

# *Curriculum-vitae*

## PERSONAL DETAILS

Name: **Waseem Shahri**  
Parentage: Mohd. Amin Shahri  
Permanent address: 49/6- Shahri House, Kalal Doori Naid Kadal  
District: Srinagar  
State: Jammu and Kashmir  
Pin code: 190 002  
Nationality: Indian  
Marital status: Married

## EDUCATIONAL QUALIFICATIONS [M.Sc (gold medalist); CSIR/UGC-NET (LS & JRF); M.Phil; B. Ed]

<b>B. Sc.</b>	2003	Gandhi Memorial College/ University of Kashmir
<b>M. Sc.</b>	2006	University of Kashmir (Botany) ( <b>Gold medalist</b> )
<b>NET (LS)</b>	2005	Joint CSIR/UGC (Life sciences)
<b>NET (JRF)</b>	2006	Joint CSIR/UGC (Life sciences)
<b>M. Phil.</b>	2010	University of Kashmir (Senescence and Cut flower Physiology)
<b>B. Ed</b>	2011	University of Kashmir

## SHORT-TERM COURSES (online mode through edX learning initiative)

1. **7.00x: Introduction to Biology-The Secret of Life-** Massachusettes Institute of Technology (MIT)-USA (12-weeks; 2014)
2. **AdvBIO.2x: Preparing for the AP Biology Exam, Part 2-Genetics-** Rice university-USA (6-weeks; 2014)
3. **BIOC300.1x: Proteins: Biology's Workforce-** Rice university-USA (4-weeks; 2015)
4. **7.28.1x: Molecular Biology: DNA replication and repair-** Massachusettes Institute of Technology (MIT)-USA (8-weeks; 2015)
5. **MCB63x: Principles of Biochemistry-** Harvard University-(6-weeks, 2015)

6. **7.28.2x: Molecular Biology: Transcription and Transposition-** Massachusetts Institute of Technology (MIT)-USA (6-weeks; 2016)
7. **SNUM1409.000300.1x DNA and Atoms: The Secret of Life-** Seoul National University (SNU)- Korea (4-weeks; 2016)

## POSITIONS HELD

Position held	Name of Organization	Period		Nature of work
		From	To	
Assistant Professor	Higher Education Department, Govt. of J&K	03-07-2017	Till date	Teaching
Lecturer	School Education Department, Govt. of J&K	03-04-2010	03-07-2017	Teaching
Junior Research Fellow (NET-JRF)	University Grants Commission (UGC), India	01-11-2007	31-10-2009	Research on cut flower physiology and postharvest processing of ornamentals

## MAIN RESEARCH FOCUS

- Cut flower physiology
- Postharvest processing of ornamentals (cut flowers)

## TITLE OF M. PHIL DISSERTATION

*“Studies on physiology of senescence and postharvest processing in some select ornamental flowers of family Ranunculaceae”*

## **AWARDS/FELLOWSHIPS**

1. 'Best Disciplined Mentor' in National Intergration Camp- 2022, Kurukshetra Haryana- Nov. 2022
2. Selected at All India level for **Science Academies' Refresher Course** on "Molecular Biology of Cell" 2017
3. **BEST PAPER PRESENTATION AWARD (Poster)** in National Symposium on "Lifestyle floriculture: Challenges and Opportunities" held at DR. Y.S. Parmar University of Horticulture and Forestry, Nauni, Solan (HP) 2010
4. Junior Research Fellowship from University Grants Commission (UGC), India (November 2007- October 2009)
5. Joint **CSIR/UGC- NET (JRF)** in Life sciences 2006
6. Joint **CSIR/UGC- NET (LS)** in Life sciences 2005
7. Kashmir University **Gold medal** for securing first class first position in M. Sc (Botany) on 17<sup>th</sup> Annual Convocation (2010)

## **UGC-CEC SPONSORED E-CONTENTS**

UGC (India) sponsored E-content modules developed in collaboration with Electronic and Multimedia Research Centre (EMMRC), University of Kashmir

1. Physiology of Flowering
2. Beta-Oxidation
3. Dark Phase of Photosynthesis (C<sub>3</sub>, C<sub>4</sub> and CAM pathways)

## **LIVE IN LECTURES DELIVERED THROUGH EDUSAT J&K**

1. Cell Structure of Bacteria
2. Ultrastructure of Biological membranes

## **COMMITTEES IN WHICH WORKED AS A MEMBER/MEMBER SECRETARY/CO-CONVENER/CONVENER**

1. College Canteen Committee (Member)-2017
2. Publication Committee (Member)-2017
3. Purchasing Committee (Member)-2017
4. College Beautification and Landscape Committee (Convener)-2017
5. College Development Committee (Member Secretary)-2018
6. RUSA committee (Member)-2018

