

CURRICULUM VITAE

Dr. Jai Laxmi Rawat



Date of Birth: 28 October, 1980

Marital Status: Married, **Sex:** Female

Permanent Address: Village & Post Office Dharkot, Patti Udayakot, Chambba Tehri Garhwal

Address for correspondence: Department of Botany, Radhey Hari Govt. (P.G.) College Kashipur (U.S. Nagar)

Email: jailaxmirawat@gmail.com, **Mobile No.:** 8476058928

Educational qualification: M.Sc. (Botany), D. Phill

Area of Specialization: Plant Ecology

Ph. D. thesis Title: Impact of foliar spray of different concentrations of Zinc and Copper on growth, productivity and essential oil content of *P. graveolens* and *C. winterianus*.

Award: Young Women Scientist Achievement Award-2023 awarded by USERC

Book Publish

1. Co-Editor in edited book “ Current Approaches in Science and Technology” (ISBN No.- 978-93-92239-58-8). P.K. Publishers and Distributors (2023).
2. Editor in book “Morphology and Anatomy” (ISBN- 935854021-4) Pragati Prakashan. (2023)

EXPERIENCE:

Teaching: 15 Years (UG and PG classes), **Research:** 17 Years

Current Position: Assistant Professor, Dept. of Botany, Radhey Hari Govt. (P.G.) College, Kashipur (U.S. Nagar)

CONFERENCE/ TRAINING/WORKSHOP

1. Presented Paper entitled “ Ethnobotanical Survey and Phytopharmacological Evaluation of Indigenous plants used for stress Management by Bhutia Tribals of Uttarkashi District” In two days National Seminar organized by department of education, Govt. Degree college Khadi, Tehri Garhwal. On 23-24 April 2026.
2. Presented paper entitled “ Enhancing Food and Nutritional Security Through Small Millets Under Changing Climate Conditions in Garhwal Himalayas: A multi Dimentional Approach to Inclusive and sustainable Development amid Globsl Challenges. Organized by Dharmanand Uniyal Govt. Degree College, Narendra Nagar (T.G.) Uttarakhand on 26-28 Feb 2026.
3. Successfully, completed AICTE apporved SWAYAM self placed 8 Week Course “ Indian Traditional Medicinal and Aromatic Plants” successfully during 2024-2025 (25.12.2025)
4. Completed SWYAM online Course certificate, Academic Leadership in Cross Cultural context of higher Educational Institutions July-December, 11.12.2025.

