

**Dr. Pooja Jha Maity**

Assistant Professor

Department of Botany

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**Teaching experience at University of Delhi:**

- **Assistant Professor** in the Department of Botany, **Hansraj College**, University of Delhi. (7<sup>th</sup> October 2022- till date)
- **Assistant Professor** in the Department of Botany, **Ramjas College**, University of Delhi. (5<sup>th</sup> January 2017- 6<sup>th</sup> October 2022)
- **Assistant Professor** in the Department of Botany, **Miranda House**, University of Delhi. (20<sup>th</sup> July 2016 – 19<sup>th</sup> November 2016)
- **Departmental Research Associate** in the **Department of Botany**, University of Delhi. (13<sup>th</sup> July 2015 – 12<sup>th</sup> July 2016)

**Teaching experience at Stockholm University:**

- Taught undergraduate students in **fall term 2013** at **Department of Ecology, Environment and Plant Sciences**, Stockholm University, SE-106 91 Stockholm, Sweden

**Researcher Positions:**

- **March 2013-April 2015:** Worked as post-doctoral fellow with Prof. Katharina Pawlowski at Department of Ecology, Environment and Plant Sciences, **Stockholm University**, SE-106 91 Stockholm, Sweden, on project: Regeneration and genetic transformation of the actinorhizal plant *Datisca glomerata*. (Financed by **Carl Tryggers Stiftelse**).
- **April 2012 – February 2013:** Worked as visiting research fellow with Prof. Sylvia Lindberg at Department of Ecology, Environment and Plant Sciences, **Stockholm University**, SE-106 91 Stockholm, Sweden, on projects:
  1. Adaptive mechanisms for cytosolic sodium homeostasis in wheat and faba bean.
  2. Influence of silicon on cadmium-uptake by wheat leaf protoplasts.

**Academic qualifications:**

**Doctor of Philosophy** (Botany): April 2006 - December 2011. **Degree awarded: January 2012.** Department of Botany, University of Delhi, Delhi 110 007, India.

Supervisor: Professor Vishnu Bhat

PhD thesis title: *In vitro* genetic manipulation of *Pennisetum glaucum* (L.) R. Br.

**Master of Philosophy** (Botany): September 2004 - March 2006 (Marks obtained: **78%**/1st Division). Department of Botany, University of Delhi, Delhi 110 007, India.

Supervisor: Professor Vishnu Bhat

Title: *In vitro* plant regeneration through somatic embryogenesis and direct shoot organogenesis in *Pennisetum glaucum* (L.) R. Br.

**Master of Science** (Plant Science): July 2002 - May 2004 (Marks obtained: **76%**/1st Division) Department of Biosciences and Biotechnology, Banasthali Vidyapith, Rajasthan, India.

**Bachelor of Science** (Botany Hons.) July 1997- June 2001 (Marks obtained: **73%**/1st Division) St. Columba's College, Vinoba Bhave University, Hazaribagh, Jharkhand, India

### **Fellowships and Awards:**

**Qualified 'National Eligibility Test'** conducted by Council of Scientific and Industrial Research - University Grant Commission (CSIR-UGC; India) for CSIR Junior Research Fellowship and Lectureship in Life Sciences in June 2005