7. College Beautification Committee (Convener)-2018
8. Publication Committee (Member)-2018
9. College Canteen Committee (Member Secretary)-2019
10. College Beautification Committee (Member)-2019
11. RUSA committee (Member)-2019
12. College Sports Committee (Member)-2019
13. College Beautification Committee (Member)-2020
14. RUSA committee (Member)-2020
15. College Sports Committee (Member)-2020
16. Eco-club (Member)-2020
17. College Purchasing Committee (Member)-2020
18. NSS Programme Officer (Unit III)-2020
19. Nodal Officer Red Ribbon Club (2020)
20. College Beautification Committee (Member)-2021
21. RUSA committee (Member)-2021
22. Eco-club (Member)-2021
23. NSS Programme Officer (Unit III)-2021
24. Nodal Officer Red Ribbon Club -2021

## PUBLICATIONS

### I. Research Articles

1. **Waseem Shahri**, Inayatullah Tahir, Sheikh Tajamul Islam and Mushtaq Ahmad. 2020. Response of some ornamental flowers of family Ranunculaceae to sucrose feeding. *African Journal of Agricultural Marketing* 8(10): 001-007
2. Fahima Gul, Inayatullah Tahir and **Waseem Shahri**. 2020. Flower Senescence and some postharvest considerations of *Amaryllis belladonna* cut scapes. *Plant Physiology Reports* 25 (2): 315-324. (IF: 1.5)
3. Fahima Gul, Inayatullah Tahir and **Waseem Shahri**. 2018. Morphological and some biochemical aspects of flower development and senescence in *Narcissus poeticus* cv. Pheasant's Eye. *International Journal of Advance Research in Science and Engineering* 7 (Special Issue 4): 1745-1752 (IF: 6.1)
4. Fahima Gul, Inayatullah Tahir and **Waseem Shahri**. 2015. Flower development and senescence in *Narcissus tazetta* 'Kashmir Local'. *Folia Horticulturae* 27 (2): 115-121 (IF: 2.2)
5. Fahima Gul, Inayatullah Tahir and **Waseem Shahri**. 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 (2,3,4): 103-113 (IF: 1.0)

6. Fahima Gul, Inayatullah Tahir and **Waseem Shahri**. 2013. Postharvest dry storage treatments enhance vase life of cut scapes of *Nerine sarniensis* cv. Red. *Proceedings of the National Academy of Sciences India-B-Biological Sciences* 83(4): 505-511 (**IF: 0.396**)
7. Syed Sabhi Ahmad, Inayatullah Tahir and **Waseem Shahri**. 2013. Effect of different storage treatments on physiology and postharvest performance in cut scapes of three *Iris* species. *Journal of Agricultural Science and Technology* 13: 323-331 (**IF: 1.279**)
8. **Waseem Shahri** and Inayatullah Tahir. 2011. Flower development and senescence in *Ranunculus asiaticus* L. *Journal of Fruit and Ornamental Plant Research* (Now *Journal of Horticultural Research*) 19 (2): 123-131 (**SJR: 0.270; SNIP: 0.724**)
9. **Waseem Shahri**, Inayatullah Tahir, Sheikh Tajamul Islam and Mushtaq Ahmad Bhat. 2011. Synergistic effect of STS and cool storage on postharvest performance of cut spikes of *Consolida ajacis* cv. Violet Blue. *Horticulture Environment and Biotechnology* 52 (5): 466-470 (**IF: 2.5**)
10. **Waseem Shahri**, Inayatullah Tahir, Sheikh Tajamul Islam and Mushtaq Ahmad Bhat. 2011. Effect of dry and wet storage at cool temperatures on the post-harvest performance of *Ranunculus asiaticus* L. flowers. *Frontiers of Agriculture in China* 5 (3): 382-387
11. Mushtaq Ahmad Bhat, Inayatullah Tahir, **Waseem Shahri** and Sheikh Tajamul Islam. 2011. Effect of Cycocel and B-nine (growth retardants) on growth and flowering of *Erysimum marshallii* (Henfr.) Bios. *Journal of Plant Science* 6 (1): 95-101
12. **Waseem Shahri**, Inayatullah Tahir, Sheikh Tajamul Islam and Mushtaq Ahmad Bhat. 2011. Effect of ethylene antagonists (STS and AOA) on postharvest senescence of *Ranunculus asiaticus* L. flowers. *Research Journal of Botany* 6 (2): 95-99
13. **Waseem Shahri** and Inayatullah Tahir. 2011. Comparative effect of ethylene antagonists: Silver thiosulphate (STS) and Amino-oxy acetic acid (AOA) on postharvest performance of cut spikes of *Consolida ajacis* cv. Violet blue. *International Journal of Agriculture and food science Technology* 1(2): 103-113
14. **Waseem Shahri** and Inayatullah Tahir. 2011. An effective storage protocol for improving the postharvest performance in cut spikes of *Consolida ajacis* Nieuwl cv. Violet blue. *Scientia Horticulturae* 129: 154-158 (**IF: 3.9**)
15. Sheikh Tajamul Islam, Inayatullah Tahir, **Waseem Shahri** and Mushtaq Ahmad Bhat. 2011. Effect of cycloheximide on senescence and postharvest performance in *Hemerocallis fulva* cv. Royal Crown. *Journal of Plant sciences* 6(1): 14-25
16. **Waseem Shahri** and Inayatullah Tahir. 2011. Physiological and biochemical changes associated with flower development and senescence in *Consolida ajacis* Nieuwl cv. Violet blue. *Frontiers of Agriculture in China* 5 (2): 201-208