5. Presented Paper in International Conference on Indigenous Knowledge System and Sustainable Development, entitled “ Indigenous Knowledge of Medicinal Plants Used by Bhotiya Tribal Community at Uttarkashi district of Uttarakhand on 9-10 March 2025.
6. Participated Webinar entitled Climate Change and its Impact on Biodiversity by Himalaya Chintan Living and livelihood challenges in the Himalayan Ecosystem organized by Himalaya Unnati Mission (HUM) on 27th Feb 2025.
7. Presented Paper entitled “ Impact of New Education Policy 2020 on higher Education. Opportunities and Challenges in National Seminar on “Understanding NEP-2020: Issues and Challenges” organized by IQAC Cell, Omkaranand Institute of Management & Technology, Rishikesh in collaboration with School of Education, H.N.B. Garhwal University (A Central University), Srinagar (Garhwal) on 15 September 2024.
8. Presented paper entitled “Sustainable Healthcare: Medicinal Plants and Environmental Balance in Ayurveda” in National Seminar on Indian Knowledge System and Environmental Consciousness organized by IQAC Rajkiya Mahavidhyalaya Chinyalisaur, Uttarkashi on 03 September 2024 .
9. 4 Week Energy Literacy Training organized by Energy Swaraj Foundation through SWAYAM 30/3/2024.
10. Participated in SPSR International Webinar on “ Microsponge as a novel strategy of drug delivery System Organized by the Society of Pharmaceutical Sciences and Research on 17 March 2024.
11. Participated in the two day workshop for faculty member on “ Recent Topics in Scientific Advances and Research Innovations sponsored by the SERB by the department of Biosciences and Bioengineering, Indian Institute of Technology, Roorkee, during 9-10 March 2024.
12. Participated in 33rd SPSR webinar on ‘ Strategic Approaches to Research Mastery: Drug Discovery from Herbal Sources with Advanced Instrumentation’ organized by Society of Pharmaceutical Sciences and Research on 17 December 2023.
13. Five days FDP on “ Deep Dive in to Data Science: Statistics and and Data Handling Through Excel and SPSS” organized by Department of Information Technology Dr. M.G.R. Educational and Research Institute, Tamil Nadu held from 9 to 13 October 2023.
14. Online refresher course on environmental studies organized by the UGC Human Resource Development Centre, Aligarh Muslim University held from 16 to 29 August 2023.
15. Participated in National webinar “Bio hydrogen: A Carbon Neutral Fuel” organized by Department of Chemistry , JSS of Technical Education, Noida on 22 July 2023.
16. Participated Refresher Course in Life Sciences (Interdisciplinary) organized by HRDC, Goa University held from 10 January 2023 to 23 January 2023.
17. Presented paper entitled “ The Role of Medicinal Plant in upliftment of livelihood of Hill people in Uttarkashi district, Uttarakhand in National Seminar on Youth Empowerment through Entrepreneurship and skill Development” organized by Government Degree College Narendra Nagar (Tehri Garhwal) Uttarakhand. Held from 25-26 November 2022.
18. Presented paper entitled “Livelihood enhancement of hill women through plant tissue culture in Uttarkashi District, Uttarakhand in National seminar on women and Atmanirbhar Bharat organized by Department of Commerce R.C.U. Govt. P.G. College Uttarkashi, Uttarakhand. 26th and 27th August 2022.

19. Participated One day workshop on women towards financial freedom organized by Department of Sociology, R.C.U. Govt. P.G. College Uttarkashi, Uttarakhand held on 29th July 2022.
20. National level FDP on NAAC Accreditation for teacher Education Institutes organized by Rayat Shikshan Sanstha,s Azad College of Education Satara, Maharashtra, India held from 1st July to 8th July 2022.
21. Participated in International Webinar on “ Challenges & Strategies for Conservation of Natural Resources” organized by Department of Botany GPGC Nagnath-Pokhri, Chamoli, (U.K.) India held on 6 June 2022.
22. One day faculty development program on “Capacity building program on research methodology” organized by Internal Quality Assurance Cell, LLDIMS held on 28th May 2022.
23. Participated in National Webinar on “Traditional Knowledge and Ethnobotany” organised by Botanical Survey of India, Kolkata, India held on 20th April, 2022.
24. Participated in National Intellectual Property Awareness Mission organized by Intellectual Property Office, India and R.C.U. Govt. P.G. College Uttarkashi held on 31 March 2022.
25. Participated in State level webinar on “ Science Popularization in Uttarakhand” organized by IQAC cell DAV PG College, Dehradun on 26 January 2022.
26. One week Faculty Development Program on Emerging Technologies for Sustainable Development. Organized by Amity University, Jaipur held on 20-24th September, 2021.
27. Two-Week Interdisciplinary Refresher Course, For “Advanced Research Methodology Tools and Techniques” organized by Teaching Learning Centre, Ramanujan College University of Delhi held from 30 January-14 February 2021.
28. Participated in one day International webinar entitled “ current trends & future prospectus of plant sciences” organized by Department of Botany, Government College Patharia Dist-Damoh (M.P.) held on 17th December2020.
29. Presented paper entitled “Plants Used in Traditional Health Care of Live Stocks of Uttarkashi, Garhwal Himalayan” International web conference on Resource Management and Biodiversity Conservation to achieve sustainable development. ANRCM, Lucknow held on 11-12/12/ 2020.
30. Participated in National Webinar on “Investor Awareness Program Conducted by Rajarshi school of management and technology Varanashi in association with Ambition Learning Solutions held on 18/11/2020.
31. Two-week International Faculty Development Program on Bioinformatics, Big data and Drug discovery- Prospects and Challenges organized by G.B. Pant Institute of Engineering& Technology Ghurdauri, Pauri Garhwal, Uttarakhand held from 14-24 Sept., 2020.
32. Participated in International Webinar on “ Water crisis in the Himalayan region: Addressing and Tackling the issue organized by Govt. Degree College, Chinyalisaur (Uttarkashi), Uttarakhand held on 30/8/2020
33. Participated National Webinar on “ Ecosystem Services Expanding the application of the concept in a changing World” organized by Department of Botany Dr. Shivanand Nautiyal Gvt. P. G. College Karnpryag, Chamoli held on 16/8/2020.
34. Participated National Webinar on “ Palaeobotany & Dendrochronology jointly organized by Department of Botany Pt. LMS. Govt. P.G. College Rishikesh & Uttarakhand Open University held on 10/8/2020

