

## **BIO DATA**

Name : **Shazia Mushtaq**

Parentage : **Mr. Mir Mushtaq Ahmad**

Address- Official : **Department of Botany,  
Sri Pratap College,  
Srinagar- 190 006, INDIA.**

- Residence: 08, Ashiana Qamaria, Gupkar Road  
**Srinagar, INDIA.**

Academic Qualification: **B.Sc (Hons.) Botany** 1994-97 in First Division,  
Aligarh Muslim University,  
Aligarh, U.P.

**Master of Science (M.Sc)** in Botany, 1997-1999 in  
First Division, Aligarh Muslim University, Aligarh, U.P.

**Master of Philosophy ( M. Phil)** in Botany (2001-2003)  
Topic “*Development of Agro-techniques for Conservation  
of Picrorhiza kurrooa-  
A Threatened Medicinal Plant of Northwest Himalaya*”

**Doctor of Philosophy (Ph.D)** in Botany (2014-2022)  
Topic “*Predicting Range Expansion of Some Invasive  
Alien Plant Species in Response to Climate Change Using  
Ecological Niche Modeling*”

Field of Specialization: **Plant Ecology**

Computer Knowledge: **12+ years experience of handling data through  
computer methods.**

## PROFESSIONAL APPOINTMENTS:

1. Lecturer in Botany in Higher Education Department (Contractual): **8 years.**
2. Lecturer in Botany (Permanent): School Education Department, J&K Government, March 2009 to October, 2009.
3. Assistant Professor in Botany (Permanent): Higher Education Department, J&K Government, since October, 2009.

## AFFILIATIONS:

1. **Assistant Dean Students Welfare**, Cluster University, Srinagar (2021).
2. **Member-** Guidance, Counseling and Coaching Cell, Cluster University, Srinagar (2022).
3. **Co-convenor-** Guidance, Counseling and Coaching Cell, Cluster University, Srinagar (2023).
4. **Member**, Post-Graduate Board of Studies, Department of Botany, Cluster University Srinagar, 2020-2021.
5. **Member**, Under-Graduate Board of Studies, Department of Botany, Cluster University Srinagar, 2020-2021.

## PUBLICATIONS:

**01. Shazia Mushtaq**, Zafar A. Reshi, Manzoor A. Shah, Bipin Charles (2021). Modelled distribution of an invasive alien plant species differs at different spatiotemporal scales under changing climate: a case study of *Parthenium hysterophorus* L. Tropical Ecology 2021 (Springer). **Impact factor- 1.137**

**02.** Ishfaq Ahmad Wani, Susheel Verma, **Shazia Mushtaq**, Abdul Aziz Abdullah Alsahli, Mohammad Naseer Alyemeri, Mohd. Tariq, Shreekar Pant. (2021). Ecological analysis and environmental niche modeling of *Dactylorhiza hatagirea* (D. Don): A conservation approach for critically endangered medicinal orchid. Saudi Journal of Biological Sciences (2021) (Elsevier). **Impact factor- 4.219**

**03.** Priyanka Kumari, Ishfaq Ahmad Wani, Saijd Khan, Susheel Verma, **Shazia Mushtaq**, Aneela Gulnaz, Bilal Ahmad Paray (2022). Modeling of *Valeriana wallichii* Habitat Suitability and Niche Dynamics in the Himalayan Region under Anticipated Climate Change. Biology (2022, MDPI). **Impact Factor: 5.168**

## **ORIENTATION COURSE ATTENDED:**

1. Attended four week “General Orientation Course” at UGC, HRDC, University of Jammu from 15<sup>th</sup> of December, 2010 to 11<sup>th</sup> of January, 2011.

## **REFRESHER COURSE(S) ATTENDED:**

1. Participated in three week Refresher Course in “Teaching Methodology and Computer Skills” conducted by UGC, ASC, Aligarh Muslim University, Aligarh from 9<sup>th</sup> of May to 29<sup>th</sup> of May, 2013.
2. Participated in three week Refresher Course in “Gender Studies (Interdisciplinary)” conducted by UGC, HRDC, University of Kashmir, Srinagar from 8<sup>th</sup> of March to 28<sup>th</sup> of March, 2018.
3. Participated in online “Refresher Course in Science” conducted by UGC, HRDC, University of Kashmir, Srinagar from 2<sup>nd</sup> of January to 15<sup>th</sup> of January, 2021.
4. Participated in online Refresher Course in “Information Technology (Interdisciplinary)” conducted by UGC, HRDC, University of Kashmir, Srinagar from 23<sup>rd</sup> of February to 8<sup>th</sup> of March, 2022.

## **FACULTY DEVELOPMENT PROGRAMMES ATTENDED:**

1. Attended two week online National Faculty Development Program on “Earth and Environmental Sciences” organised by Department of Environmental Science(GDC, Pampore) in collaboration with UGC, HRDC, University of Kashmir, Srinagar from 29<sup>th</sup> of September to 5<sup>th</sup> of October, 2020.
2. Attended two week Winter School on “Innovation in Science Teaching” organised by Sri Pratap College, (Department of Higher Education), Cluster University, Srinagar from 3<sup>rd</sup> to 17<sup>th</sup> of February, 2021.
3. Attended one week online Faculty Development Programme on “21<sup>st</sup> Century Skills For Teaching and Learning ” organised by the Department of Computer Science and Engineering of GMR Institute of Technology from 16<sup>th</sup> to 20<sup>th</sup> of August, 2022.

