

Curriculum -vitae

Dr. Fahima Gul,
Assistant Professor,
Department of Botany, Govt. Degree College Sumbal, District Bandipora
Higher Education Dept. J & K Govt.
Jammu & Kashmir 193501, India.
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Educational profile:

Ph.D (2011)	Department of Botany, University of Kashmir, Srinagar Jammu & Kashmir, India.	Awarded
M.Sc. (2002-2004)	Department of Botany, University of Kashmir, Srinagar Jammu & Kashmir, India.	72.5%
		Gold Medalist
B. Sc. (1998-2002)	Department of Botany, Degree College Nawakadal, Srinagar, University of Kashmir, India.	70.58%

Field of specialization:

- *Plant Physiology and Biochemistry*

Title of Ph.D Dissertation:

- Physiological And Biochemical Changes Associated With Flower Senescence In Some Ornamental Members of Family Amaryllidaceae.

Name of Guide: Prof. Dr. Inayatullah Tahir and Sheikh M. Sultan

Institute: Plant Physiology and Biochemistry Lab, P.G. Dept. of Botany, Kashmir University Hazratbal, 190006 India.

Work experience:

- Currently working as an Assistant Professor in Higher Education Department at Dept. of Botany Govt. Degree College Sumbal from 25th October 2023 till date.
- Worked as an Assistant Professor in Higher Education Department at Dept. of Botany S.P. College. Form 05 July 2017 till 24th October 2023.

Academic Engagements

Currently working as Head Dept. of Botany, GDC Sumbal
Teaching Core and Skill Enhancement Courses at Undergraduate level.
Course Programmes taught at Post Graduate level

Core Programmes

- Plant Physiology
- Applied Crop Physiology
- Ecology
- Taxonomy

Generic and Open Electives

- Urban Ecology
- Bioenergy
- Commercial Floriculture

Co- Curricular engagements

- Convener Institution's Innovation Council, GDC Sumbal
- Co- convener Landscape Committee
- Co-convener Research and Development Committee
- Member IQAC
- Member Eco club
- Member NSS

Research Programmes coordinated at Post Graduate level

- Floriculture: Prospectus of Value Addition and Scenario.
- Post Harvest Studies of Some Cut Flowers of Kashmir Valley.

Technical Skills

- Postharvest Management of Cut Flowers.
- Vase Life Enhancement Techniques.
- Vase Solution Development.
- Senescence Studies
- Physiological Studies.
- Biochemical Analyses.
- Scientific Reviewing.
- Statistical Assessments.

Achievements

- Gold Medal awarded by Kashmir University in PG degree 2004.
 - Kashmir University Research Scholarship at Ph. D level.

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Memberships:

- New Zealand Society of Plant Biologists (NZPBS)

Reviewers:

- Journal of Plant Growth Regulation
- Plant Physiology Reports

Publications:

- 1) **Gul, F.**, Inayatullah Tahir and Shahri Waseem. 2020. Flower Senescence and Some Postharvest Considerations of *Amaryllis belladonna* cut scapes . Plant Physiology Reports. 1-10. Springer India. <https://doi.org/10.1007/s40502-020-00506-8>
- 2) **Gul, F.** Tahir, I. and Shahri W. 2017 Morphological and some Biochemical Aspects of Flower Development and Senescence in *Narcissus poeticus* cv. Pheasant s Eye in International Journal of Advance Research in Science and Engineering 7(4).
- 3) **Gul, F.** Tahir, I. and Shahri W. 2015. Flower Development and Senescence in *Narcissus tazetta* cv. Kashmir Local. Folia Horticulturae. 27/2, 115-121. **ISSN 2083-5965/Refereed/Indexed/International.**
- 4) **Gul, F.** Tahir, I. and Shahri W. 2014. Improvement in Postharvest Performance of cut Scapes of *Nerine sarniensis* cv. Red by the application of growth regulators. International Journal of Postharvest Technology and Innovation. 4(2-4), 103-113. **ISSN 1744-7550/Refereed/Indexed/International.**
- 5) **Gul, F.** Tahir, I. and Shahri W. 2014. Modulation of Senescence and Postharvest Performance in *Narcissus pseudonarcissus* cv. Emperor in response to Cycloheximide Pulse treatment. International Journal of Postharvest Technology and Innovation. 4 (2-4), 194-207. **ISSN 1744-7550/Refereed/Indexed/International.**
- 6) **Gul, F.** and Tahir, I. 2013. An effective protocol for improving vase life and postharvest performance of cut *Narcissus tazetta* flowers. Journal of the Saudi Society of Agricultural Sciences 12: 39-46. **ISSN: 1658-077X/Refereed/Indexed/International.**
- 7) **Gul, F.** Tahir, I. and Shahri W. 2013. Postharvest Dry Storage Treatments Enhance Vase Life of Cut Scapes of *Nerine sarniensis* cv. Red. Proceedings of Natural Academy of Sciences, India, Section. B Biological Sciences. **ISSN 0369-8211/Refereed/Indexed/International.**