35. Participated International Webinar on “Himalayan Biodiversity jointly organized by USERC, Uttarakhand and Department of Biotechnology & Department of Life Sciences held on 8/8/ 2020.
36. Participated National Webinar on Women Health and Hygiene during COVID Pandemic” organized by Govt. P. G. College Maldevta (Raipur) Dehradun held on 6/8/2020.
37. Participated National Webinar on “Biodiversity Enrichment and Conservation of Marine Ecosystem” organized by Nature Club of Rajapalayam Rajus College and Wildlife Association of Rajapalayam, held on 1/8/2020.
38. Participated National Webinar on “COVID-19: Herbs and Nutraceuticals for strengthening Immunity” organized by Society of Pharmaceutical Sciences and Research (SPSR) held on 23/7/2020.
39. Participated in National Webinar on “Water Conservation Management and its impact on natural resource Development and Climate Change” organized by R.C.U. Govt. P.G. College Uttarkashi, held on 21/07/2020.
40. Participated in International seminar on “Academic Writing ” Things to know organized by Department of Mathematics, Govt. P.G. College Maldevta, Raipur (Dehradun), Uttarakhand , India held on 17/7/2020.
41. Presented paper entitled Impact of Anthropogenic climate change on wildfire across Uttarkashi District, Uttarakhand. In the Two day National Seminar Forest Fire and Climate Change: Challenges and Solutions organized by H.M.V. P.G. College, Raisi Haridwar, Uttarakhand from 14-15 February, 2020
42. Participated and Presented in International Conference on Contemporary Issues of Climate Change, Conservation of Biodiversity and Natural Resources in Himalayan Environments Paper entitled “Ethno-veterinary uses of some Medicinal plants in Bhagirathi Valley, Uttarkashi, Garhwal Himalaya organized by Department of Zoology Govt. P. G. College New Tehri, Tehri Garhwal Uttarkashi, Uttarakhand, held on 14 & 16 November 2019.
43. Presented paper entitled “Impact of foliar spray of Zinc on *Pelargonium graveolens* essential oil content in “Two day National seminar on Career Counselling in Dynamic World: Issues and Challenges organized by career counselling cell Radhey Hari Government Post Graduate College, Kashipur Uttarakhand, held on 19th and 20th April 2019.
44. Presented a paper title “Impact of climate change on weed encroachment” in National Seminar organized by UPSA UGC-Human Resource Development Centre, Kumaun University, Nainital held on 31 May -1 June 2018.
45. Participated in the Orientation programme organised by HRDC Nainital from 23 May to 20 June 2018.
46. Participated in a workshop on Intellectual Property Rights/Patent Awareness jointly organized by Uttarakhand State Council for Science & Technology, Dehradun & Department of Botany Uttarkashi, held on 15th November 2017.
47. Participated in a Knowledge workshop on “Challenges & Opportunities in Agriculture and & Rural Development in Uttarkashi” organized by DIBER-DRDO, Haldwani under project SARHAD at R.C.U. Govt. P.G. College Uttarkashi held on 27 October 2017.
48. Participated and Presented in Three day’s National Seminar on Crop Diversity and Entrepreneurship development in Himalayan Environment organized by Department of Botany RCU Govt. P.G. College Uttarkashi, Uttarakhand, India paper entitled “Standing Crop Biomass and Net Primary Production of *Pelargonium graveolens* as affected by

