

CURRICULUM VITAE

SHALINI KAUSHIK LOVE

BH-304, Abhimanyu Apartments, 65 Vasundhara Enclave, Delhi – 110096,

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EDUCATIONAL QUALIFICATION

- Ph. D. in Ecology (2010)
Topic of Research
 - Investigations on some agroecological aspects of *Phalaris minor* Retz.Centre for Environmental Management of Degraded Ecosystems (CEMDE)
School of Environmental Studies
University of Delhi
Thesis supervisor: Prof. Inderjit
- M. Sc. Botany – 2002 (1st Division)
Department of Botany, University of Delhi.
Special Papers
 - Crop Genetics & Plant Breeding.
 - Microbial and molecular genetics**Dissertation**
 - Studies on Biochemical & Quantitative Genetic Variation In Two Cultivars of *Vigna unguiculata*. (Supervisor- Prof. C. R. Babu)
- B. Sc. (H) Botany – 2000 (1st Division)
Dyal Singh College, University of Delhi.
- DSSCE - 1997
Central Board of Secondary Education, Delhi.
- DSSE – 1995
Central Board of Secondary Education, Delhi.

ACADEMIC ACHIEVEMENTS

- Qualified **Joint CSIR-UGC** test for Junior Research Fellowship (**JRF**) and eligibility for Lectureship (**NET**), held in **June-2002**
 - Placed among the **TOP 20% JRF-NET** awardees in **Life Sciences** on the basis of merit list.

PUBLICATIONS IN PEER- REVIEWED INTERNATIONAL JOURNALS

1. Inderjit, **Shalini Kaushik** (2010) Effect of herbicides with different modes of action on physiological and cellular traits of *Anabaena fertilissima*. *Paddy and Water Environment*, **8:277-282**. *Impact factor: 1.025, ISSN: 1611-2490*

2. **Shalini Kaushik** and Inderjit (2007) *Oryza sativa* straw restricts *Phalaris minor* growth: allelochemicals or soil resource manipulation? *Biology and Fertility of Soils*, **43**: 557-563. *Impact factor: 2.505, ISSN: 0178-2762*
3. **Shalini Kaushik**, Inderjit, Jens Carl Streibig and Nina Cedergreen (2006) Activities of mixtures of soil-applied herbicides with different molecular targets. *Pest Management Science*, **62**:1092-1097. *Impact factor: 2.594, Online ISSN: 1526-4998 4*
4. **Shalini Kaushik** and Inderjit (2006) Phytotoxicity of selected herbicides to mung bean (*Phaseolus aureus* Roxb.). *Environmental & Experimental Botany*, **55**:41-48. *Impact factor: 2.578, ISSN: 0098-8472 5*
5. Inderjit, David Chapman, Maria Ranelletti and **Shalini Kaushik** (2006) Invasive marine algae: An ecological perspective. *The Botanical review*, **72** (2): 153-178. *Impact factor: 1.533, ISSN: 0006-8101 Applied Ecology and Environmental Sciences, 2022, Vol. 10, No. 9, 565-567*
6. Inderjit, Ragan Morrison Callaway and **Shalini Kaushik** (2006) Time for international policies on biological invasions. *Frontiers in Ecology and the Environment*, **4**: 67-68. *Impact factor: 7.615, ISSN: 1540-9295 7*
7. **Shalini Kaushik** and Inderjit. (2005) Effect of rice straw incorporation on phytotoxicity of isoxaflutole to an exotic weed *Phalaris minor* Retz. *Plant and Soil*, **277**:35-40. *Impact factor: 2.638, ISSN: 0032-079X*
8. Harleen Kaur, Inderjit and **Shalini Kaushik** (2005) Cellular evidence of allelopathic interference of benzoic acid to mustard (*Brassica juncea* L.) seedling growth. *Plant Physiology & Biochemistry*, **43**:77-81. *Impact factor: 2.775, ISSN: 0981-9428*
9. **Shalini Kaushik Love** (2020) Microbial fuel cell: a potential technology for treatment of waste water and generation of bioelectricity. *HansShodhSudha*, **1**:51-56, *ISSN:2582-9777*
10. Anand Sonkar, **Shalini Kaushik Love**, Romila Rawat Bisht, Sharda Mahilkar Sonkar, Saumya Agrawal, Gunjan Verma, Rishu Raj, Gaurav Bansal, Nitasha (2022) Effect of Gibberellic Acid and Different Salt Concentrations on Germination of *Cicer arietinum* L. (Chickpea). *Applied Ecology and Environmental Sciences*, **10**:565-567. *ISSN (Print): 2328-3912*
11. Anand Sonkar, **Shalini Kaushik Love**, Anjali Sharma, Chetan Pahwa, Ishika Sharma, Josemon Biju, Sanjana Amla, Sahil Verma, Pratibha Pant, Sharda Mahilkar-Sonkar (2022) Effect of HCl pretreatment on tomato (*Solanum lycopersicum* L.) seed germination. *International Journal of Innovative Science and Research Technology*. **7**: 491-494. *ISSN No:-2456-2165.*

