


CURRICULUM VITAE

| Title | Dr. | First Name | Preeti | Last Name | Agarwal | Photograph |
|---|-----|--|--------|-----------|---------|---|
| Designation | | Assistant Professor (Adhoc) | | | |  |
| Address (Office) | | House No-212, Shahpur Jat, New Delhi-110049 | | | | |
| Contact No. (Mobile) | | 9953029826 | | | | |
| Email | | preetiagarwal86du@gmail.com | | | | |
| EDUCATIONAL QUALIFICATIONS | | | | | | |
| Degree | | Institution | | | | Year |
| Ph.D | | Department of plant molecular Biology, South Campus, University of Delhi | | | | 2011-2017 |
| M.Phil | | Department of plant molecular Biology, South Campus, University of Delhi | | | | 2009-2011 |
| M.Sc. | | Ramjas College, University of Delhi | | | | 2007-2009 |
| B.Sc. | | Ramjas College, University of Delhi | | | | 2004-2007 |
| CAREER PROFILE (EMPLOYMENT AND RESEARCH EXPERIENCE) | | | | | | |
| EMPLOYMENT | | | | | | |
| <div><div>1.</div><div>Presently as Adhoc in Gargi College (University of Delhi)(07.09.2017-01.11.2023/till workload permits</div></div> <div><div>2.</div><div>Taught as Assistant Professor as Guest in Miranda House (University of Delhi) August 2018- September 2018</div></div> <div><div>3.</div><div>Guest in Dyal Singh College August 2018-november 2018 (University of Delhi)</div></div> <div><div>4.</div><div>Reviewer of peer reviewed journal (BMC Plant Biology, BMC Genetics, BMC Genomics and Journal of Agricultural Science and Technology)</div></div> | | | | | | |
| RESERCH EXPERIENCE | | | | | | |
| <div><div>1.</div><div>Worked on Functional Characterization of some Heat Stress Associated Transcription Factors (<i>TaHSF</i>, <i>TabZIP</i>, <i>TaZnF</i> and <i>TaMADS</i>) from wheat (<i>Triticum aestivum</i> L.) as Ph.D research topic under the supervision of Prof. Paramjit Khurana, Department of Plant Molecular Biology, South Campus, University of Delhi. 2011-2017</div></div> <div><div>2.</div><div>Worked on analysis of stress responsive microRNA in indica rice cultivar as part of M.phil research topic under the supervision of Dr. Saurabh Raghuvanshi, Department of Plant Molecular Biology, South Campus, University of Delhi. 2009 - 2011.</div></div> <div><div>3.</div><div>Two months summer training under the supervision of Prof. S.C. Bhatla in the field of plant physiology, Department of Botany, University of Delhi (June and July, 2008).</div></div> <div><div>4.</div><div>Short term course on Bioinformatics aspects of proteomics and genomics, IIT, Kharagpur (September, 2008).</div></div> <div><div>5.</div><div>Special Paper of M.Sc. (Final) – Proteomics and Genomics, under the supervision of Dr.</div></div> | | | | | | |

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| Renu Deswal, Department of Botany, University of Delhi. |
| ADMINISTRATIVE ASSIGNMENTS |
| <ol style="list-style-type: none"> 1. Member of staff advisory of GCBS (Gargi College Botanical Society), 2020-22 2. Member of Eco Club 2017-2018; 2021-23 3. Member of garden committee 2022-23 4. Member of Library committee 2022-23 5. Member of Zenith Life Science 2022-23 6. Admission Committee 2022 7. Student mentoring 2021- 2022 8. Member of Committee in compilation of NAAC and AQAR report (2020-2023) 9. Compilation of Golden book, 2018 |
| AREAS OF INTEREST / SPECIALIZATION |
| Plant molecular Biology, Biotechnology, Abiotic stress biology and Transgenics |
| SUBJECT TAUGHT |
| <ol style="list-style-type: none"> 1. Cell and Molecular Biology 2. Plant Physiology 3. Bioinformatics 4. Intellectual Property Rights 5. Biodiversity 6. Environmental Sciences 7. Environmental Biotechnology 8. Industrial Microbiology 9. Economic Botany and Biotechnology 10. Biotechnology 11. Environmental Studies |
| RESEARCH GUIDANCE (UNDERGRADUATE & POST GRADUATE PROJECT) |
| <ol style="list-style-type: none"> 1. Genome wide analysis of ARF Transcription Factor in <i>Triticum aestivum</i> (Completed) 2. Genome wide analysis of EIL Transcription Factor in <i>Triticum aestivum</i> and <i>Brachypodium distachyon</i>. (Completed) 3. Use of biological tools to analyze and interpret biological data. (Submitted) 4. Immunomodulatory Plants and Their Possible Role in the Pandemic of 2020 (Post Graduate) (Published) 5. Public perceptions and experiences with the ongoing COVID-19 immunisation programme in India: A survey-based study (Published) 6. Myths and Misinformation about COVID-19 on Social Media: Insights into Individual Belief (Published) 7. To study restoration of urban degraded lands in Delhi. Post Graduate-IGNOU (Environmental Science) (Completed) 8. Impact of COVID-19 on students, teachers and their relationships: A survey based study. (Completed) |
| PUBLICATION (RESEARCH AND REVIEW PAPER) |
| <ol style="list-style-type: none"> 1. Agarwal P, Khurana P (2020). TaZnF, a C3HC4 type RING zinc finger protein from |

