

CURRICULUM VITAE



Dr. JYOTI BAJPAI

Designation: Assistant Professor Botany

Rajkeeya Mahavidyalaya, Gosaikheda, Unnao

Father's Name: Mr. Kamlakar Bajpai

Mother's Name: Mrs. Kusum Bajpai

Marital Status: Married

Husband's Name: Mr. Anuj Tripathi

Date of birth: 20 July 1984

Address : H.No. A 01- Manipal Avenue, Royal City, Bijnaur Road, Lucknow, 226014

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Employment Detail and Work experience

S. No	Place	Position	Employer	from	to	Reason of leaving
1.	Rajkeeya Mahavidyalaya, Gosaikheda, Unnao	Assistant Professor Botany	Dept. of Higher Education, Public Service Commission, Govt. of Uttar Pradesh	02-07-2016	Ongoing	NA

2.	Govt. PG College Charkhari Mahoba,	Assistant Professor Botany	Dept. of Higher Education, Public Service Commission, Govt. of Uttar Pradesh	09-03-20 26	30-06-201 6	Transfer
3.	Jawahar Navodaya Vidyalaya, Madhepura, Patna, Bihar		Jawahar Navodaya Vidyalaya Samiti New Delhi	23-12-20 13	18-08-201 6	Joining at Govt Degree College

Academic qualification:

S. N.	Exam passed	Board/University	College/School name	%Marks	Division	Year
1	High School	UP Board	Arya Kanya Inter College, Sitapur	63.50	I st	1999
2	Intermediate	UP Board	Sumitra Inter College, Sitapur	66.20	I st	2001
3	B.Sc (ZBC)	CSJM Kanpur University	DDU Govt. PG College, Sitapur	68.00	I st	2004
4	M.Sc.(Botany)	University of Lucknow, Lucknow	University of Lucknow, Lucknow	68.70	I st	2006
5	Ph.D	University of Lucknow, Lucknow	Title of thesis- “Investigations on <i>in vitro</i> methods of screening for herbicide tolerance in <i>Vigna mungo</i> genotypes”.			

Research Experience:

S.N.	Name of organization	Designation	Period
1.	Plant Genetics Unit, Dept. of Botany, University of Lucknow, Lucknow.	Junior Research Fellow	Jan -2009 –Dec-2011
2.	Plant Genetics Unit, Dept. of Botany , University of Lucknow, Lucknow.	Senior Research Fellow	Jan 2012 –Jan- 2015

Fellowships and award awards-

- **CSIR -UGC -NET JRF Research Fellow**
Reference no: EU-IV/2008/JUNE/319174
- Awarded with **K.S. Dubey memorial best poster presentation medal** in National Seminar on “Environmental Degradation and Aquaculture” 28 April 2013, Department of Zoology, B.S.N.V.P.G. College, Lucknow, India.
- Qualified GATE-2008 With 94.50 percentile, All India rank -727

Faculty development programs/refresher/orientation programmes

1. **NEP Orientation and sensitization programme** under Malviya Mission teachers training programme of UGC organized by University of Allahabad during 06 Jan 2025 -16 Jan 2025 (Grade A)
2. **Faculty development program** on Intellectual Property Rights (IPR) and academic writing organized by Shaheed Mangal pandey Government Post Graduate College, Meerut during 15 Jan 2025-17 Jan 2025.
3. **Faculty development program** on Contribution of Indian Knowledge systems in Various Fields organized by ARKA university, Jharkhand with Nucleus of Learning and Development during 16 Sep 2024-09-16 - 21 sep 2024.
4. **Faculty development program** on Chat GPT Plus: Exploring the educational potential of premium version organized by Gokul Global University, Sidhpur Gujarat during 23 May 2024- 29 May 2024.
5. **Interdisciplinary Refresher course** in sustainable development and climate change organized by HRDC, University of Allahabad during 23 Feb 23 -08 March 2023 (Grade A)

6. **Refresher Course** on Managing online classes and co-creating MOOCs organized by Ramanujan College University of Delhi under the aegis of Ministry of Education and PMMMNMTT during 18 May 2020- 3 June 2020.
7. **Refresher course in Botany and Life sciences** organized by HRDC University Of Lucknow during 17 Dec 2019 to 31 Dec 2019. (Grade A)
8. **Orientation Programme** at UGC approved Human Resource Development Centre University Of Lucknow during 2 Jan 2019 to 30 Jan 2019 (Grade A).

