammu. Teacher, Department of Education, Govt. of J & K.	
Asia	C Assistant Prof. CUK, Srinagar	
Ashaqullah	C Assistant Professor, Dept. of Biochemistry, JVC, Srinagar.	

Bhat		
Zaffar-Ullah Zargar	PhD (2018) at CDFD, Hyderabad., PROJECT assistant at ncbs/tifr 2010, N-pdf (DBT-SERB) at Dept. of biotechnology, University of Kashmir.	
Sumaria Rashid	PhD (2017), Department of Gastroenterology, All India Institute of Medical Sciences (AIIMS), New Delhi. RA, SKUAST	
Samirul-Bashir	Project Fellow; Pursuing research at Indian Institute of Sciences (IISc), Banglore.	
Aadil Rashid	Project Assistant , Department of Enocrionology, SKIMS.	
Syed Shafia	PhD, & Senior Resident, Department of Immunology, SKIMS.	
Irfan Mir	Biology Lecturer, GVEI, Srinagar	
Samina Bashir	PhD, pursuing Phd/Research in the Department of Biochemistry, Hamdard University, New Delhi	
Danish Iftikhar	Contractual Lecturer, Dept. of Biochemistry, Govt. Dental College, Jammu	
Yasmeen Skinder	Science Teacher; Dept. of Education, Govt. of Jammu and Kashmir, (Posted in District Bandipora)	
Shah Mansoor	M.Phil at Dept. of Biochemistry, University of Kashmir, Relationship executive in jkbank	
Ishfaq Ahmad	PhD, Pursuing, Dept. of Endocrinology, SKIMS.	
Shazia Naqashi	RE, Jammu & Kashmir Bank.	
Naseer Iqbal	PhD , Pursuing at Department of Biophysics, All India Institute of Medical Sciences (AIIMS), New Delhi.	
Sajad Sofi	PhD, University, Berlin, Postdoc University. UK.	
Abu Imran baba	PhD, University of Szeged, Hungary.	
Adil Bhat	PhD ILBS, New Delhi.	
Mudasir Baba	PhD, Dept. of Physiology, All India Institute of Medical Sciences (AIIMS), New Delhi.	
Arif M	PhD, IGIB, New Delhi, Teacher, J&K Govt	
Syed Muntazir Andrabi	PhD, pursuing at Indian Institute of Technology (IIT), Kanpur, India	
Parvez Ahmad	Assistant Professor, Department of higher Education, J and K	
Showqat Ahmad	PhD KU, Scientist Unani Hospital	
Misbah	PhD , Department of Biochemistry, Kashmir university	
Bushra	PhD , Department of Biochemistry, Kashmir university	
Madiha	PhD (2019), SKIMS	
Aliya Bhat	PhD , Department of Biochemistry, Kashmir university	
Aasif Majeed	PhD, IIIM, Sanat Nagar	
Aadil Rashid Wani	IISc, Banglore	
Zubair ul Islam	NCBS, Banglore (Dimple Notani Lab).	
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