Triticum aestivum is involved in dehydration and salinity stress. J. Plant Biochem. Biotechnol.

2. **Agarwal P**, Khurana P (2019). Functional characterization of HSFs from wheat in response to heat and other abiotic stress conditions. Functional & Integrative Genomics.
3. **Agarwal P**, Baranwal VK, Khurana P (2019). Genome-wide Analysis of bZIP Transcription Factors in wheat and Functional Characterization of a TabZIP under Abiotic Stress. Sci Rep 9:4608
4. **Agarwal P**, Khurana P (2019). Overexpression of *TaMADS* from wheat promotes flowering by upregulating expression of floral promoters and provides protection against thermal stress. Plant Gene 17.
5. **Agarwal P**, Khurana P (2018). Characterization of a novel zinc finger transcription Factor. Cell stress & Chaperones. **23**, 253–267
6. Chauhan H, Khurana N, **Agarwal P**, Khurana P (2013). A seed preferential heat shock transcription factor from wheat provides abiotic stress tolerance and yield enhancement in transgenic Arabidopsis under heat stress environment. *PLoS One*. **8** (11): e79577
7. Mutum RD¹, Balyan SC, Kansal S, **Agarwal P**, Kumar S, Kumar M, Raghuvanshi S (2013). Evolution of variety-specific regulatory schema for expression of osa-miR408 in indica rice varieties under drought stress. *FEBS J*. **280** (7): 1717-30
8. Himanshi , Ishita Debnath , Agarwal P, Soni R, Mishra R, **Agarwal P** (2022). Public perceptions and experiences with the ongoing COVID-19 immunisation programme in India: A survey-based study. Journal of Scientific Temper. 10 (3), 140-161
9. Sinha D, Datta S, Mishra R, **Agarwal P**, Kumari T, Adeyemi SB, Kumar Maurya A, Ganguly S, Atique U, Seal S, Kumari Gupta L, Chowdhury S, Chen JT. Negative Impacts of Arsenic on Plants and Mitigation Strategies. Plants (Basel). 2023 Apr 28; 12(9):1815.
10. **Preeti Agarwal**, Renu Soni, Pritam Kaur, Akanksha Madan, Reema Mishra, Jayati Pandey, Shreya Singh and Garvita Singh. (2022). Cyanobacteria as a Promising Alternative for Sustainable Environment: Synthesis of Biofuel and Biodegradable Plastics, Frontiers in microbiology, 13, 1-25.
11. Renu Soni, Ruchitra Gupta, **Preeti Agarwal** and Reema Mishra*. (2022). Organic Farming: A Sustainable Agricultural Practice, Vantage: Journal of Thematic Analysis, 3(1): 21-44.
12. Avi Mendiratta, Subhi Mendiratta, Akshita Sharma, **Preeti Agarwal**, Reema Mishra, Renu Soni. (2023). Myths and Misinformation about COVID-19 on Social Media: Insights into Individual Belief, Journal of Scientific Research, 67(2).