Paper published-

1. **Bajpai Jyoti** and Srivastava Alka (2015). In vitro response of black gram genotypes to herbicide stress and elevation of antioxidative defence system. *Acta Physiologia Plantarum* 37, 182. <https://doi.org/10.1007/s11738-015-1926-4>
2. **Bajpai Jyoti** and Srivastava Alka (2013). Evaluation of germination and seedling tolerance index of black gram genotypes in response to herbicide glyphosate. *Annals of Plant Sciences*. ISSN: 2287-688X, (Annals of Plant Sciences, 2013, 02 (09), 351-357.)
3. **Bajpai Jyoti** and Srivastava Alka (2014) “Phytotoxic effect of glyphosate on morpho-physiological parameters in wheat seedlings, author -” in *Asian Academic Research Journal of Multidisciplinary*, Vol -1, Issue 18, 117-135, ISSN: 2319-2801.
4. Shikha Tripathi, Sonam verma, **Jyoti Bajpai** & Alka Srivastava (2017.) Effects of glyphosate on vigna radiata var. M1613 assessed by meiotic behaviour, total protein and GST activity. *International Journal of Agricultural Science and Research*, ISSN(P): 2250-0057; ISSN(E): 2321-0087 Vol. 7, Issue 2, Apr 2017, 223-234.
5. Harshita Singh and Harshita Pandey and Sadhw Prajapati and Virendra Kumar Gupta and Anamika Singh and **Jyoti Bajpai** and KA Bharati and AK Verma (2025). Checklist of Trees of Uttar Pradesh, India: An Account to Understand their Nativity and Phenology in *Environmental Reports*; an International Journal; <https://doi.org/10.51470/ER.2025.7.1.65>
6. **Dr. Jyoti Bajpai (2024)** Role of Spirituality in fostering environmental sustainability in *Akshara Multidisciplinary research Journal*, e ISSN number 2582-5429, DOI 04.2021-43234255. http://aimrj.com/index.php/Admin/specialissue_view
7. **Dr. Jyoti Bajpai and Sri Pushpendra Kumar (2023)**. Violence amongst Female Domestic Helpers in India: Challenges, Vulnerabilities, and Pathways to Empowerment

in International Journal of Advanced Research in Multidisciplinary Sciences eISSN 2581-8996, vol-6, issue 2, 78-82.

<https://journal.ijarms.org/index.php/ijarms/article/view/507>

8. **Dr. Jyoti Bajpai (2024)** Sustainable Living Through India's Traditional Practices, Lifestyle and Cultural Wisdom, Idealistic Journal of Advanced Research in Progressive Spectrums(IJARPS)eISSN–2583-6986,

<https://journal.ijarps.org/index.php/IJARPS/article/view/438>

Chapters published in books:

1. Book chapter entitled **Millet: Nurturing Sustainable Agriculture and food security** published in Book Millets: A sustainable Approach to Nutritional security edited by Dr. Madhvi Daniel and Dr. Hemlata Pandey, Kripa Drishti Publications, 2025 Pune ISBN -978-81-968830-2-7.

2. Book chapter entitled **Impact assessment of metal and pesticide pollution in Ganga river system** in book Impact of COVID-19 Pandemic: A Global Perspective edited by Dr. Sunita Rawat. InfoCapsule LLP 2021, ISBN 9798716133716.

3. Books Published

1. Dr. Punam Chauhan and Dr. Jyoti Bajpai (2024), Yog Shikha, published by Swaranjali Publications, Ghaziabad India ISBN no. 9789365597103.

2. Dr. Jyoti Bajpai, (2025) Environmental studies published by Swaranjali Publications, Ghaziabad India ISBN no. 9789365594195.

3. Coeditor in College Magazine Unnati , Ek prayas, published by Swaranjali Publications, Ghaziabad India ISBN no. 9789365590975

Papers presented in various conferences and Seminars

1. Presented paper entitled “**Genotypic variation in *Vigna mungo* L. in response to herbicide stress**” in **National Conference of Plant Physiology**, November 25-27, 2010, Banaras Hindu University, Varanasi India

2. Presented paper entitled “***In vitro* genotypic variation in morphogenic response of *Vigna mungo* L. varieties under herbicide stress**” in Fourth International Conference on Plants and Environmental Pollution (ICPEP-4), December 8-11,2010, National Botanic Research Institute, Lucknow, India.