- 8) **Gul, F.** and Tahir, I. 2013. Efficacy of STS pulsing and Floral Preservative Solutions on Senescence and Post Harvest Performance of *Narcissus pseudonarcissus* cv. Emperor. Trends in Horticultural Research. 3(1):14-26. **ISSN:1996-0735/Refereed/Indexed/International.**
- 9) **Gul, F.,** Tahir, I. and Rasool, I.U. 2012. Senescence and postharvest performance of cut *Nerine sarniensis* flowers: effect of Cycloheximide. **Int. Jour. Bot.** 8(1): 22-30. **ISSN: 1811-9700/Refereed/Indexed/International**
- 10) **Gul, F.** and Tahir, I. 2012. Effect of Dry and Wet Storage at Cool Temperatures on Postharvest Performance of *Narcissus tazetta* cv. Kashmir Local Flowers. Journal of Horticultural Science & Ornamental Plants 4 (1): 75-83. **ISSN: 2079-2158/Refereed/Indexed/International**
- 11) **Gul, F.** and Tahir, I. 2009. Effect of cool and wet storage on postharvest performance of *Nerine sarniensis* cv. Red scapes. **Acta Hort.** 847: 345-351. **ISSN: 0567-7572/ISBN: 97890 6605 6923/Refereed/Indexed/International**
- 12) Shahri, W., Tahir, I. and **Gul, F.** 2009. Effect of dry and wet storage at cool temperatures on postharvest performance of *Consolida ajacis* cv. Violet Blue spikes. **J. Plant Biol.** 36(1): 5-9. **ISSN: 0972-3862/Refereed/Indexed/National**
- 13) **Gul, F.,** Tahir, I. and Sultan, S.M. 2005. Effect of some polyamines and protein synthesis inhibitors on flower senescence in *Petunia hybrida* Vilm. cv. Tint Cascade. **Oriental Science** 10(2): 117-122. **ISSN: 0971-793X/Non-refereed/ Non-indexed/Local**

Book Chapters

- 1) **Gul, F.** Shahri Waseem and Tahir, I. 2020. Bulbous Ornamentals: Role and Scope in Floriculture Industry in The Global Floriculture Industry. Apple Academic Press. In- press Pub. Date: Sep. 2020.
- 2) Shahri Waseem, **Gul, F.** and Tahir, I. 2020. Ornamental Plants: RSome Molecular Aspects in The Global Floriculture Industry. Apple Academic Press. In- press Pub. Date: Sep. 2020.
- 3) Abbu Zaid, **Gul, F.** Mohammad A. Ahanger and Parvaiz Ahmad. 2018 Silicon Mediated Alleviation of Stresses in Plants Metabolites and Regulation Under Environmental Stress. 377-387 Elsevier Inc.

- 4) Mohammad A. Ahanger, **Gul, F.**, Parvaiz Ahmad and Nudrat A. Akram. 2018. Environmental Stresses and Metabolomics- Deciphering the Role of Stress Responsive Metabolites . Plant Metabolites and Regulation Under Environmental Stress. 53-67. Elsevier Inc.

CONFERENCES/WORKSHOPS/SEMINARS

International

- 1) **Plant Science Central, Plants** for a Brighter Future, Massey University, Palmerston North, **New Zealand** 2-4 July 2019: Poster Presentation Effect of Dry and Wet Storage Systems at Different Temperatures on Postharvest Performance of *Nerine sarniensis* .
- 2) **1st International Conference on Recent Developments in Science, Humanities & Management**, Amar Singh College, Cluster University Srinagar, J&K, **India** 2018 Paper Presented: Morphological and some Biochemical Aspects of Flower Development and Senescence in *Narcissus poeticus* cv. Pheasant s Eye.
- 3) **9th International Symposium on Postharvest Quality of Ornamental Plants** Universities of Aarhus and Copenhagen (Odense) **Denmark** 11-14 Aug. 2008: Effect of cool and wet storage on postharvest performance of *Nerine sarniensis* cv. Red scapes.

National

- 1) National Seminar on Recent Advances in Plant Science Research
University of Kashmir Srinagar 12-14 Oct. 2003
- 2) 2nd J&K Science Congress University of Kashmir Srinagar 25-27 July 2006 (**Paper Presented**)
- 3) 4th J&K Science Congress University of Kashmir Srinagar 12-14 Nov. 2008 (**Paper Presented**)
- 4) National conference on Biodiversity: Present Status and Future Challenges University of Kashmir Srinagar 26-28 March 2009.
- 5) National Seminar on National Resources of the North

- Western Himalaya:
Threats, Evaluation and Conservation. Sri Pratap College, Srinagar,
J&K March 26-27, 2014.
- 6) 10th J&K Science Congress University of Jammu and J & K State Council of Science and Technology, Jammu. March 14-16, 2015.
 - 7) Two Day National Seminar on Himalayan Bioprospection for Sustainable Utilization on 18-19th September 2107, at University of Kashmir, Srinagar.
 - 8) National Level Workshop on Advances in Cell and Molecular Biology a on 27-28th September 2017, at Govt. College for Women, M. A. Road Srinagar.
 - 9) 13th J & K Science Congress, University of Kashmir Srinagar from 2-4 April 2018, presented paper on : Floriculture □ A Sunrise Industry.

Awards Obtained During Symposia:

- Best Poster Presentation Award during National Symposium on Lifestyle Floriculture: Dr. Y. S. Parmar University of Horticulture and Forestry Nauni Solan H.P. (19-21 March 2010).