17. **Waseem Shahri**, Inayatullah Tahir, Sheikh Tajamul Islam and Mushtaq Ahmad Bhat. 2011. Physiological and biochemical changes associated with flower development and senescence in so far unexplored *Helleborus orientalis* Lam. cv. Olympicus. *Physiology and Molecular Biology of Plants* 17 (1): 33-39 (**IF: 3.4**)
18. **Waseem Shahri** and Inayatullah Tahir. 2011. Effect of cycloheximide on postharvest performance in cut spikes of *Consolida ajacis* cv. Violet Blue. *Journal of Applied Horticulture* 13 (2): 134-138 (**IF: 0.8**)
19. **Waseem Shahri** and Inayatullah Tahir. 2010. Effect of cycloheximide on senescence and postharvest performance of *Ranunculus asiaticus* flowers. *Pakistan Journal of Botany* 42 (5): 3577-3585 (**IF: 1.2**)
20. **Waseem Shahri**, Inayatullah Tahir, Sheikh Tajamul Islam and Mushtaq Ahmad. 2010. Response of some ornamental flowers of family Ranunculaceae to sucrose feeding. *African Journal of Plant Science* 4 (9): 346-352
21. **Waseem Shahri** and Aijaz A Wani. 2010. Allium cepa: Comparative Karyotype analysis. *Oriental Science* 15:(online)
22. **Waseem Shahri**, Inayatullah Tahir and Fahima Gul. 2009. Effect of dry and wet storage at cool temperatures on postharvest performance of *Consolida ajacis* cv. Violet blue spikes. *Journal of Plant Biology* 36 (1-2): 5-9 (**IF: 2.2**)

## II. Review Articles

1. **Waseem Shahri**. 2023. Role of biotechnological interventions in improving the traits of flowering ornamentals. *Asian Journal of Biological Sciences* 16 (3) 366-371
2. **Waseem Shahri**. 2018. Floriculture and its expanding entrepreneur base. *JK Knowledge Initiative* 2 (1): 16-21
3. **Waseem Shahri** and Inayatullah Tahir. 2014. Flower senescence-some molecular aspects. *Planta* 239: 277-297 (**IF: 4.540**)
4. **Waseem Shahri** and Inayatullah Tahir. 2011. Flower senescence: Strategies and some associated events. *Botanical Review* 77 (2): 152-184 (**IF: 4.581**)
5. **Waseem Shahri**. 2011. Senescence: Concepts and Synonyms. *Asian journal of Plant Sciences* 10 (1) 24-28

## III. Book Chapters

1. Burhan Ahad, Waseem Shahri, Humeera Rasool, Z.A. Reshi, Sumaiyah Rasool, Tufail Hassan. 2021. *Medicinal Plants and Herbal Drugs: An overview*. In: Aftab T. Hakeem K.R. (Eds.) **Medicinal and Aromatic Plants**. Springer, Cham. Pp. 1-40  
[https://doi.org/10.1007/978-3-030-58975-2\\_1](https://doi.org/10.1007/978-3-030-58975-2_1)
2. Waseem Shahri, Fahima Gul and Inayatullah Tahir. 2020. *Ornamental Plants: Some Molecular Aspects*. In: Hakeem K.R (Ed.) **The Global Floricultural Industry: Shifting**