3. Presented paper entitled **“Morphogenetic response of five black gram genotypes under herbicide stress”** in 35th All India Botanical Conference October 10-12, 2011, University of Lucknow, Lucknow, India.
4. Presented paper entitled **“Effect of herbicide on morphophysiological parametrs in wheat”** in 1st Lucknow Science Congress, 20-21 March 2013, Babasaheb Bhimrao Ambedkar University, Lucknow, India.
5. Presented paper entitled **“Cytophysiological response of black gram to herbicide stress”** in National Seminar on “Stress Development and Adaptation: Biochemical Basis and Biotechnological Approaches” 15-16 March 2013, Department of Biochemistry, University of Lucknow, Lucknow, India.
6. Presented paper entitled **“Assessment of impact of roundup on growth, yield and physiological parameters of blackgram”** in National Seminar on “Changing Environment and Biodiversity” 24 March 2013, Department of Zoology, Navyug Kanya Mahavidyalaya, Lucknow, India.
7. Presented paper entitled **“*In vitro* response of black gram genotypes to herbicide glyphosate.”** in National Seminar on “Environmental Degradation and Aquaculture” 28 April 2013, Department of Zoology, B.S.N.V.P.G. College, Lucknow, India.
8. Presented paper entitled **“.Differential response of six varieties of black gram (*Vigna mungo* L.) to in vitro herbicide stress”** in, 36th All India Botanical Conference October 18-20,2013, University of Lucknow, Lucknow, India.
9. Presented Paper entitled **“Assessment of herbicide tolerance in varieties of black gram based on seedling and biochemical parameters”** in International Conference on Environmental Technology and Sustainable Development: Challenges and Remedies. 21-23 February 2014, Babasaheb Bhimrao Ambedkar University, Lucknow, India.
10. Presented paper entitled ***Glyphosate tolerance of black gram genotypes in callus culture*** in national Seminar on save FEW (fuel, electricity, energy, environment and water). *Title of paper:* Date 13-03-2016 at Department of Chemistry, Shri Narain PG College, Lucknow And Bharat Raksha Dal Trust Environment cell.
11. Presented paper entitled ***Effect of Agrochemicals on flora of river Ganga*** in National Seminar on Ganga pollution: Analysis and Remedies. Date 07 and 8th

October 2016 at Department of Chemistry D.A.V. PG college, CSJM university Kanpur U.P.

12. Presented paper entitled ***Energy production from domestic waste***. National Seminar on Sustainable Energy Resources. Date 14 december 2016 jointly organised by SR Institute of Management and Technology, Lucknow and Bharat Raksha Dal Trust Environment cell.
13. Presented paper entitled ***Significance of teachers training in Higher education to achieve Sustainable Development Goals*** in national Seminar on Higher Education in India: Vision 2030 with Special Reference to Sustainable Development Goals. Date 28 January 2017 at Maharaja Bijli Pasi Govt. P.G. College Aashiyana, Lucknow, U.P.
14. Presented paper entitled **Role of Modi Government policies in Achieving Sustainable Development Goals** in National Seminar on Sustainable Development: Strategies and Emerging Trends. Date 16 and 17 November 2018 at Netaji Subhash Chandra Bose Govt. Girls P.G. College, Aliganj, Lucknow.
15. Presented paper entitled **Use of Menstruation cups in India, a review** in International Seminar on “Towards Sustainable Women Health: Decoding the Menstruation Taboo. Date 01 and 02 February 2019 at Maharaja Bijli Pasi Govt. P.G. College Aashiyana, Lucknow, U.P.
16. Presented paper entitled **Role of Indian Government Policies in Environment Protection** in national Seminar on Need for Forward Looking Development strategies for India. Date 05-06 November, 2019 at B.S.N.V. Post Graduate College (K.K.V.), Lucknow. U.P.
17. Presented paper entitled **Trends in Biotechnology for crop improvement** in National Seminar on Socio-Economic and Technological Advancements in 21st century India. Date 17-18 January 2020 at Deen Dayal Upadhyay Government Post Graduate College, Sitapur.

Paper Review

Reviewed research article in international journal Biodiversity: Research and Conservation, May 2025.

I here by declare that the information provided above is true to the best of my knowledge.

Place: Lucknow

(Dr. Jyoti Bajpai)