**Awarded Junior Research Fellowship** from CSIR (Jan 2006)

**Awarded Senior Research Fellowship** from CSIR (Feb 2008)

### **Publications**

#### **Published in journals:**

1. Marco Guedes Salgado, Irina V. Demina, **Pooja Jha Maity**, Anurupa Nagchowdhury, Andrea Caputo, Elizaveta Krol, Christoph Loderer, Günther Muth, Anke Becker and Katharina Pawlowski (2022) Legume NCRs and nodule-specific defensins of actinorhizal plants—Do they share a common origin? PLoS ONE 17(8): 1-24 e0268683. <https://doi.org/10.1371/journal.pone.0268683>
2. **Pooja Jha Maity** and Katharina Pawlowski (2021) Anthropogenic influences on the distribution of the Casuarina-Frankia symbiosis. Symbiosis: 84:353–367.
3. Irina V. Demina, **Pooja Jha Maity**, Anurupa Nagchowdhury, Jason L. P. Ng, Eric van der Graaff, Kirill N. Demchenko, Thomas Roitsch, Ulrike Mathesius and Katharina Pawlowski (2019). Accumulation of and Response to Auxins in Roots and Nodules of the Actinorhizal plant *Datisca glomerata* Compared to the Model Legume *Medicago truncatula*. **Frontiers in Plant Science**. 10: 1085 doi: 10.3389/fpls.2019.01085
4. Bharti Chaudhry, Suresh Kumar, Anupama Tiku and **Pooja Jha Maity** (2019). Micropropagation of a medicinally important plant: *Bacopa monnieri*. **Medicinal Plants** Vol. 11 (2): 177-182
5. Pankaj Kumar Agnihotri, **Pooja Jha Maity**, Krishna K. Dwivedi and Vishnu Bhat (2018). Isolation of *Nucellin* gene promoter from *Hordeum vulgare* and its characterization in *Arabidopsis thaliana*. **The International Journal of Plant Reproductive Biology** 10 (2):151-156.
6. Sherif H. Morgan, Sylvia Lindberg, **Pooja Jha Maity**, Christoph-Martin Geilfus, Christoph Plieth, and Karl-Hermann Mühling. 2017. Calcium improves apoplastic-cytosolic ion homeostasis in salt-stressed *Vicia faba* leaves. **Functional Plant Biology** 44:515-524.

7. **Pooja Jha Maity**, Shashi, Vishvas M. Kulkarni and Vishnu Bhat (2016). Thidiazuron-induced multiple shoot regeneration and *in vitro* flowering in *Pennisetum glaucum* (L.) R. Br. **Phytomorphology** 66(1 & 2): 45-50
8. Maria Greger, Ahmad H. Kabir, Tommy Landberg, **Pooja Jha Maity**, Sylvia Lindberg (2016). Silicate reduces cadmium uptake into cells of wheat. **Environmental Pollution** 211: 90-97
9. Sherif H. Morgan, **Pooja Jha Maity**, Christoph-Martin Geilfus, Sylvia Lindberg and Karl Hermann Mühling (2014). Leaf ion homeostasis and plasma membrane H<sup>+</sup>-ATPase activity in *Vicia faba* change after extra calcium and potassium supply under salinity. **Plant Physiology and Biochemistry** 82: 244-253
10. **Pooja Jha**, Shashi, Anjana Rustagi, Pankaj Kumar Agnihotri, Vishvas M. Kulkarni and Vishnu Bhat (2011). Efficient *Agrobacterium*-mediated transformation of *Pennisetum glaucum* (L.) R. Br. using shoot apices as explant source. **Plant Cell Tissue and Organ Culture** 107: 501-512
11. **Pooja Jha**, Chandra Bhan Yadav, Vanamala Anjaiah and Vishnu Bhat (2009). *In vitro* plant regeneration through somatic embryogenesis and direct shoot organogenesis in *Pennisetum glaucum* (L.) R. Br. **In vitro Cellular and Developmental Biology -Plant** 45: 145-154.
12. Chandra Bhan Yadav, **Pooja Jha**, C Mahalakshmi, Vanamala Anjaiah and Vishnu Bhat (2009). Somatic embryogenesis and regeneration in apomictic and sexual genotypes of *Cenchrus ciliaris* from immature inflorescence explants. **Biologia Planatarum** 53: 603-609.

#### Articles/Abstract in Proceedings:

1. **Pooja Jha Maity**, Siddhant Pandey, Nitika Sehra, Nisha Choudhary, Suman Sharma, 2021, Induced Polyploidy: A promising tool in crop improvement. Proceeding of **International Conference on Genetics and Genomics Technologies for Crop Improvement: GGTCI-2021**. Organized by Department of Botany, Hansraj College, University of Delhi in association with International Wheat and Maize Improvement Centre (CIMMYT), Mexico. 1-3<sup>rd</sup> Aug 2021. pp.23
2. Shashi, **Pooja Jha Maity** & Vishnu Bhat, 2016, Direct plant regeneration from *in vitro* derived shoot apical meristems of apomictic *Dichanthium annulatum* and *Pennisetum pedicellatum*. Proceeding of National conference on **Plant Science Research: Looking Beyond 21<sup>st</sup> Century for Environmental & Agricultural Revolution**. Department of Botany, University of Delhi, Feb 5<sup>th</sup> -7<sup>th</sup> 2016, New Delh, pp.96
3. Tommy Landberg, **Pooja Jha Maity**, Maria Greger & Sylvia Lindberg, 2014, Cadmium uptake in wheat protoplast is reduced by silicon. Proceeding of **6th International Conference on Silicon in Agriculture**, 26-30 August 2014, Stockholm Sweden. (Oral presentation no. 41) pp. 112
4. **Pooja Jha**, V.M. Kulkarni, V.V. Bhavsar, H.T. Patil & Vishnu Bhat, 2008, *In vitro* plant regeneration via somatic embryogenesis, organogenesis and Agro- and biolistic transformation in Pearl millet [*Pennisetum glauum*], Proceeding of 2<sup>nd</sup> International conference on "Trends in cellular and molecular biology", held at School of Life