CONTRIBUTION TO BOOK CHAPTER

1. **Shalini Kaushik**, Robert E Blackshaw RE, Inderjit (2005) Ecology and management of an exotic weed *Phalaris minor*. In: Inderjit (ed.) *Invasive plants: ecological and agricultural aspects*. pp.181–193 Birkhauser-Verlag AG, Basel
2. Inderjit, **Shalini Kaushik** (2009) Management of *Phalaris minor*, an exotic weed of cropland. In: Inderjit (ed.) *Management of invasive weeds*. pp 279-286 Springer, New York.
3. **Shalini Kaushik Love** and Charu Kalra (2014) “Ergastic Substances, Plasmodesmata and Transfer cells” in **MHRD project “NME-ICT” for Institute of Life Long Learning.**

MANUSCRIPTS COMMUNICATED

Chlorophyll *f* and photosynthesis in far-red light in *Current Science* journal

POPULAR ARTICLES

Shalini Kaushik Love (2013), “Bioinformatics” in Plant Sciences - Annual Newsletter of the Botanical Society of Deen Dayal Upadhyaya College “*Kalpavriksha*”. (ISSN: 2393-8676).

Shalini Kaushik Love and Charu Kalra (2014) “*Cordyceps sinensis*: A Miracle ascomycete” in Contemporary Plant Sciences - Annual Newsletter of the Botanical Society of Deen Dayal Upadhyaya College “*Kalpavriksha*”. (ISSN: 2393-8676)

Shalini Kaushik Love (2020) “Chlorophyll-f the most red shifted chlorophyll found in nature” in Annual Magazine of Botanical Society of Hansraj College – “*Passiflora*”

TEACHING EXPERIENCE

- Daulat Ram College, University of Delhi (3rd September 2009 to 13th December 2009)
Worked as a Guest Lecturer, Department of Botany).
- Worked as Ad-hoc Assistant Professor, Department of Botany, Daulat Ram College, University of Delhi (14th December 2009 – 23rd March 2010).
- Worked as a Guest Lecturer, Department of Botany, Daulat Ram College, University of Delhi (10th August 2010 to 8th December 2010).
- Worked as Ad-hoc Assistant Professor, Department of Botany, Dyal Singh College, University of Delhi (9th December 2010 to 21st February 2011).
- Worked as a Guest Lecturer, Department of Botany, Dyal Singh College, University of Delhi (22nd February 2011 to 27th April 2011).
- Worked as a Adhoc Assistant Professor, Department of Botany, Deen Dayal Upadhyaya College, University of Delhi (29th July 2011 to 22nd May 2014).
- Have been working as Ad-hoc Assistant Professor, Department of Botany, Hans Raj College, University of Delhi since 26 July 2014.

EXTRACURRICULAR ACTIVITIES, OTHER ADMINSTRATIVE RESPONSIBILITIES

- Stood 3 in intercollege competition on ‘On the spot oral presentation’ held at Dyal Singh College, Department of Botany, University of Delhi. (Dec 98)
- Stood 2 in intercollege competition on ‘Biophilately’ held at Dyal Singh College, Department of Botany, University of Delhi (Dec 98).
- Awarded consolation prize in intercollege competition on Rangoli held at Gargi college, Department of Botany, University of Delhi (Dec 98).
- Awarded participation prize in intercollege competition on Rangoli held at Gargi college, Department of Botany, University of Delhi. (Dec 98).
- Stood 3 in intercollege competition on ‘Botanical Rangoli’ held at Maitreyi College, Department of Botany, University of Delhi (Dec 99).
- Stood 3 in intercollege competition on ‘flower arrangement’ held at Dyal Singh College, Art and culture society, University of Delhi (Dec 99).