BOOK CHAPTERS

1. Chapter on “Applications of genome editing techniques for the improvement of medicinal plants” in book- Phytochemical Genomics: Plant Metabolomics and Medicinal Plant Genomics”. Springer Nature, Singapore. 2023
2. Chapter on “Abiotic stress response of a tropical plant: Sugarcane (*Saccharum* species) in Ecophysiology of Tropical Plants Recent Trends and Future Perspectives.” Taylor & Francis Group. 2023
3. Chapter on “Cyanobacteria as a promising bio resource for application in sustainable agriculture, medicine and green technology”. Nova Science publisher, 2022

4. Chapter on “Potential immunity boosting plant candidates effective against SARS-CoV-2” in book-medicinal plants: Ethnomedicine, Pharmacognosy and therapeutic values, Anu Books, 2022
5. Chapter on “Utility of Probiotics in Aquaculture”. in Microbial Products CRC Press, 2022
6. Chapter on “Plant nutraceuticals: An Emerging Approach for Better Health Management”. in Handbook of Agriculture & Plant Sciences (ABS books publisher), 2021
7. Chapter on “Common Indian Medicinal Plants with Antidiabetic Potential” in Handbook of Agriculture & Plant Sciences (ABS books publisher), 2021
8. Chapter on “Genomics, Physiology and Molecular Breeding Approaches for Improving Crop Productivity under Salt Stress: Progress and Prospects, Salt Stress Responses in Plants: Perception, Signaling, Omics and Tolerance Mechanisms, Nova Science Publishers, 2021

Reviewed several Research Articles of BMC Plant Biology/ BMC Genetics/ BMC Genomics/ Plant Physiology and Biochemistry/ Journal of Agricultural Science and Technology 2018-23

1. Extreme environmental adaptation mechanisms of Antarctic bryophytes are mainly the activation of antioxidants, secondary metabolites and photosynthetic pathways. BMC Plant Biology. (2023)
2. AeWRKY32 from okra regulates anthocyanin accumulation and cold tolerance in *Arabidopsis*. Plant Physiology and Biochemistry. (2023)
3. A maize heat shock factor ZmHsf11 negatively regulates heat stress tolerance in transgenic plants. BMC Plant Biology. (2022)
4. A systematical genome-wide analysis and screening of WRKY transcription factor family engaged in abiotic stress response in sweetpotato. BMC Plant Biology. (2022)
5. Genome-wide survey and expression analysis of GRAS transcription factor family in sweetpotato provides insights into their potential roles in stress response. BMC Plant Biology. (2022).
6. Genome-wide identification, phylogenetic analysis, and expression profiles of trihelix transcription factor family genes in quinoa (*Chenopodium quinoa* Willd.) under abiotic stress conditions. BMC Genomics. (2022)
7. Proteomic analysis of leaves and roots during drought stress and recovery in *Setaria italica* L. BMC Plant Biology. (2022)
8. Genome-wide identification of the Dof gene family in Tartary buckwheat (*Fagopyrum tataricum*) and its expression pattern analysis after exogenous hormone stimulation. BMC Plant Biology. (2021)
9. CgbZIP1, a bZIP transcription factor from *Chrysanthemum grandiflora* confers plant tolerance to salinity and drought stress. BMC Plant Biology. (2021)
10. Transcriptome Sequencing and Differential Expression Analysis reveal Molecular Mechanisms for seed Starch Accumulation in Chinese Chestnut *Metaxenia*