- Sciences, Jawaharlal Nehru University, New Delhi, India from January 5-7, pp. 86
5. Shashi, **Pooja Jha**, C. Mahalakshmi & V.Bhat, 2008, *In vitro* plant regeneration through somatic embryogenesis in apomictic *Pennisetum pedicellatum* Trin., Golden Jubilee conference on “**Challenges and emerging strategies for improving plant productivity**”. 12-14 November, IARI, New Delhi, India. pp- 217
  6. **Pooja Jha**, Shashi, C Mahalakshmi & V Bhat, 2006, Somatic embryogenesis and *in vitro* plant regeneration in *Pennisetum glaucum*., Proceeding of national conference on “**Biodiversity related international conventions**”, held at INSA, New Delhi from March 8-10, 2006, pp. 178-179.
  7. R Sharma, JCM Rodrigues, T Okada, CB Yadav, **Pooja Jha**, C Mahalakshmi, Shashi, V Bhat & AMG Koltunow, 2007, Development of RNAi vector for MET1 gene from *Cenchrus ciliaris*, proceeding of 30<sup>th</sup> all India cell biology conference & conference on: **Molecules to compartments: cross-talked and networks** held at Delhi University convention hall from February 2-4, 2007, pp. 161.

### Book Chapters

1. **Pooja Jha Maity** and Roma Rani (2019) Traditional Knowledge and Intellectual Property Rights. New Delhi, Ethnobotany, Volume 2 (by Dr. Suresh Kumar), Kojo Press. ISBN: 978-81-933805-5-0
2. Roma Rani and **Pooja Jha Maity** (2019) Role of Spices in Cancer Treatment. Ethnobotany, Volume 2 (by Dr. Suresh Kumar), Kojo Press. ISBN: 978-81-933805-5-0
3. **Pooja Jha Maity** and Reetu Sharma (202) FARMERS’ RIGHTS- INDIAN SCENARIO. Chapter no 14 in book **Crop Sustainability and Intellectual Property Rights**. Apple Academic Press. (2023)

### Invited Lectures

1. **Role of Medicinal Plants in Boosting Immunity during This Pandemic** at BIOCON 2020 at Biyani Group of Colleges, India, on 17 December 2020.
2. **Sow the seeds of a career with Botany** at **KNOWLERIENCE** online platform (Education website) on 18 October 2020.
3. **In vitro genetic manipulation** at Department of Ecology, Environment and Plant Sciences, Stockholm University, SE-106 91, Stockholm, **Sweden** on **06 March 2014**.
4. Oral Presentation on **topic IPR: Empowering the Indian Farmers** in the National Webinar on “Intellectual Property Right: Issues & Challenges” organized by Deen Dayal Upadhyaya College, University of Delhi, 24<sup>th</sup>- 25<sup>th</sup> September 2021.

### Significant contributions (In last five years):

1. **Member of the organizing committee** of the **C20 Samajshala on “Education and Human Rights”** organized by Noble Citizen Foundation and Hansraj College, University of Delhi on 11<sup>th</sup> April 2023.
2. **Convenor** of webinar on “**How to improve your wellbeing**” organized by Hansraj College, University of Delhi on 6<sup>th</sup> April 2023.
3. **Member of the organizing committee** of the “**National Conference on Medicinal Plants: Frontier Areas of Research and Development**” organized by Dept. of