- Stood 2 in intercollege competition on ‘Plant Product Identification’ held at Dyal Singh College, Department of Botany, University of Delhi (Dec 99).
- Stood 1 in ‘Embryology Quiz Competition’ held at Zakir Husain College, Department of Botany, University of Delhi (Jan-2000).
- Awarded certificate for excellent performance in symposium on ‘Recent advances in Biochemistry and Molecular Biology’ held at Department of Botany, University of Delhi (Feb-2001).
- Assisted in the ICT workshop conducted by ILLI at Daulat Ram College for the training of teachers in the computer skills in the year 2009-2010.
- Edited the abstract booklet produced by the organization of the National Conference entitled ‘National Conference on Advances in Environmental Sciences and Plant Biotechnology during 4-5 February 2013 organized by Botany Department, Deen Dayal Upadhyaya College.
- Edited the annual Newsletter (2012-2013) entitled ‘Plant Sciences’ of Botanical Department, Deen Dayal Upadhyaya College. Acted as content developer for Anterdhwani for Hansraj college (2014)
- Resource Person in Four day Workshop on Skill Enhancement of Laboratory Staff held on 28-31 December 2015 organized by Department of Botany, Hansraj College under Department of Biotechnology STAR College Scheme.
- Member, organizing committee of two-day workshop on “ Ethnobotany” held on 16th - 17th September 2016 at Department of Botany, Hansraj College under Department of Biotechnology STAR College Scheme.
- Member, organizing committee of two-day Faculty Development Workshop on Ecology held on 12-13 December 2016 at Department of Botany, Hansraj College under the aegis of Department of Biotechnology STAR College Programme.
- Member, organizing committee of five-day Summer-school on “ Trends in reproductive biology: future perspectives’ held on 29 May-2 June, 2017 at Department of Botany, Hansraj College under the aegis of Department of Biotechnology STAR College Programme.
- Member, Organizing Committee, of a workshop on Computer proficiency in day-to-day work and dealings in workplace and public life organized by Department of Botany in association with IQAC on 6th July 2017.
- Member, Organizing Committee INSPIRE CAMP, funded by Department of Science and Technology, Government of India, held from 12th Dec 2017 to 16th Dec 2017
- Member, discipline committee for the annual day held on 27th March 2018,
- Co-convener life science society for the Academic year 2018-2019.
- **Member, organizing committee of five-day Summer-school** on “Trends in reproductive biology: future perspectives’ held on 29 May-2 June, 2017 at Department of Botany, Hansraj College under the aegis of Department of Biotechnology STAR College Programme.
- **Member, Organizing Committee, of a workshop on Computer proficiency** in day-to-day work and dealings in workplace and public life organized by Department of Botany in association with IQAC on 6th July 2017.
- **Member, Organizing Committee INSPIRE CAMP, funded by Department of Science and Technology, Government of India**, held from 12th Dec 2017 to 16th Dec 2017.
- **Participated in International Conference** of “Integrative Chemistry, Biology and Translational Medicine” organized by the Centre for Global Health, Hansraj College, University of Delhi and Loyola University of Chicago Stritch School of Medicine USA on February 25-26, 2019.

- **Participated in Workshop** on Recent Trends in Plant systematics and Future Prospects organized by Department of Botany, Dyal Singh College, University of Delhi on March 12, 2019.
- **Organized Faculty Development program** on Agriculture Health and Society, organized by Mahatma Hansraj Faculty Development Centre, Hansraj College on March 15 and 16, 2019.
- **Resource person** in “Workshop on Hands on Training Program for Laboratory Staff” organized by IQAC and Department of Botany, Hansraj College held on June 18 and 19, 2019.
- **Participated in National seminar** on “Draft New Education Policy, 2019” organized by Mahatma Hansraj Faculty Development Centre, Hansraj College on August 10, 2019.
- **Participated in International Conference** of “Integrative Chemistry, Biology and Translational Medicine” organized by the Centre for Global Health, Hansraj College, University of Delhi and Loyola University of Chicago Stritch School of Medicine USA on February 25-26, 2019
- **Participated in Faculty Development program** on Fundamentals of Intellectual Property Rights, organized by Department of Botany and IQAC in collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj College on January 23-25, 2020.
- Member, discipline committee for the annual day held on 27th March 2018.
- **Co-convener life science society** for the Academic year 2018-2019.
- Convener ‘**Society of General awareness**’ in the academic year 2019-2020, and 2020-2021, 2021-2022, 2022-2023 Hansraj College.
- Member, **Pratyaksha Project** (launched in July 2020) Hansraj College.
- Member ‘**Internal Quality Assurance Cell**’, Hansraj College.
- Editorial Board member, **Hansraj College research journal ‘HansShodhSudha’** launched in July 2020. Awareness, Hans raj college for the academic year 2019-2020, 2021-22, 2022-23.
- Convener library committee of the Department for the academic year **2022-2023**.
- Convener “**Culinary Art Society**” Hansraj College in the academic year **2022-2023**.