- Directions, New Trends and Future Prospects**, AAP, CRC Press, Taylor and Francis Group, pp. 59 - 82
3. Fahima Gul, Waseem Shahri and Inayatullah Tahir. 2020. *Bulbous ornamentals: Role and scope in Floricultural Industry*. In: Hakeem K.R (Ed.) **The Global Floricultural Industry: Shifting Directions, New Trends and Future Prospects**, AAP, CRC Press, Taylor and Francis Group, pp. 15 - 38
  4. **Waseem Shahri**, Inayatullah Tahir and Burhan Ahad. 2014. *Abaca fiber: A renewable bio-resource for industrial uses and other applications*. In: Hakeem, KR, Jawaid, M and Rashid, U (eds.) **Biomass and Bioenergy- Processing and Properties**, Springer, pp. 47-61
  5. Burhan Ahad, Zafar A Reshi, Humeera Rasool, **Waseem Shahri** and A. R. Yousuf. 2014. *Jatropha curcas: a prospective energy crop*. In: Hakeem, KR, Jawaid, M and Rashid, U (eds.) **Biomass and Bioenergy- Processing and Properties**, Springer, pp. 289-306
  6. **Waseem Shahri**, Syed Sabhi Ahmad and Inayatullah Tahir. 2013. *Sugar signaling in Plant growth and development*. In: Hakeem, KR, Rehman RU and Tahir I (eds.) **Plant signalling- Understanding the molecular crosstalk**. Springer, pp. 93-116
  7. Syed Sabhi Ahmad, **Waseem Shahri**, Sheikh Tajamul Islam, Riyaz Ahmad Dar and Inayatullah Tahir. 2013. *Ethylene signaling in plants-An introspection*. In: Hakeem, KR, Rehman RU and Tahir I (eds.) **Plant signaling- Understanding the molecular crosstalk**. Springer, pp. 303-313

#### IV. Books

1. Suzana Bashir, Chesfeeda Akhter, **Waseem Shahri**, Shaista Qadir and Shabana Gulzar. *Flowering Ornamentals for Gardens and Landscaping in Kashmir* (Published by Walnut Publications, New Delhi) -2024
2. **Waseem Shahri**, Aarif Qadir and Chesfeeda Akhter. *Medicinal Botany* (Published by Walnut Publications, New Delhi) -2022
3. **Waseem Shahri** and Aarif Qadir. *Comprehensive Ethnobotany* (Published by Bismah Books Educational Publishers, Srinagar)-2019

#### V. Other articles

1. 'Ethnobotany as a subject' in Rising Kashmir-2019
2. 'Flowers' in **WASTURWAN** (Annual School Magazine of GHSS- Khrew Pulwama) - 2014.

## PRESENTATIONS/ABSTRACTS IN CONFERENCES, SEMINARS AND SYMPOSIA

1. **Waseem Shahri** and Shabana Gulzar. Postharvest Performance of flowers of *Helleborus orientalis* cv. Olympicus as influenced by Exogenous Application of Some Plant Growth regulators as Vase Solutions. In: International Conference on Multidisciplinary Research and Innovation (ICMRI 2024, GCW, M.A. Road Srinagar) 19 – 20 March 2024
2. **Waseem Shahri**. Impact of Migration on the Flora of Kashmir. In: One Day National Conference on “Migration: Global and Local Perspective- Addressing Complex Crisis in the 21<sup>st</sup> Century (Department of Management Studies, University of Kashmir) 11-03-2020.
3. Fahima Gul, Inayatullah Tahir and **Waseem Shahri**. 2018. Morphological and some biochemical aspects of flower development and senescence in *Narcissus poeticus* cv. Pheasant’s Eye. In: Ist International Conference on Recent Developments in Science, Humanities & Management (ICRDSHM-18; Amar Singh College, Srinagar and Conference World) 17 – 18 April 2018
4. Fahima Gul, Inayatullah Tahir and **Waseem Shahri**. 2015. *Amaryllis belladonna*: Flower senescence and some postharvest treatments to improve vase-life of its cut scapes. In: **11<sup>th</sup> J&K Science Congress** (University of Kashmir and J&K State Council for Science and Technology) 12- 14 Oct. 2015, pp. 44
5. Fahima Gul, Inayatullah Tahir and **Waseem Shahri**. 2015. Flower development and senescence in *Narcissus tazetta* cv. Kashmir Local. In: **10<sup>th</sup> J&K Science Congress** (University of Jammu and J&K State Council for Science and Technology) 14- 16 Mar. 2015, pp. 44
6. Riyaz Ahmad Dar, Inayatullah Tahir, Syed Sabhi Ahmad, Shazia Nisar, Shabiya Tariq and **Waseem Shahri**. 2013. Synergistic effect of cool wet storage and protein synthesis inhibitor on the postharvest performance of cut spikes of *Dianthus caryophyllus* L. In: **9<sup>th</sup> JK Science Congress and Regional Science Congress on Innovations and Advances in Science and Technology** (University of Kashmir, J&K Council for Science and Technology and Department of Science and Technology-GOI) 1-3 Oct. 2013, pp. 14-15
7. **Waseem Shahri** and Inayatullah Tahir. 2012. Effect of chemicals and different storage treatments on vase life and postharvest performance of cut larkspur (*Consolida ajacis* cv. Violet Blue) Spikes. In: **8<sup>th</sup> JK Science Congress** (University of Kashmir, J&K State Council for Science and Technology & Department of Science and Technology-GOI) 17-19 Sep. 2012 Abs. 71. pp 48-49