Botany, Hansraj College, University of Delhi held on March 16-17, 2023

4. **Member of the organizing committee** of the **Discussion on “Budget 2023 for Amritkaal”** organized by The Economics Society, Hansraj College on 13<sup>th</sup> February 2023.
5. **Convenor of Y20 India Talks (Distinguished Panel Discussion and Brainstorming on: Future of Work: Industry 4.0, Innovation and 21<sup>st</sup> Century Skills)** organized by Y20 India, Confederation of Young Leaders and Hansraj College, University of Delhi on 24<sup>th</sup> January 2023.
6. **Co-convenor of 1<sup>st</sup> Annual National Conference on “Advances in Plant Biology”** organized by Dept. of Botany, Hansraj College, University of Delhi on 9<sup>th</sup> December 2022.
7. **Convenor of webinar on “Bioentrepreneurship: Prospects, challenges and opportunities in India”** organized by Dept. of Botany, Hansraj College, University of Delhi on 26<sup>th</sup> November 2022.
8. **Member of the organizing team** of the **5<sup>th</sup> Annual National Conference on “Social Sciences in India’s Knowledge Tradition”** organized by Rashtriya Samaj Vigyan Parishad and Hansraj College, University of Delhi on 15<sup>th</sup> -17<sup>th</sup> October 2022.
9. **Contributed as Co-opted member** in **NAAC criteria 3 Committee, Hansraj College, University of Delhi.**
10. **Contributed as Co-opted member** in **NAAC criteria 5 Committee, Ramjas College, University of Delhi.**
11. **Significant contribution in organizing Annual Prize Distribution Function 2021-2022**, organized by Ramjas College, University of Delhi on 30<sup>th</sup> July 2022.
12. **Staff Advisor- The Ramjas Model United Nations society (2021-2022)**
13. **Student Mentorship Program, Ramjas College: 2020-2021 and 2021-2022**
14. **Co-convenor of webinar on “Nanoscale Study of Probiotic Bacteria”** organized by Ramjas College, University of Delhi held on 15<sup>th</sup> March 2022.
15. **Member of the organizing committee** of the **1<sup>st</sup> Alumni meet**, Department of Botany, Ramjas College on 25<sup>th</sup> June 2022.
16. **Member of the organizing committee** of a workshop on **Yoga and Meditation for Humanity** (On International Yoga Day) on 21<sup>st</sup> June 2022.
17. **Member of the organizing committee** of webinar on **Nutraceuticals for Human Wellness: Value added product from plant** organized Ramjas College, University of Delhi, Delhi on 20<sup>th</sup> April 2022
18. **Convenor of webinar on Sri Lankan Crisis: Its Implications on Food Security and Education (By Dr Thusitha)** organized by The Ramjas Model United Nations Society on 18<sup>th</sup> April 2022.
19. **Member of the organizing committee** of webinar on **Feeding the 10 billion: A genomics prospective** organized by Ramjas College on 11<sup>th</sup> April 2022.
20. **Event coordinator** for **IPR Awareness Program** organized by NIPAM and Ramjas College on 19<sup>th</sup> Jan 2022.
21. **Event coordinator** for a lecture of **Prof. Katharina Pawlowski under Bloom (- 14<sup>th</sup> Jan 2022).**
22. **Member of the organizing committee** of **National Virtual Hands-On Workshop Tools Used in Biostatistics Research and Teaching.** 13- 14 August 2021.
23. **Member of the organizing committee** of **Impact of Meditation on Physical and Mental Health.** 28<sup>th</sup> July 2021
24. **Member of the organizing committee** of Science webinar on **“Human Microbiome and Diseases: A Perspective”** organized by Ramjas College, University of Delhi held on 13<sup>th</sup> March 2021.

25. **Member of the organizing committee** of webinar on “**Plant Biology: A journey from earth to space**” organized by Department of Botany, Ramjas College, University of Delhi held on 22<sup>nd</sup>-23<sup>rd</sup> May 2020
26. **Co-convenor of National seminar on Recent Trends of Research in medicinal Plants and Applied Sciences** organized by Department of Botany, Ramjas College, University of Delhi held on 27<sup>th</sup> March 2019.
27. **Co-convenor of Workshop on Scientific Writing & Oral Presentation** organized by Genesis & Department of Botany, Ramjas College, University of Delhi, 18<sup>th</sup> January, 2018.
28. **Member of the organizing committee** of **INSPIRE** Science Internship Camp sponsored by Department of Science & Technology, Govt. of India, organized by Ramjas College, University of Delhi from 4-8 July, 2017.