WEBINARS/WEBINAR SERIES

- **Participated in** three days Webinar for faculty on Covid 19: Challenges and Road Ahead organized by Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi on May 7-9, 2020
- **Participated in Webinar** on ‘Evolution of Science seen from historical perspectives’ organized by Deshbandhu College, university of Delhi held on May,12-13, 2020
- **Member, organising committee:** Webinar on for non-teaching staff लॉकडाउन के दौरान तन और मन की देखभाल organized by Department of Botany and IQAC, Hansraj College on 13-14 May, 2020.
- **Participated in International Webinar** on Biodiversity and Environmental Health, organized by Department of Environmental Studies, Shivaji College, University of Delhi on May 20, 2020.
- **Participated in National Webinar** on “**ECOLOGICAL REVIVAL DURING PANDEMIC**”, organised by Department of Chemistry of Bhaskaracharya College of Applied Sciences, University of Delhi on 21st May 2020 through Google Meet.

- **Participated in the webinar** titled " Intellectual Property Rights " held on 22/05/2020 organized by Research and Development Cell and IPR Cell with Chennai Softech - Technical Partner.
- **Participated in National Webinar** on काम काज के बदलते तौर तरीके organized by Hansraj College, University of Delhi on May 27, 2020
- **Participated in Webinar** on Plant Biology: A Journey from Earth to Space organized by Department of Botany, Ramjas College, University of Delhi on May 22-23, 2020.
- **Webinar** on Higher Education in India: COVID 19 and Beyond organized by Swami Shraddhanand College, University of Delhi and Akhil Bharatiya Itihas Sankalan Yojana on June 2, 2020.
- **Participated in National Webinar** on Biodiversity and Man organized by Department of Botany, Dyal Singh College in collaboration with Society of Ecological Research and Natural Resource Management on June 5, 2020
- **Participated in National Webinar** entitled 'Digital learning in and beyond COVID19' organized by Raghunath girls PG college, Meerut, U.P. held on June 7, 2020
- **Participated in National Webinar** on Biodiversity and Conservation (NWBC 2020) organized by Department of Botany, Daulat ram College, University of Delhi on June 8, 2020.
- **Participated in National Webinar Series** on "NAAC's Assessment Criteria for Accreditation " organized by Hansraj College, University of Delhi Under PARAMARSH, a UGC scheme for mentoring NAAC accreditation aspirant institutions to promote quality assurance in higher education on June 8 th - 14th ,2020.
- **Participated in international Webinar** on "COVID-19: TRUTHS AND MYTHS " by Dr. Muneeb A. Faiq New York University, NY, USA, organized by IQAC, Acharya Narendra Dev College, University of Delhi on 9 th June 2020.
- **Participated in Webinar** on "Tinkering with Plant Genomes" Organized by Department of Botany, Miranda House, University of Delhi July 6, 2020.
- **Participated in Webinar** on "Student Learning Centre: Objectives and Perspectives" organized by organized by Student Learning Centre, IQAC, Hansraj College July 13, 2020.
- **Participated in Webinar Series Basic and Professional**, from 23rd July to 25th July 2020 and from 28th to 30th August, 2020 respectively on "Transforming Teaching-Learning Process using ICT Tools" organized by IQAC, PGDAV College, University of Delhi.
- Participated in two days '**National -E-Conference**' on Plant Science Research: Relevance, Funding, Challenges and Opportunities held on 16th-17th January 2021.
- Participated in an **International online conference on "Genetics and Genomics Technologies for Crop Improvement"** organized by Department of Botany, Hansraj College, University of Delhi and International Maize and Wheat Improvement Centre (CIMMYT), Mexico in collaboration with Mahatma Hansraj Faculty Development Centre, a Centre of MHRD, Govt. of India Under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNTT), Hansraj College, University of Delhi, on 1-3rd August, 2021.