- BMC Genomics. (2021)
11. Characterization of cotton ARF factors and the role of GhARF2b in fiber development. BMC Genomics. (2021)
 12. Comparative genomics analysis reveals the adaptive contraction and expansion of resistant gene families in Salicaceae. BMC Genomics. (2020).
 13. Transcriptomic analysis of α -linolenic acid content and biosynthesis in *Paeonia ostii* fruits and seeds. BMC Genomics. (2020)
 14. The alcohol dehydrogenase gene family in sugarcane and its involvement in cold stress regulation. BMC Genomics. (2020).
 15. Phytohormone and integrated mRNA and miRNA transcriptome analyses and differentiation of male between hermaphroditic floral buds of androemoneocious *Diospyros kaki* Thunb. BMC Genomics. (2020)
 16. Genome-wide Identification and Expression Analysis of AP2/ERF Transcription Factors in Sugarcane (*Saccharum spontaneum* L.). BMC Genomics (2020)
 17. Physiological and transcriptomic analyses reveal the roles of secondary metabolism in the adaptive responses of Stylosanthes to manganese toxicity. BMC Genomics (2020)
 18. Phylogenomic analysis and characterization of Cytochrome P450 gene family in traditional Chinese herb Dendrobium officinale'. BMC Genomics (2020).
 19. Genome-wide mining of wheat B-BOX Zinc finger gene family provides new insights into light stress responses". Crop & Pasture Science (2020)
 20. Genome-wide characterization and functional analysis of cucumber BPC transcription factors in response to abiotic stresses and exogenous phytohormones. BMC Plant Biology. (2019)
 21. Transcriptome reprogramming by modulating the expression of the NADPH oxidase gene RbohB in Phaseolus vulgaris roots following Rhizobium tropici and Rhizophagus irregularis inoculation. BMC Genomics. (2019).
 22. Genome Wide Association Studies for Four Physiological Traits in Groundnut (Arachis hypogaea L.) Minicore Collection for BMC Genomics. (2019)
 23. Integrated analysis of the physiology, RNA, and microRNA involved in black locust (Robinia pseudoacacia) rejuvenation for BMC Genomics. (2019)
 24. Comprehensive analysis of the differentially expressed receptor- like kinase genes in responding to pollination in A. thaliana and B. napus for BMC Genomics. (2019)
 25. Physiological and molecular mechanism underlying maize inbred line Huangzaosi better tolerance to heat stress than Lv-9-Kuan at seedling stage for BMC Genomics. (2019)
 26. Transcriptome Analysis of Dehydration Response in Wheat (Triticum aestivum L.): Identification of Novel Transcripts Induced by Dehydration. Journal of Agricultural Science and Technology. (2019)
 27. Genome-Wide Identification, Structural Analysis and Gene Expression Analysis of the bZIP Transcription Factor Family in Ipomoea trifida. BMC Genetics. (2018).

REFRESHER COURSE/ORIENTATION PROGRAMME/FACTY DEVELOPMENT PROGRAMMES ATTENDED:

1. Participated in the FDP on “Biotechnology for 21st Century” organized by Marian Star Centre PG and Research Department of Botany St. Mary’s College (Autonomous), Thoothukudi, Tamil Nadu, 19- 24.07.2021
2. One week National Level Faculty Development Programme on “Transformation in Indian Education through New Education Policy- Challenges and Opportunities” organized by Government First Grade College for Women, Balmatta, Mangaluru in association with St Aloysius College (Autonomous), Mangaluru from 05-11.07.2021
3. Three days Faculty Development Programme “Digital Tools For Active Teaching, Evaluation and Research” organized by the Department of Chemistry, Shri GVG Vishlakshi College for Women from 28- 30.06.2021
4. Participated and successfully completed the RDP 2021 - Five Days Research Development Programme For Faculty in Recent Trends organized by SRM Institute of Science and Technology Ramapuram Campus from 09-13.08.2021
5. Participated in the online FDP on “Research Proposal to Patenting - A Road Map” jointly organized by Internal Quality Assurance Cell [IQAC] & PG and Research Department of Biochemistry, Srimad Andavan Arts and Science College (Autonomous), Tiruchirappalli - 620005, held from 25-27th August 2021.
6. Participated in the 5 days national level virtual faculty FDP on Fundamentals on Research Article Publication organized by Tolani Institute of Commerce Adipur –Kachchh 12-16.07.21.
7. Participated in the national level 5-day FDP on Recent Technological Advancement in life Sciences organized by Bhavan’s Vivekanand College on 15-19.11.21
8. Participated in one week online FDP on Learning through virtual labs for technical Institutions organized by Institute of Engineering and Technology, Surathkal, 18-22.10.21
9. Participated International Faculty Development programme on ‘Biological and Industrial Application’ organized by PG & Research Department of Microbiology, Idhaya college for women, Kumbakonam. 02.08.20-06.08.20
10. One Week Online Faculty Development Programme on “Research Methodology: Tools & Techniques” under Pandit Madan Mohan Malviya National Mission on Teachers and Training Scheme of MHRD, Govt. of India held from 5th-11th June, 2020 at ARSD College, University of Delhi.
11. Participated in Faculty Development Programme “Innovation in Scientific Research Methods” held from 14-18 October 2020 under ageis of DBT star college scheme 2019-2020 by Kirori Mal College.