4. Attended Eight-Day online Faculty Development Programme on “Research, Publication and Patent in Humanities and Sciences” organised by the Department of English and Other Foreign Languages, SRM Institute of Science and Technology, Ramapuram Campus, Chennai from 22<sup>nd</sup> to 30<sup>th</sup> of August, 2022.

## **WORKSHOPS/CONFERENCES/ SEMINARS ATTENDED:**

1. “4<sup>th</sup> J & K State Science Congress” organised by University of Kashmir, Srinagar, from 12-14 November, 2008.

### **Paper presented:**

**“Development of agrotechniques for the ex-situ conservation of *Picrorhiza kurroa* Royle ex. Benth., A threatened medicinal plant of North West Himalaya”**

2. University Grants Commission sponsored Residential Workshop on “**Capacity Building of Women Managers in Higher Education**” organised by Government College for Women, M.A. Road, Srinagar from 19-23 July, 2011.
3. One Day Conference on “**Green Earth**” organised by Government College for Women, Parade Ground, Jammu on 11<sup>th</sup> Feb, 2012.

### **Paper presented: “Green Wealth of India”**

4. University Grants Commission sponsored State level Seminar on “**Medicinal Plants: Current Status and Future Prospects**” organised by Deptt. of Botany, The Islamia College of Science and Commerce, Srinagar held on 14-15 March, 2012.

### **Paper presented: *Picrorhiza kurroa*, a powerful threatened medicinal herb of Northwest Himalaya”.**

5. National Seminar on “**Advances in Biosciences**” organised by Amar Singh College, Srinagar from 12<sup>th</sup> -13<sup>th</sup> June, 2012.

### **Paper presented:**

**“Conservational Biology of *Picrorhiza kurroa*, an endangered medicinal herb.”**

5. 1<sup>st</sup> J&K Women’s Science Conference “**Women in science: An Initiative for Women Scientists**”, organised by S.P. College, Srinagar on Dec 11-13, 2012.
6. International Conference on “**Regional Development, Sustainability And Socio-Economic Development in J&K**” organised by Amar Singh College held on 5-6 June, 2013.

7. **“National Seminar on Faculty Development in higher Education”** Organised by A.S. College and Government Degree College, Vailoo, on 18<sup>th</sup> of September, 2013.
8. Science Academies’ Lecture Workshop on **“Himalayan Biodiversity And Bioresources: Mapping, Utilization And Conservation”** organised by Department of Botany, University of Kashmir, Srinagar from 8-10 May, 2014.
9. National Symposium on **“Biodiversity, Biology and Bioprospecting”** organised by Department of Botany, University of Kashmir, Srinagar from April 1-2, 2015.
10. Conference on **“Scientific, Social and Economic Dimensions of Climate Change”** organised by University of Kashmir, Srinagar from **Oct 12-14**, 2015.
11. Training Workshop entitled **“Application of open source geospatial tools in ecological niche modeling and widening the utilization of niche models for conservation of threatened plants”** organised by **Centre for Advanced Studies in Botany, NEHU**, Shillong from 21-23 September, 2016.
12. National Training Workshop entitled **“Plant Taxonomy: Principles and Practices”** organised by **Centre for Biodiversity and Taxonomy**, Department of Botany, University of Kashmir, Srinagar from March 27<sup>th</sup> -29<sup>th</sup> , 2017.
13. One day Seminar on **“Role of Educational Institutions in Promoting Women’s Rights”** held on 8<sup>th</sup> of March, 2018 organised by Centre of Women’s Studies and Research in collaboration with Dean College Development Council and Institute of Home Science, University of Kashmir, Srinagar
14. Ist International Conference on **“Recent Developments in Science, Humanities and Management”** held on 17<sup>th</sup>-18<sup>th</sup> April, 2018 at Amar Singh College, Cluster University, Srinagar.
15. Training Workshop entitled **“Workshop on Species Distribution Modelling with MaxEnt and R”** organised by Institute of Biodiversity, Conservation and Training, Bangalore from 15<sup>th</sup>-17<sup>th</sup> February, 2019.
16. Training Workshop entitled **“Workshop on Ensemble Species Distribution Modelling”** organised by Institute of Biodiversity, Conservation and Training, Bangalore from 29<sup>th</sup>-31<sup>st</sup> March, 2019.
17. One day online National Conference on **“Biodiversity Conservation and Sustainable Future”** organised by Govt. SAM Degree College, Budgam and GDC, Pulwama on 6<sup>th</sup> of June, 2020.

18. International Webinar on **“Energy Conservation and Environment”** organized by Academy of EcoScience and Power Ledger, Australia on October 16<sup>th</sup>, 2020.
19. Two day National Open Workshop on **“Getting Aligned to Publishing Process-Scopus and ScienceDirect”** organized by Elsevier on 27-28 September, 2020.
20. **“Ten days workshop on Horticultural Technology”** organised by Department of Botany, S.P. College Srinagar, in Collaboration with SKUAST-K from 3<sup>rd</sup>-16<sup>th</sup> March, 2021.
21. Two week Online Research Orientation Workshop on **“Research Prospectus in The Present Era”** organised by Sri Pratap College, Srinagar from 7th to 22nd March, 2022.
22. Two Day International Web Conference on **“Invest in our Planet”** organized by R&D Cell, Govt. P.G. College, Rajouri and Pir Panjal and Environment and Eco-Development Society, Poonch on 21-22 April, 2022.