- Participated in an **International online conference on “Insect and Plant Biology”** organized by Mahatma Hansraj Faculty Development Centre, a Centre of MHRD, Govt. of India Under Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT), Hansraj College, University of Delhi, on 7th-8th October, 2021.
- Attended One Day (**offline**) Symposium on **“Road ahead for HEI’s Accreditation under NEP”** organized by IQAC, Hansraj College in collaboration with Mahatma Hansraj Faculty Development Centre on April 7, 2022.
- **Member, organizing Committee”** in One Day **International (Online)** Conference on **“Insights into the Latest Developments in Fungal Biology (ILDFB -2022)”** (September 3, 2022) organized by Department of Botany and Research & Development Cell, Hansraj College in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi.
- **Member, organizing Committee** of the National Conference on Medicinal Plants: Frontier Areas of Research and Development held on March 16-17, 2023
- **Presented Poster** "Population level differences in active phytochemical profile of selected medicinal plants: A bibliometric analysis" .Aditya Prakash, Anudeepti Bajpai, Aanchal, Ashish Kumar Tiwari, Saurabh Awasthi, Pratibha Pant, **Shalini Kaushik Love*** Department of Botany, Hans Raj College, University of Delhi in National Conference on Medicinal Plants: Frontier Areas of Research and Development held on March 16-17, 2023

TRAINING WORKSHOPS AND ONLINE FACULTY DEVELOPMENT PROGRAMS (FDPS)

- Participated in the workshop on “Introduction to Bioinformatics” organized by Department of Zoology, Zakir Husain Delhi college, at Institute of Life Long Learning, University of Delhi, Delhi from January 16-20 , 2012 held.
- Participated in the workshop on “Computational Genomics and Its Application to Plant Biology” organized by Sub – DIC at National Institute of Plant Genome Research from March 16-20 , 2013.
- Successfully completed **One Week Online Faculty Development Programme on "ICT ENHANCED TEACHING LEARNING AND CREATING MOOCs"** and obtained **grade A+ conducted jointly by Ministry of Human Resource Development Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching Learning Centre Ramanujan College University of Delhi and IQAC, Shivaji College University of Delhi** held on August 18 - August 25, 2020.
- Participated in 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 from 13th to 14th August, 2021.
- Successfully completed one week (Online) Interdisciplinary Faculty Development Programme on “Data Science and Machine Learning using Python” 24th September - 30th September 2021 organized by Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi.
- Successfully completed and **placed among top 10 of the participants in a five week long National Workshop on “ National Workshop on Statistical Analysis of**

Biological Data” organized by Department of Botany, Zakir Husain Delhi College from 17th January-21st February 2022

- Successfully Completed **One week (Online) Interdisciplinary Faculty Development Programme on "National Education Policy 2020: Perspectives & Challenges" (24th January - 31st January 2022)** organised by Rashtrasant Tukadoji Maharaj, Nagpur University in collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi
- Attended the **online two-week Faculty Development Programme on Introduction to Python Programming** held from 8th August to 19th August, 2022 conducted by Mahatma Hansraj Faculty Development Centre in association with Delhi Effective Education and Pedagogy Cluster (DEEP-C).
- **Participated of 1st Annual National Conference on “Advances in Plant Biology”** organized by Dept. of Botany, Hansraj College, University of Delhi on 9th December 2022.
- **Presented paper** in the **National Education Conclave** on “Cultivation of high yielding populations of medicinal plants through “**protected agriculture and good agricultural practices**” organized by Hansraj College, University of Delhi on 23-24 March 2023 at Vigyan Bhawan, New Delhi.

FOREIGN VISIT

- Participated in poster presentation competition XVII - International Botanical Congress, held from 17-23 July 2005, at Vienna Austria.
- Awarded Young Scientist Support funded by **Asean-European University Network (ASEAUNET)** to attend XVIIth International Botanical Congress (IBC) - 2005 held at Vienna, Austria

PROJECT

Granted Innovation project by University of Delhi for one year (2015-2016) entitled "Development of mobile based application for the identification of selected flora of Delhi University (North Campus)"

STUDENT GUIDANCE

Guided undergraduate students for ‘Butterfly assessment’ in different Biodiversity parks of Delhi, under the supervision of Prof. CR Babu and his team from 26th -30th October 2021 for the students of B. Sc. Life Sciences and B.Sc. (H) Botany.

Guided students of B.Sc. (H) Botany III year for their internship in plant physiology subject for a period of six months (Dec 2021-May 2022)

PERSONAL INFORMATION

Date of Birth: 03 December 1980

Marital Status: Married

REFERENCES

Professor Inderjit
Centre for Environmental Management
Of Degraded Ecosystems
School of Environmental Studies
University of Delhi
(o) 27662402
(e) inderjit@cemde.du.ac.in

Professor C.R. Babu
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(Shalini Kaushik Love)