PAPERS/ POSTER PRESESENATION/ RESOURCE PERSON IN INTERNATIONAL/NATIONAL CONFERENCES/SEMINARS/SYMPOSIA

PAPER PRESENTATION

1. Presented **two papers** in the National Conference on “Realms of Plant Diversity: Explorations with Novel Perspective”, organized in virtual mode by the Department of Botany, Maitreyi College, on August 24, 2021 and **secured 2nd position** in the Technical Session A.
2. Presented **two papers** in First International Conference (Online) on Recent Approaches in Plant Sciences- 2022, Department of Botany University of Education, Lahore,

POSTER PRESENTATION

3. **Poster presentation** “Characterization of a Novel Zinc Finger Transcription Factor (TaZnF) from Wheat Conferring Heat Stress Tolerance in Arabidopsis”. Agarwal P, Khurana P (2015). 3rd International Plant Physiology Congress on Challenges and Strategies in Plant Biology Research, held at New Delhi, India.
4. **Poster presentation** on “Polyhydroxyalkanoates: A Substitute for the Conventional Petro-based Plastics”. Harshita Agrawal, Preeti Agarwal, Reema Mishra and Renu Soni* at An International Conference on Genetics and Genomics Technologies for Crop Improvement: GGTCI-2021, 1-3 Aug, 2021, Organized by Department of Botany, Hansraj College, University of Delhi in association with International Wheat and Maize Improvement Centre (CIMMYT), Mexico at Hansraj College, International conference 2021
5. **Poster presentation** on “Genome editing techniques: applications, advantages and disadvantages”. Himanshi, Dr. Renu Soni, Dr. Preeti Agarwal* at An International Conference on Genetics and Genomics Technologies for Crop Improvement: GGTCI-2021, 1-3 Aug 2021, Organized by Department of Botany, Hansraj College, University of Delhi in association with International Wheat and Maize Improvement Centre (CIMMYT), Mexico at Hansraj College, International conference 2021

RESOURCE PERSON

6. **Resource person** at intercollege workshop on "laboratory methods and techniques" held on 10th December 2019 at Gargi College.
7. **Resource person** in computer workshop organized on 5th May 2018 in Gargi College on basics of computer learning.

CONFERENCE/SEMINARS/SYMPOSIA/WEBINARS/PRESENTATIONS/ORGANIZATION

1. **Member of organizing committee** Training series on Biocomposting Methods, 2023
2. **Member of organizing committee** for Inter-college Add on Course on Advances on Plant Sciences, 2022-23
3. **Member of organizing committee** for Management counseling invite event: B- Field Insider 2023
4. **Member of organizing committee** for Alumni Interaction session with B.Sc (H) Botany, batch 2021-22, 2023
5. **Member of organizing** of Alumni lecture series 2021-22
6. **Member of organizing committee** for Virtual Alumni meet 2021-22
7. **Member of organizing committee** in the one day webinar on Floral Gardening Skills organized by Garden Committee and department of botany, Gargi College, University of Delhi, New Delhi, 19 July 2021
8. **Member of organizing committee** in the National Virtual Workshop on “Create Your Own Garden” organized by Garden Committee, Gargi College, University of Delhi, New Delhi from 5 to 7th November, 2020.
9. **Convener/Organizer** in the One Day National Webinar on “Virtual Classes Tools:

Google Classroom, Google Meet and YouTube” organized by botany department Gargi College, 11th May, 2020.