8. Syed Sabhi Ahmad, Inayatullah Tahir, Mohammad Arif, **Waseem Shahri**, Sheikh Tajamul Islam, Mushtaq Ahmad Bhat and Riyaz Ahmad Dar. 2012. Effect of graded concentrations of cycloheximide on postharvest performance of cut scapes of *Iris versicolor* L. In: **8<sup>th</sup> JK Science Congress** (University of Kashmir, J&K State Council for Science and Technology & Department of Science and Technology-GOI) 17-19 Sep. 2012 Abs. 59. pp 41-42
9. Sheikh Tajamul Islam, Inayatullah Tahir, Mushtaq Ahmad, **Waseem Shahri** and Reiaz UI Rehman. 2012. Effect of ethylene antagonists (STS and AOA) and protein synthesis inhibitor (Cycloheximide; CHI) on senescence of isolated flowers of *Ipomoea purpurea*. In: **8<sup>th</sup> JK Science Congress** (University of Kashmir, J&K State Council for Science and Technology & Department of Science and Technology-GOI) 17-19 Sep. 2012 Abs. 82. pp 54-55
10. Mushtaq Ahmad Bhat, Inayatullah Tahir, **Waseem Shahri**, Sheikh Tajamul Islam and Syed Sabhi Ahmad. 2011. Effect of gibberellins and cytokinins on growth and flowering of *Iberis umbellata* L. In: **National Seminar on Sustainable Crop Productivity through Physiological Intervention** (Department of Life Science, Ramnarain Ruia College, Matunga, Mumbai & Indian Society for Plant Physiology, New Delhi) 24-26 Nov. 2011 Abs. 06-04. pp 115
11. **Waseem Shahri**, Inayatullah Tahir, Sheikh Tajamul Islam and Mushtaq Ahmad Bhat. 2010. An effective storage protocol for improving the postharvest performance in cut spikes of *Consolida ajacis* Nieuwl cv. Violet blue. In: **6<sup>th</sup> JK Science Congress** (University of Kashmir, J&K State Council for Science and Technology & Department of Science and Technology-GOI) 2-4 Dec. 2010 Abs. 181. pp 131
12. Mushtaq Ahmad, Inayatullah Tahir, **Waseem Shahri**, Sheikh Tajamul Islam and Syed Sabhi. 2010. Effect of Gibberellins on the growth and flowering of *Iberis umbellata* L. In: **6<sup>th</sup> JK Science Congress** (University of Kashmir, J&K State Council for Science and Technology & Department of Science and Technology-GOI) 2-4 Dec. 2010 Abs. 186. pp 133
13. Syed Sabhi, Inayatullah Tahir, **Waseem Shahri**, Sheikh Tajamul Islam and Mushtaq Ahmad. 2010. Physiological and biochemical changes associated with flower development and senescence in *Iris germanica* L. In: **6<sup>th</sup> JK Science Congress** (University of Kashmir, J&K State Council for Science and Technology & Department of Science and Technology-GOI) 2-4 Dec. 2010 Abs. 211. pp 150
14. **Waseem Shahri**, Inayatullah Tahir, Fahima Gul, Sheikh Tajamul Islam and Mushtaq Ahmad. 2010. Effect of dry and wet storage on postharvest performance of *Ranunculus asiaticus* flowers. In: **National Symposium on Lifestyle Floriculture: Challenges and**

**Opportunities** (Indian Society of Ornamental Horticulture & Dr Y.S. Parmar University of Horticulture and Forestry, Nauni, Solan, HP) 19-21 March 2010 Abs. 6.24. pp. 150

