

GH JEELANI MIR, PhD

Assistant Professor
Clinical Biochemistry,
Government Degree College Sopore
Phone No- +918491823625
Email- jeelani710@gmail.com
jeelani@gdckupwara.edu.in



EDUCATION:

*Ph.D in Clinical Biochemistry , University of Kashmir , Srinagar , India -19006

M.Sc. Clinical Biochemistry, University of Kashmir, Srinagar, India-190006

B.Sc. with Chemistry and Biology, University of Kashmir, Srinagar, India-

ACADEMIC AND RESEARCH APPOINTMENTS:

2021- PRESENT.	Assistant Professor, Department of Clinical Biochemistry, Higher Education Department, Government of J&K, India.
2019-2021	Joint CSIR-UGC – Senior Research Fellow (SRF) at Department of Biochemistry, University of Kashmir, Hazratbal Srinagar -190006
2017-2019	Joint CSIR-UGC – Junior Research Fellow (JRF) at Department of Biochemistry, University of Kashmir, Hazratbal Srinagar -190006
2015-2016	Master’s Internship at Structural and molecular biology laboratory, Department of biophysics. AIIMS, New Delhi
2013-2015	M. Sc Clinical Biochemistry Department of Clinical Biochemistry University of Kashmir, Hazratbal Srinagar -190006
2012-2013	Diploma in Medical laboratory Technology, State Medical Faculty Jammu and Kashmir
2019-2011	Bachelor of Science, University of Kashmir, Hazratbal Srinagar – 190006

RESEARCH INTREST:

Colon cancer is a serious public health problem that is the world's second-largest cause of mortality and morbidity. Despite developments in tumor biology and increases in chemotherapy efficacy, over 50% of colon cancer patients still have tumor recurrence owing to treatment resistance. As a result, the crucial involvement of cancer stem cells (CSCs) in colon cancer progression and metastasis has been identified. CSCs are a rare subset of cancer cells with the ability to initiate and proliferate cancer cells as well as trigger cancer resurgence. Self-renewal, cell differentiation, and tumorigenicity are all features of CSCs. We are screening small natural molecules having ability of inhibiting CSCs and removing their self-renewal capacity might be a useful treatment for treating colon cancer.

TEACHING AREA:

- Laboratory Medicine
- Metabolism
- Biophysical Techniques
- Human Physiology and Cell Biology
- Molecular Biology

NATIONAL EXAMINATION QUALIFIED:

- Qualified Joint CSIR-UGC NET examination (2016)
- Qualified Joint CSIR-UGC NET-JRF examination (2017)

ADMINISTRATIVE WORKS:

- Head, Department of Clinical Biochemistry, GDC Sopore (2022- present)
- Former Head of Departments (Biochemistry and Clinical Biochemistry) 2021-22
- Former Member of advisory committee, GDC Kupwara (2021-22)
- Former member of Research and Development Committee, GDC Kupwara (2021-22)

- Former Supervisor of College health care centre, GDC Kupwara (2021-22)

SKILLS:

Molecular Biology and Biochemistry

Animal Cell culture, Microscopy, DNA/RNA extraction, PCR, RT-qPCR, Protein isolation/extraction, Western blot, Dot Blot, immunoprecipitation, drug treatment, blood biochemistry, ELISA, Immunocytochemistry, Live cell imaging using Confocal microscopy,

Computer Proficiency:

Microsoft Office (Word, Excel, PowerPoint), Adobe Photoshop, EndNote, ChemBioDraw, Bio-render etc.