### Student related activity

- a. Staf Advisor -**The Ramjas Model United Nations society (2021-20222)**
- b. Member of Student Faculty Committee (SFC) of the Department of Botany, Ramjas College for the academic session 2020-2021.
- c. Member of Gender Forum, Ramjas College for the academic session 2020-2021, 2021-2022.
- d. Member of Departmental COVID-19 Task Group (Department of Botany), Ramjas College, 2020-2021, 2021-2022.
- e. Participated as judge in “Mega Digital HR Konclave 2020” School of Industrial Technology (KIIT), Bhubaneswar, Odisha)
- f. Judge in painting competition and Think and Link event organized by GENESIS 2022.
- g. Judge in inter college painting competition organized by BLOOM 2022.
- h. Invited Judge in **Inter School Talent Fair- 2015**, organized by Queen Mary’s School, Northend, Delhi on 7<sup>th</sup> August 2015.
- i. **Supervised one M.Sc student for her 6 months dissertation work** (at Department of Ecology, Environment and Plant Sciences) in Stockholm University, SE-106 91 Stockholm, Sweden, during my post-doctoral position in 2014.

### Research experience

1. Worked on standardization of micropropagation of a medicinally important plant: ***Bacopa monnieri***.
2. Worked on standardization of **plant regeneration and *Agrobacterium rhizogenes*-mediated genetic transformation** of the actinorhizal plant ***Datisca glomerata***. Various promoter::GUS fusion constructs were used for transformation in order to examine their regulation in the establishment of a root nodule symbiosis.
3. Worked on the **Cadmium-uptake** in wheat leaf protoplast in the presence and absence of Silicon and found that Silicate reduces Cadmium uptake at the cellular level.
4. Studied apoplastic and cytosolic ion homeostasis in salt-stressed *Vicia faba* leaf protoplast and the effect of Calcium on it.
5. Worked on **standardization of tissue culture protocols in *Pennisetum glaucum*** and achieved successful regeneration through
  1. Somatic embryogenesis using immature inflorescences shoot tips and seeds as explant source.
  2. Direct shoot organogenesis (multiple shoot induction) using shoot tips as

explant.

6. **Skilled on tissue culture** of *Pennisetum pedicellatum*, *Dichanthium annulatum* and *Cenchrus ciliaris*.
7. Experienced of using **gene gun-mediated transformation** of *Pennisetum glaucum*.
8. **Optimized a rapid and highly efficient *Agrobacterium tumefaciens*-mediated transformation system** (using strain EHA105 with binary vector pCAMBIA1301) in pearl millet (*Pennisetum glaucum*) genotype 843B for the production of transgenics.
9. **Developed transgenic pearl millet** containing the *AhSIPR10* gene which showed enhanced tolerance towards various abiotic and biotic stress tolerance.