10. Conducted various lectures and competitions as member of GCBS 2020-2022.

WORKSHOP/TRAINING PROGRAMME ATTENDED

1. Online workshop on CRISPR mediated plant genome organized by Shivaji College, the global plant council; ICAR National Rice Research, Cuttack; SGT University Gurugram, 27 September -1 October 2021
2. Two days National Virtual Hands-On Workshop on “Tools Used in Biostatistics Research and Teaching”, organized by Department of Botany, Ramjas college, University of Delhi, 13-14 August, 2021.
3. Two days Workshop on "Designing and Development of e-Resources for Teaching and Learning - Part II" organized by Department of Computer Science and Department of Chemistry Rajdhani College, University of Delhi, 23-24 July, 2021
4. Attended in one Week Online Workshop on "E content Development" organized by Department of Humanities, at Bharat Institute of Engineering and Technology (BIET), Hyderabad, 24th February, 2021 - 1st March 2021
5. Attended 7 Days National workshop on ‘NAAC: Seven Assessment Criteria for Accreditation’ organized by Govt. Post Graduate College, Bilaspur, Rampur (UP), 2-8 August, 2020.
6. Attended in online 5 days National Workshop on Research Methodology", Amarkantak MP from 26.06.20-30.06.2020
7. Attended in workshop on “Recent Trends In Plant Systematics and Future Prospects” organised by Department of Botany, Dyal Singh College, University of Delhi, March 12, 2019
8. Attended in workshop on “Multidisciplinary National Conference on “Emerging Trends in Tertiary Education: Assessing Challenges and Possibilities, 29- 30 march 2019.

CONFERENCE/WEBINAR/ SEMINAR/ TRAINING PROGRAM (NATIONAL AND INTERNATIONAL) ATTENDED

1. Attended Two-Day International Multidimensional Conference on "Revisiting Wellbeing: Perspectives, Challenges, and the Road Ahead", under the aegis of DU Centenary Celebration, February 1-2, 2023.
2. Attended IPR awareness/training program under the special mission called “National Intellectual Property Awareness Mission (NIPAM)” at Maitreyi College University of Delhi, 13 Jan 2023.
3. Attended Webinar “The Nomenclatural Code And It's Relevance To Fungi” organized by Department of Botany, Sri Aurobindo college, 4 May 2020.
4. Attended One Day National Webinar titled “Open Educational Resources” organized by Department of Chemistry, Gargi College, May 21 2020.
5. Attended National Webinar on “Entrepreneurship Aspects on Biodiversity Conservation and Indigenous Healing Practices of Northeast India" organized by IBSD Centre, Kalindi

College, June 2, 2020.

6. Attended webinar on “Biodiversity and Man” organized by the Department of Botany, Dyal Singh College, University of Delhi, in collaboration with Society for Ecological Research and Natural Resources Management (SERNRM), June 5, 2020.
7. Attended Two Day Webinar on "Plant Biology: A journey From Earth To Space" organized by the Department of Botany, Ramjas College, University of Delhi, Delhi, India on 22 – 23 May 2020.
8. Attended webinar on Biodiversity and public health, by Prof. C.R Babu, FANSC, Professor Emeritus, BY eco club, Shivaji College, 19 May 2020.
9. Attended International webinar on Biodiversity and Environmental Health (IWBEH 2020) by Department of Environmental Studies. Shivaji College (University of Delhi), 20 May, 2020.
10. Attended two day International webinar jointly organized by Department of Chemistry & Biomedical Science of BCAS on “Prevalent crisis triggered by the covid19 pandemic and its appraisal” 18-19th May 2020.
11. Attended National webinar on “Ecological Revival during Pandemic” by Department of Chemistry of BCAS, May 2020.
12. Attended national webinar on ‘Economic crisis and its readdressal during pandemic organized by Department of Chemistry of BCAS, 15th May 2020.
13. Attended webinar on topic “E- content: Design and Delivery” by ARSD College, Dhaula Kuan, 15 May 2020.
14. Attended National Webinar on “Entrepreneurship Aspects on Biodiversity Conservation and Indigenous Healing Practices of Northeast India" organized by IBSD Centre, Kalindi College, June 2 2020.
15. Attended International webinar on Biodiversity and Environmental Health (IWBEH 2020) Department of Environmental Studies. Shivaji College (University of Delhi), 20 May 2020.
16. Attended two day International webinar jointly organized by Department of Chemistry & Biomedical Science of BCAS on “Prevalent crisis triggered by the covid19 pandemic and its appraisal”. 18-19 May 2020.
17. Attended International Symposium on topic “Role of Plants as Medicine and Immunity Booster with Special Reference to COVID-19 Pandemic” by Department of Botany. Sri Guru Tegh Bahadur Khalsa College Jabalpur, 26-27 May 2020
18. Attended International Webinar on "Environment Gender and Climate Change", organized by the Department of Botany, Shivaji College, University of Delhi, under the aegis of DBT - Star College Scheme, July 28 2020
19. Attended International Webinar on “Recent Trends in Systematics Biology” by Government Post Graduate College Nagnath-Pokhari (Chamoli), Dept. of Higher Education, Uttarakhand, 28 July 2020
20. Attended National Webinar on ‘Covid–19: Herbs and Nutraceuticals for Strengthening Immunity’ by Society of Pharmaceutical Sciences and Research (SPSR), 23July 2020.
21. Attended International Webinar on “Recent Perspectives in Biology” by the Department