15. **Waseem Shahri**, Inayatullah Tahir, Fahima Gul, Sheikh Tajamul Islam and Mushtaq Ahmad Bhat. 2009. Flower development and Senescence in *Helleborus Orientalis* cv. Olympicus. In: **National Conference on Frontiers in Plant Physiology towards Sustainable Agriculture** (Indian society for Plant physiology & Assam Agricultural University, Jorhat, Assam) 5-7 Nov. 2009 Abs. 10-25. pp. 233
16. **Waseem Shahri**, Inayatullah Tahir and Fahima Gul. 2009. Effect of dry and wet storage at cool temperatures on postharvest performance of *Consolida ajacis* cv. Violet blue spikes. In: **National Conference on Biodiversity: Present Status and Future Challenges** (Department of Botany, University of Kashmir) 26-28 March 2009 Abs. 9. pp 56- 57
17. Fahima Gul, Inayatullah Tahir, **Waseem Shahri** and Sheikh Tajamul. 2009. Flower development and senescence in *Nerine sarniensis* cv. Red. In: **National Conference on Biodiversity: Present Status and Future Challenges** (Department of Botany, University of Kashmir) 26-28 March 2009 Abs. 12. pp 58- 59
18. Sheikh Tajamul, Inayatullah Tahir, Fahima Gul, **Waseem Shahri** and Mushtaq Ahmad. 2009. Physiological and biochemical changes during flower development and senescence in morning glory (*Ipomoea tricolor* cv. Heavenly blue). In: **National Conference on Biodiversity: Present Status and Future Challenges** (Department of Botany, University of Kashmir) 26-28 March 2009 Abs. 15. pp 60- 61
19. **Waseem Shahri**, Fahima Gul and Inayatullah Tahir. 2008. Effect of pretreatment with cycloheximide on postharvest performance of *Consolida ajacis* cv. Blue-violet. In: **4<sup>th</sup> JK Science Congress** (University of Kashmir, J&K State Council for Science and Technology & Department of Science and Technology-GOI) 12-14 Nov. 2008 Abs. 293. pp 177
20. Fahima Gul, Inayatullah Tahir and **Waseem Shahri**. 2008. Effect of Cycloheximide on senescence and postharvest performance of *Nerine sarniensis* cv. Red scapes. In: **4<sup>th</sup> JK Science Congress** (University of Kashmir, J&K State Council for Science and Technology & Department of Science and Technology-GOI) 12-14 Nov. 2008 Abs. 272. pp 165

## **ORIENTATION/REFRESHER COURSES/WORKSHOPS/CONFERENCES ATTENDED**

1. **Refresher Course in Science** (Organized by MMTTC, University of Kashmir) 09-07-2024 to 25-07-2024.

2. **One Week Faculty Induction Program** (Organized by IQAC, GDC Tral) 01-05-2024 to 07-05-2024
3. **NEP-2020 Orientation Programme on the theme ‘Orientation and Sensitization’** (Organized by MMTTC, Aligarh Muslim University) 16-04-2024 to 25-04-2024.
4. **Two Days National Seminar on ‘Technical Terminology in Social Sciences’** (Organized by Commission for Scientific and Technical Terminology (Ministry of Education, Higher education Department, New Delhi, GOI in collaboration with GDC Tral Pulwama) 04-03-2024 to 05-03-2024.
5. **One Week National Integration Camp 2022** at Kurukshetra University, Haryana (organized by Directorate of Higher Education, Haryana and Kurukshetra University) 12-11-2022 to 18-11-2022.
6. **Short Term Professional Development Programme on “Implementation of NEP-2020 for University and College Teachers”** (organized by IGNOU) 27-10-2022 to 05-11-2022.
7. **6-Day Faculty Development Programme on “Social Commitment and Evaluating Impact in Community-Institution Engagement”** (Mahatma Gandhi National Council of Rural Education, Hyderabad in collaboration with National Institute of Technology, Srinagar) 26-09-2022 to 01-10-2022.
8. **One Day Workshop cum Training Programme on “Sustainable Socio-Economic Transformations in Kashmir Valley”** (organized by Department of Botany, GCW, M.A. Road Srinagar in collaboration with Mool Sustainability Research and Training Centre) 08-09-2022.
9. **One Day Seminar on “International Women’s Day”** organized by Govt. College for Women, M.A. Road Srinagar in collaboration with Kashmir Road Safety Foundation and supported by Indian Humanitarian Assistance Foundation and Sughra Foundation, 08-03-2022.
10. **One Week Civil Defence Training** (Directorate of Home Guards, Civil Defence and SDRF J&K) 13-12-2021 to 17-12-2021.
11. **One Week Research Methodology Workshop for Science Scholars** (UGC-HRDC, University of Kashmir Srinagar) 16-11-2021 to 22-11-2021.
12. **Webinar on “Reimagining the global environment to avoid tragedy of commons”** organized by IQAC in collaboration with Department of Botany on 19<sup>th</sup> June 2021.
13. **One Week Training Programme for NSS Program Officers of J&K** (Empanelled Training Institute, NSS, University of Kashmir Srinagar and Ministry of Youth Affairs and Sports, GOI) 01-03-2021 to 07-03-2021.
14. **One Week Faculty Development Programme on “E-learning and Developing MOOCs for Teaching Process in Higher Education”** (Department of Statistics and

IQAC, Hindu College, University of Delhi in collaboration with Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, Teaching Learning Center, Ramanujan College) 14-12-2020 to 20-12-2020.

