

# UBAID SHARIF MAKHDOOMI

## ASSISTANT PROFESSOR BIOTECHNOLOGY

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After completing bachelors in science from University of Kashmir I did my masters in Biotechnology from H.N.B. Garhwal University Srinagar, Garhwal Uttarakhand. My interest during post-graduation had always been to excel in academics besides pursuing research. In the meantime after completion of my post-graduation I qualified CSIR-UGC JRF and got enrolled for PhD at CSIR-Indian Institute of integrative Medicine Jammu. My research focus has been on breast cancer and notably to evaluate the role of stem cells in generation of chemoristance against various therapeutic agents. Currently I'm working in the capacity of Assistant Professor in Higher Education Department and posted at Govt. Degree College Baramulla.

## ACADEMIC & INDUSTRY EXPERIENCE

August 2014 to February 2017

### **Research Scholar at CSIR Indian Institute of Integrative Medicine Jammu**

**Research Area;** Chemoresistance in Breast cancer treatment  
Generation of cancer stem cell models and evaluating their role in breast cancer progression and metastasis

## ACADEMIC QUALIFICATIONS

June 2010 to August 2012     **M.Sc. in Biotechnology**

H.N.B. Garhwal Central University, Uttarakhand  
Enzymology, Biochemical techniques, Immunology, Cell biology  
Molecular Biology, Cell signaling and Cancer Biology.  
Bioinformatics and Biostatistics  
Metabolism, Microbial biotechnology  
Lab and Project Work

March 2007 to February 2010     **B.Sc. with Biotechnology**

University of Kashmir  
G.English, Chemistry, Zoology, Biotechnology

March 2004 to February 2007 **Intermediate and High School**

J&K BOSE

Hr. Sec.School: English, Physics, Chemistry, Biology, Maths

High School: English, Urdu, Science, S. Science, Maths

## RESEARCH SKILLS

- Mammalian Cell Culture, In-vitro gene transfection (Lenti/Retroviral transduction)
- SDS-PAGE and Western Blotting
- Flow cytometry and cell sorting
- Immunofluorescence and Microscopy
- Bacterial cell culture

## ACTIVITIES

Honors and awards Qualified CSIR-UGC JRF 2013

Qualified ICAR NET 2013

## Research Publications:

AabidManzoorShah,AbubakarWani,ParvaizH.Qazi,Shakeel-uRehman,SaleemMushtaq, ShiekhAbidAli, AehteshamHussain, AiyatullahShah, AsifKhurshidQazi, **Ubaid Sharif Makhdoomi**, AbidHamid,AjayKumar. Isolation and characterization of alborixin from *Streptomyces scabrissporus*: A potent cytotoxic agent against human colon (HCT-116) cancer cells *Chemico-Biological Interactions* August 2016

Husain, I., Bala, K., Wani, A., **Makhdoomi, U.**, Malik, F., Sharma, A. 2017. Arginase purified from endophytic *Pseudomonas aeruginosa* IH2: Induce apoptosis through both cell cycle arrest and MMP loss in human leukemic HL60 cells. *Chem. Biol. Interact.*, 274:35- 49.

BhumikaWadhwa, **UbaidMakhdoomi**, Ram Vishwakarma, and Fayaz Malik, "Protein kinase B," *Anti-Cancer Drugs*, vol. 28, no. 6, pp. 569–580, 2017.  
Protein kinase B: emerging mechanisms of isoform-specific regulation of cellular signaling in cancer

Chapter from book *Genome Analysis and Human Health* (pp.1-29) "Genetic and Epigenetic Regulation of Autophagy in Cancer" Anup S. Pathania, **Ubaid S. Makhdoomi**, Fayaz A. Malik

## SEMINARS AND WORKSHOPS

- Attended Two Days National Seminar-cum- Workshop on “SKILL DEVELOPMENT IN BIOTECHNOLOGY” (20-21 November, 2017 organized by DEPARTMENT OF BIOTECHNOLOGY & BIOINFORMATICS at Sri Pratap College, Srinagar
- Attended 7 days UGC/CPE sponsored Teacher Enrichment Programme (TEP) from 18.05.2018 to 16.10.2018 at Govt. Degree College Baramulla
- Participated in 21 Days National Training Course (NTC-2019) on Livelihood Security through Sustainable Agriculture, Livestock Husbandry, and Allied Enterprises (25 February- 17 March 2019) at Govt. Degree College Baramulla
- Participated in Regional Workshop on Research Based Pedagogical Tools held in Department of Biotechnology and Bioinformatics, at Sri Pratap College (School of sciences) Cluster University, Srinagar Kashmir from 16<sup>th</sup> July to 18<sup>th</sup> July, 2019
- Participated in CPE/UGC sponsored One Day Workshop on “NAAC TALK” organized by *Internal Quality Assurance Cell (IQAC)* of Govt. Degree College Baramulla on 4<sup>th</sup> of March, 2020
- Participated in One Day Seminar on “LEARNING OUTCOMES BASED CURRICULUM FRAMEWORK (LOCF)” VIS-À-VIS BIOTECHNOLOGY on 11<sup>th</sup> March, 2020 at Sri Pratap College, Srinagar
- Completed 4-Week Induction/Orientation Programme for "Faculty in Universities/ Colleges/ Institutes of Higher Education" from June 26 - July 24, 2020 through Teaching Learning Centre, Ramanujan College University of Delhi