of Zoology, Sri GVG Visalakshi College for Women (Autonomous), Udumalpe. 15-17 June 2020.

22. Attended National Webinar on "Herbal Excipients in Finished Pharmaceutical Products - A New Venture" by Bharati Vidyapeeth's College of Pharmacy, Navi Mumbai in collaboration with NATUCARE INDIA, Mumbai, June 21 2020.
23. Attended National Webinar on Biodiversity and Conservation (NWBC 2020) by the Department of Botany, Daulat Ram College, University of Delhi, 8 June 2020.
24. Attended webinar on 'IPR: Converting Intellect into Money' organized by IQAC and Department of Commerce, D. B. J. College, Chiplun, 27th June 2020.
25. Attended National Webinar on antiviral and immunostimulant agents from medicinal plants organized by IQAC, Dept. of Botany, Raja Lakhamagouda, 22 June 2020.
26. Attended National webinar on 'Legume Diversity in India' organized by Society for Ecological Research and Natural Resources Management (SERNRM) on June 30 2020.
27. Attended online-seminar on Genomic assisted breeding for chickpea improvement Organized by Bioingene, 1 July 2020
28. Attended webinar on ' Symbiosis: When living together is a win- win' organized by the International Symbiosis Society through zoom application. International Symbiosis Society, July 30 2020.
29. Attended three day National Seminar, by Commission of Scientific and Technical Terminology (CSTT), MHRD, Govt. of India entitled "Use of scientific & technical terminologies in sustainable environment development, its challenges, computational analysis and opportunities". Gargi College, University of Delhi. 14-16 March 2019.
30. Attended NAAC sponsored national seminar on "Mentoring the Teacher-Mentor: Capacity building programme organized by internal quality assurance cell (IQAC) of Gargi college, on 19-20 January, 2018.
31. Attended the 2nd Task Force meet under star college scheme on 8th and 9th may, 2018 held at Gargi College, New Delhi.

AWARDS/DISTINCTIONS/FELLOWSHIP

1. Qualified CSIR NET - JRF held on 20-06-2010
2. Topper of the M.Sc. Botany (2007-2009), Ramjas College, University of Delhi.

EXTERNAL EXAMINER AND PAPER SETTING

1. **External examiner** by Hindu College for the B.Sc. (H) Botany, VI Semester Bioinformatics, practical paper on May 2 & 8, 2023.
2. **External examiner** by Acharya Narendra Dev College for B.Sc. Programme in Life Sciences, Cell and Molecular Biology Practical on November 18, 2022 Morning and Evening
3. **External examiner** by Maitreyi College for the B.Sc. Life Sciences, VI Semester Economic Botany and Biotechnology, practical paper on April 27, 2022.
4. **External examiner** by Dyal Singh College for the B.Sc. (Hons) IV Semester, Molecular Biology practical paper on April 27, 2018 Morning and Evening session.
5. **External examiner** in Miranda House for practical examination for paper Reproductive

Biology of Angiosperms on 22-23 November 2017.

6. **Paper setting for** Bioinformatics theory paper for May /June 2022 and August 2022.
7. **Paper setting for** Biodiversity (convenor) for theory paper on November/December 2022.
8. **Paper setting for** Environmental Biotechnology theory paper 2020.
9. **Paper setting for** B.El.Ed theory paper, 2018.

OTHER ACTIVITIES

Field Survey and Trips organized for students

1. Industrial visit to Yakult Dannone, Sonipat, Haryana (For industrial microbiology paper, Gargi College 2019) Apr 15, 2019 at 11:00 AM. III year Botany (Honours) for the paper on Industrial and Environmental Microbiology. 54 students
2. Excursion to Manali 2017