15. **National Webinar on “Genetic Modification Technology and its Impact in 21<sup>st</sup> Century: Some Insights and Future Prospects”** (Department of Botany, K.M.E Society’s G.M. Momin Women’s College, Bhiwandi, Maharashtra) 07-11-2020.
16. **Webinar on “Basic Practices in Gardening”** (IQAC webinar series, Govt. College for Women, M.A. Road Srinagar) 18-07-2020.
17. **Webinar on “Covid-19 Diagnostic Approaches”** (IQAC webinar series, Govt. College for Women, M.A. Road Srinagar) 18-07-2020
18. **Online Super Session on “Future of Education”** (Skycampus, a digital Initiative of ICT Academy) 18-06-2020.
19. **One Day National Conference on “Migration: Global and Local Perspective-Addressing Complex Crisis in the 21<sup>st</sup> Century** (Department of Management Studies, University of Kashmir) 11-03-2020
20. **One Day Seminar on “Learning Outcomes-based Curriculum Framework (LOCF) for Undergraduate Education in Food Science and Technology”** (Govt. College for women, M.A. Road Srinagar) 03-03-2020.
21. ***Five Day Faculty Development Workshop on “Design, Development and Delivery of Massive Open Online Courses (MOOCs)”*** (J&K Higher Education Department and Govt. College for Women, Parade Ground, Jammu) 15-01-2020 to 19-01-2020.
22. ***2-Days Workshop on “e-learning & Smart Classroom Technology”*** (J&K Higher Education Department in collaboration with NIELIT, Srinagar) 26-12-2019 to 27-12-2019.
23. **One Week Civil Defence Training** (Directorate of Home Guards, Civil Defence and SDRF J&K) 15-07-2019 to 21-07-2019.
24. ***One-Day Workshop on “Gender Sensitization-An Analysis of Male Perception”*** (Department of Sociology and Social Work, Govt. College for Women, M.A. Road Srinagar) 06-10-2018.
25. ***79<sup>th</sup> General Orientation Course*** (UGC-Human Resource Development Centre, University of Kashmir, Srinagar) 25-06-2018 to 24-07-2018.
26. ***1st International Conference on Recent Developments in Science, Humanities & Management*** (ICRDSHM-18; Amar Singh College, Srinagar and Conference World) 17 – 18 April 2018.

27. **5<sup>th</sup> J&K Women Science Congress** (Govt. College for Women, M.A. Road Srinagar and J&K State Science Technology and Innovation Council, DST) 27 – 29 March 2018.
28. **Science Academies Refresher Course on “Molecular Biology of Cell”** (organized by Science Academies’-INSA, IAS and NAS at Department of Biochemistry, University of Kashmir, Srinagar) 23-Oct-2017 to 06-Nov-2017
29. **2-Day National Workshop on Advances in Cell and Molecular Biology** (Department of Biochemistry, Govt. College for Women, M.A. Road Srinagar and Cluster University Srinagar) 27-28 Sep. 2017
30. **11<sup>th</sup> J&K Science Congress** (University of Kashmir and J&K State Council for Science and Technology) 12- 14 Oct. 2015
31. **10<sup>th</sup> J&K Science Congress** (University of Jammu and J&K State Council for Science and Technology) 14- 16 Mar. 2015
32. **9<sup>th</sup> JK Science Congress and Regional Science Congress on Innovations and Advances in Science and Technology** (University of Kashmir, J&K Council for Science and Technology and Department of Science and Technology-GOI) 1-3 Oct. 2013
33. **8<sup>th</sup> JK Science Congress** (University of Kashmir, J&K State Council for Science and Technology & Department of Science and Technology-GOI) 17-19 Sep. 2012
34. **National Seminar on Sustainable Crop Productivity through Physiological Intervention** (Department of Life Science, Ramnarain Ruia College, Matunga, Mumbai & Indian Society for Plant Physiology, New Delhi) 24-26 Nov. 2011
35. **6<sup>th</sup> JK Science Congress** (University of Kashmir, J&K State Council for Science and Technology & Department of Science and Technology-GOI) 2-4 Dec. 2010
36. **National Symposium on Lifestyle Floriculture: Challenges and Opportunities** (Indian Society of Ornamental Horticulture & Dr Y.S. Parmar University of Horticulture and Forestry, Nauni, Solan, HP) 19-21 March 2010
37. **National Conference on Frontiers in Plant Physiology towards Sustainable Agriculture** (Indian society for Plant physiology & Assam Agricultural University, Jorhat, Assam) 5-7 Nov. 2009
38. **National Conference on Biodiversity: Present Status and Future Challenges** (Department of Botany, University of Kashmir) 26-28 March 2009
39. **4<sup>th</sup> JK Science Congress** (University of Kashmir, J&K State Council for Science and Technology & Department of Science and Technology-GOI) 12-14 Nov. 2008