#### Workshop/ FDPs/ Training attended

1. Attended **one month “Faculty Induction Programme”** organized by Mahatma Hansraj Faculty Development Centre (MHRFDC), Hansraj College, University of Delhi from 1<sup>st</sup> December to 30<sup>th</sup> December, 2022.
2. Attended **6-Day Workshop on Microbes for sustainable and Resilient Future** Organized by Delhi University Botanical Society, Department of Botany, University of Delhi from 06.12.2021 to 11.12.2021.
3. Attended **workshop on ‘CRISPR- Mediated Plant Genome Editing’** organized by Shivaji College, University of Delhi, The Golbal Plant Council, ICAR- National Rice Research Institute, Cuttack and SFT University, Gurugram, on 27<sup>th</sup> September 2021 to 1<sup>st</sup> October 2021.
4. Attended two weeks (online) **Inter disciplinary Faculty Development Programme on ‘MOOC's, E-Content Development, Research Methodology and Statistical Tools in Open Education World’** organised by Kalandi College, University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre (MHRFDC), Hansraj College, on 3<sup>rd</sup> August 2021 to 17<sup>th</sup> August 2021.
5. Attended one week (online) **Interdisciplinary Faculty Development Programme on “Intellectual Property Rights”** organised by IQAC, Hansraj College, University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, held on 10<sup>th</sup> February to 17<sup>th</sup> February 2021.
6. Attended one week **Faculty Development Programme on “E-content Generation and Managing Online Teaching”** organized by Sri Aurobindo College, University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre (MHRFDC), Hansraj College, on 11<sup>th</sup> Dec to 17<sup>th</sup> Dec 2020.
7. **Workshop on Creating Awareness on Intellectual Property**, organized by Ramjas College, University of Delhi and Confederation of Indian Industry held on 4<sup>th</sup> September 2019.
8. Two day **National Workshop on Intellectual Property Rights**, organized by Deen Dayal Upadhyaya College, University of Delhi held on 22-23 August, 2019.
9. Attended two days **Faculty Development Programme on Agriculture, Health and Society**, on 15<sup>th</sup> and 16<sup>th</sup> March, 2019; organized by Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi, Delhi.
10. Actively participated in **Outreach Program (Hands-on training on Various Scientific Aspects Related to Biology)** to Amar Singh Inter College Lakhaoti, Bulandshahr, Uttar Pradesh, held on 6<sup>th</sup> March 2019.
11. Attended the workshop on **Intellectual Property Rights: Its Genesis, Significance and Compliance**, on 13<sup>th</sup> and 14<sup>th</sup> September 2018 at Institute of Home Economics, University of Delhi, Delhi
12. **Workshop on Scientific Writing & Oral Presentation** organized by Genesis &

Department of Botany, Ramjas College, University of Delhi, 18<sup>th</sup> January, 2018.

13. Attended **Faculty Development Workshop on “Ecology: Modern Perspectives”**, held on December 12-13, 2016 at Dept. of Botany, Hansraj College, University of Delhi.
14. Actively participated in two day workshop **“Training the Trainers: IPR Workshop”**, held on August 10-11, 2016 at Ramjas College, University of Delhi.
15. Actively participated in **2<sup>nd</sup> Plant Proteomics Workshop/Training Program** held at Department of Botany, University of Delhi, Delhi 110 007, during 21<sup>st</sup> -26<sup>th</sup> December 2015.
16. Participated in National workshop on **“Medicinal Botany and Drug Discovery”**, held on January 30-31, 2017 at Dept. of Botany, Ramjas College, University of Delhi.
17. Actively participated in **CSIR sponsored CIMAP’s Winter School on “Recent Techniques in Structural and Functional Genomics”** held at CIMAP (Central Institute of Medicinal and Aromatic Plants), Lucknow, India, during 1<sup>st</sup> -10<sup>th</sup> December 2007.
18. Actively participated in one day **“Workshop on Bioinformatics”** organized by the Department of Computer Science, University of Delhi, Delhi, India, on 28<sup>th</sup> September, 2007.
19. Actively participated in **workshop on Bioinformatics for Molecular Biotechnology** held at The NIIT Institute of Information Technology (TNI) Delhi, India, from 26<sup>th</sup> – 31<sup>st</sup> December 2006.

#### Conferences and Symposia attended

1. **Presented paper** in the **National Education Conclave on “Protection of Traditional Knowledge”** organized by Hansraj College, University of Delhi on 23-24 March 2023 at Vigyan Bhawan, New Delhi.
2. **Presented Poster and attended 6<sup>th</sup> Annual International E- Conference of Indian Network for Soil Contamination Research (INSCR)** Organized by Department of Zoology (DU), Acharya Narendra Dev College (DU), Deen Dayal Upadhyaya College (DU), Gargi College (DU), Kirori Mal College (DU), PG Department of Zoology (MU), Maitreyi College (DU), Ramjas College (DU), Sri Venkateswara College (DU), C.M.P. College (AU), SGTB Khalsa College (DU), COCAS (PU) & PhiXgen Pvt. Ltd., Gurugram from 15.11.2021 to 18.11.2021.
3. **Presented Poster and attended International Conference on Genetics and Genomics Technologies for Crop Improvement: GGTCI-2021** organized by Department of Botany, Hansraj College, University of Delhi in association with International Wheat and Maize Improvement Centre (CIMMYT), Mexico. From 01.08.2021 to 03.08.21
4. Participated in the **national conference on “Realms of Plant Diversity: Explorations with Novel Perspective”**, organized in virtual mode by Department of Botany, Maitreyi College, on August 24, 2021.
5. Attended the National Seminar on **“Innovation and Opportunities in Marine Bioresources & Biotechnology”** Organized by Marine Biotechnology Laboratory Department of Botany, University of Delhi & Cluster Innovation Centre (CIC), University of Delhi, held on 21st August, 2021 in virtual mode.
6. Attended webinar series on **Intellectual Property Rights: creating value from intellect, innovation and invention**, organized by the Department of Botany, Maitreyi College, held from April 20 to April 24, 2021



