

## Curriculum Vitae

### **Mahak Majeed Zargar**

Assistant Professor

Department of Bioresources

Government Degree college

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### ***Education***

S. No.	Institution (Place)	Degree Awarded	Year	Field of Study
1.	University of Kashmir, Srinagar, J&K	B.Sc.	2011	Life science
2.	University of Kashmir, Srinagar, J&K	M.Sc.	2014	Bio-Resources
3.	University of Kashmir, Srinagar, J&K	JRF (Ph.D Fellow)	May 2018	May 2020
4.	University of Kashmir, Srinagar, J&K	SRF (Ph.D Fellow)	May 2020	May 2022
5.	Government Degree college Sopore, J&K	Assistant Professor	June 2022	Present

### **Academic Qualification**

- ✓ Doctorate (submitted in 2022)
- ✓ Masters (2015)
- ✓ Bachelors (2012)
- ✓ Matriculation (2006)

### **Awards**

1. Qualified joint CSIR-UGC NET for Assistant Professorship held on 18-12-2016 with AIR 30.
2. Qualified joint CSIR-UGC NET for Assistant Professorship held on 18-06-2017.
3. Qualified Junior Research Fellowship (JRF) and eligibility for Assistant Professor in the joint CSIR-UGC Test conducted on 17-12-2017 with AIR 40

## **Publications**

### **A. Thesis:**

- ✓ Ph.D. Thesis: Studies on Phytochemical, antioxidant, antimicrobial and anticancer activities of *Viscum album* from different host plants
- ✓ MSc Thesis: Impact of Bio fertilizers on the productivity of crops grown in Kashmir

### **B. Book Chapters:**

- i) Phytochemistry, Pharmacology and Toxicity of an epiphytic medicinal shrub *Viscum album* L. (White Berry Mistletoe).
- ii) Approaches for Metabarcoding and Environmental DNA (eDNA) Assays in plants
- iii) Manipulation of Key Genes involved in Biosynthesis of terpenoid compounds in plants

### **C Papers in scientific periodicals with referees:**

- i) Mistletoe lectins: From interconnecting proteins to potential tumor inhibiting agents.
- ii) Comparative study on phytochemical profile and antioxidant activity of an Epiphyte, *Viscum album* L. (White Berry Mistletoe) derived from different host trees.
- iii) Synergistic effect of plant extract coupled silver nanoparticles in various therapeutic applications- present insights and bottlenecks.

### **D International / National (Conferences/Symposia)**

- I. Participated in the 13<sup>th</sup> Session of Jammu & Kashmir Science Congress (JKSC-2018) organized from 2<sup>nd</sup>-4<sup>th</sup> April, 2018 by University of Kashmir in collaboration with Jammu & Kashmir State Science, Technology and Innovation Council and presented a paper entitled “Anticancer Activity of Deguelin- A plant Rotenoid by its binding to anti-apoptotic Molecules (Bcl-2, Bcl-xl & McL-I)”
- II. Participated in the 2<sup>nd</sup> International Conference on “ Advances in Biopolymers and Workshop on “Fermented Foods & Gut Health” held at University of Kashmir, Hazratbal, Srinagar, India, from November 8-9, and presented a paper entitled “Micro and Nano-Encapsulation Of Bioactives From Plants Using Biopolymers As Wall Material”
- III. Participated in the International Conference on Recent Advances in Biomedical Sciences and Regenerative Medicine RABSRM 2022 held on 6-7 May 2022 and presented as research work titled Mistletoe as a potential source of antimicrobial and cytotoxic agents influenced by different hosts.