### **Involvement in other activities:**

1. Worked as a member of the organizing committee for **2-Day National Workshop on “Advances in Cell and Molecular Biology”** Organized by Department of Biochemistry and Biotechnology, GCW, M.A. Road Srinagar (27-28 September 2017).
2. Worked as a member of the organizing committee for **“5<sup>th</sup> JK Women Science Congress”** Organized by JK Department of Science and Technology and GCW, M.A. Road Srinagar (27-29 March 2018)
3. Worked as the member of the Organizing committee for **Intercollegiate Badminton Championship Trophy for Men-2020**
4. Worked as a member of organizing Committee for various Departmental activities.
5. Presently Working as Mentor for the students for MOOCs courses (in Botany) on Swayam Portal.
6. worked as Member of Star College Project (DBT, GOI) from 2019 to 2023
7. Worked as NSS Programme Officer (Unit III) June 2020 to December 2022.
8. Worked as Nodal Officer-Red Ribbon Club, from June 2020 to March 2024.
9. Worked as the member of the organizing committee for **Three days Online Workshop on the theme ‘Art of Living: Covid Care Programs’** organized by NSS Wing, GCW, M.A. Road Srinagar in collaboration with The Art of Living, Registered Charitable Trust, Bangalore (21-06-2021 to 23-06-2021)
10. Worked as a member of the organizing committee for **“Iconic Week Celebration”** Organized by GCW, M.A. Road Srinagar (24-10-2021).
11. Worked as a member of the organizing committee for **2-Day Workshop cum Training Programme on “Teaching of Herbarium Techniques”** Organized by Department of Botany, GCW, M.A. Road Srinagar (14-15 December 2021).
12. Worked as a member of the organizing committee for **World Environment Week 2022** Organized by Department of Botany, Environmental Science, Eco-Club and NSS wing (01-06-2022 to 05-06-2022).
13. Worked as a member of the organizing committee for **“One Week Hands on Training Programme in Plant Science for students of selected Hr. Sec. Schools”** Organized by Department of Botany, GCW, M.A. Road Srinagar (06-06-2022 to 11-06-2022).
14. Worked as a member of the organizing committee for **“Two Day National Conference on NEP 2020: Preparedness and Implementation”** Organized by J&K Higher Education Department (27 – 28 June 2022).
15. Worked as a member of the organizing committee for **One Day Workshop cum Training Programme on “Sustainable Socio-Economic Transformations in Kashmir Valley”** organized by Department of Botany, GCW, M. A. Road Srinagar in collaboration with Mool Sustainability Research and Training Centre (08-09-2022).

16. Worked as the member of the organizing committee for **Two Day International Conference on ‘Advances in Computer Science and Technology’** organized by GCW, M.A. Road Srinagar, Cluster University Srinagar (17-03-2023 to 18-03-2023)
17. Worked as the member of the organizing committee for **Two Day International Conference on ‘Gender Sensitization: Rights, Policies and Issues’** organized by Cluster University Srinagar (05-06-2023 to 06-06-2023)
18. Worked as the member of the organizing committee for **NAAC Assessor Orientation Workshop** organized by NAAC Bengaluru at GCW, M.A. Road Srinagar (08-06-2023 to 09-06-2023)
19. Worked as Incharge Botanical Garden, GDC Tral from 20-04-2024 to
20. Worked as the member of the organizing committee for **“One Day Symposium on Plant Wealth of J&K”** organized by Department of Botany, GDC Tral Pulwama (25-04-2024)

#### **Lectures/Invited talks delivered**

1. Delivered a talk on ‘Impact of Fog on Human Health’ in One Day Seminar at GCW, M.A. Road Srinagar on
2. Delivered a talk on ‘Underutilized Herbs of Kashmir’ in One Day Symposium on Plant Wealth of J&K at GDC Tral on 25<sup>th</sup> April 2024
3. Engaged the classes of NSDC skill course Batch 2256369 at GCW, M.A. Road Srinagar (2023)

#### **Minor Projects Completed and coordinated under Star College Scheme at GCW, M.A. Road**

1. Teaching of Herbarium Techniques (2021)
2. Documentation of College Flora (2021)
3. Anatomical Studies of Some Plants within the College Campus (2022)
4. Basic Tissue Culture Techniques (2022)
5. Invitro Techniques in Some Medicinal Herbs of Kashmir (2022)
6. Documentation of Important Cut Flowers (2022)
7. Postharvest Handling of Some Cut Flowers Growing in the College Campus (2022)
8. Basic Techniques of Extraction of Active Compounds from MAPs (2023)
9. Documentation of Some Medicinal and Aromatic Plants of Kashmir Himalayas (2023)