7. Attended **Global Bio-India Summit 2019**, organized by Department of Biotechnology and BIRAC (Biotechnology Industry Research Assistance Council), held on 21<sup>st</sup>-23<sup>rd</sup> November 2019 at Aerocity, New Delhi.
8. **National Seminar on Recent Trends of Research in Medicinal Botany**, organized by Ramjas College, University of Delhi held on 4<sup>th</sup>- 5<sup>th</sup> October 2019.
9. **National seminar on Recent Trends of Research in medicinal Plants and Applied Sciences**, organized by Department of Botany, Ramjas College, University of Delhi held on 27<sup>th</sup> March 2019
10. **Conclave on Biodiversity for everyone's life**. 31<sup>st</sup> August 2018, Miranda House, University of Delhi, Delhi.
11. **2<sup>nd</sup> Science Film Festival**. 28<sup>th</sup> and 29<sup>th</sup> August 2018, Ramjas College, University of Delhi, Delhi.
12. Attended the Awareness Program on **Intellectual Property Rights (IPR)**, jointly organized by **Federation of Indian Chambers of Commerce & Industry (FICCI), Indian Patent Office, Government of India and University of Delhi**, on 15<sup>th</sup> September 2017 at University of Delhi, Delhi.
13. **27<sup>th</sup> Annual Conference of the Indian Association for Angiosperm Taxonomy & International Symposium on Plant Systematics: Priorities and Challenges**. November 10-12, 2017, Department of Botany, University of Delhi, Delhi, India.
14. National conference on **Pharmacognosy: Scope of Phytochemically Unexplored Medicinal Plants**. Jan 12, 2017, Department of Botany, Zakir Hussain College, University of Delhi, New Delhi.
15. **INSPIRE Science Internship** Camp sponsored by Department of Science & Technology, Govt. of India, organized by Ramjas College, University of Delhi from 4-8 July, 2017.
16. National conference on **Plant Science Research: Looking Beyond 21<sup>st</sup> Century for Environmental & Agricultural Revolution**. Feb 5<sup>th</sup> -7<sup>th</sup> 2016, Department of Botany, University of Delhi, New Delhi,
17. National symposium on **Germplasm to Genes: Harnessing Biotechnology for food security and Health**. August 9-11, 2015, National Agricultural Science Centre, IARI, New Delhi.
18. National seminar on **Biotechnology in sustainable agriculture and environmental management**. November 7-8, 2008, Department of Botany, University of Rajasthan, Jaipur, Rajasthan, India.
19. 2<sup>nd</sup> International conference on **Trends in cellular and molecular biology**, January 5-7, 2008, School of life sciences Jawaharlal Nehru University, New Delhi, India.
20. National symposium on **Science of life: the new horizon**, November 21-23, 2007, Miranda House, University of Delhi, New Delhi.
21. National seminar on **Current trends in plant sciences**, February 15-16, 2007, Department of Botany, University of Delhi, New Delhi, India.
22. International Conference on **Applied Phycology "Algae in Biotechnology and Environment"** February 14-15, 2006, Department of Botany, University of Delhi, New Delhi, India.
23. National conference on **Biodiversity related international conventions: Role of Indian scientific community**, March 8-10, 2006, held at INSA, New Delhi, India.
24. National seminar on **Relevance of Botany in the conservation and improvement of plants**, February 8-9, 2006, Department of Botany, University of Delhi, New Delhi, India.
25. Conference on New **Development in rapeseed-mustard**, January 21, 2006, MRPC, New Delhi, India.

26. National seminar on **Genetically modified organisms – biosafety aspects**, March 10-11, 2005, Department of Botany, University of Delhi, New Delhi, India.

**National, International Webinar attended Online in 2020- 2021: 30**

**References:**

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