foliar Application of Different concentration of Copper Sulphate held on 29 Sep – 1 October 2016.

49. Delivered lectures and organized sessions under discipline Botany in Six days Workshop at R.C.U. Govt. P.G. College Uttarkashi organized by Uttarakhand Open University, Haldwani held on 24-29 May, 2014.
50. Participated One Day workshop “Intellectual Property Rights” organized by R.C.U. Govt. P.G. College Uttarkashi held on 21 March 2014
51. Participated in a workshop on Intellectual Property Rights/Patent Awareness jointly organized by Uttarakhand State Council for Science & Technology, Dehradun & R.C.U. Govt. P.G. College Uttarkashi held on 24th Nov. 2011.
52. Presented paper entitled Standing crop biomass and net primary production of *P. graveolens* cultivation as affected by foliar application of different concentration of Zinc Sulphate organized by World Congress for Man and Nature held on 11 to 13 Nov 2011.
53. Participated in National seminar on “Role of RTI in social Empowerment organized by R.C.U. Govt. P. G. College Uttarkashi held on 17 Nov 2010.
54. Participated and Presented research Paper under the discipline Botany in 3rd Uttarakhand State Science & Technology Congress 2008 at Indian Institute of Technology, Roorkee held from 10-11 Nov 2008.
55. Training in production of Application of Apricot oil in face cream at Gandhigram Trust organized by Centre for Training and Development of Micro Enterprises Gandhigram Trust, Gandhigram, Tamil Nadu from held from 5 to 9 January 2009
56. Training in production of Sanitary Napkins at Gandhigram Trust organized by Centre for Training and Development of Micro Enterprises Gandhigram Trust, Gandhigram, Tamil Nadu held on 5 to 9 January 2009.

Publications

1. Aaradhna Chauhan, **Jai Laxmi Rawat** and Sanjeev Lal 2025. The effect of Season on In - Vitro establishment of *Dalbergia Sissoo* Rox. Annals of Science and Allied Research Vol. 3 (1) June, 2025, 97-102.
2. **Jai Laxmi Rawat**, Aaradhna, Richa Badhani. 2024. The study of ethnoveterinary uses of some important medicinal plants of Bhatwari Block, District Uttarkashi, Uttarakhand. International Journal of Creative Research Thoughts (IJCRT) Volume 12, Issue 7 July 2024. ISSN: 2320-2882.
3. Aaradhna Chauhan, Richa Badhani and **Jai Laxmi Rawat**. 2022. Iconic Indian Women in Stem and their Contributions. 87-94 pp. Women and Atmanirbhar Bharat. ISBN: 978-81-956482-4-5.
4. Richa Badhani, Aaradhna Chauhan and **Jai Laxmi Rawat**. 2022. Study of Ethnomedicinal plants beneficial for Women Health and Fitness. 81-86 pp. Women and Atmanirbhar Bharat. ISBN: 978-81-956482-4-5
5. Aaradhna Chauhan, **Jai Laxmi Rawat** and Richa Badhani. 2022. Study of traditionally used wild edible Plants of district Uttarkashi, Uttarakhand, India. 57-67 pp. Recent Trends and Advances in Medicinal Plants Research. ISBN: 978-81-953735-8-1
6. Richa Badhani, Aaradhna Chauhan and **Jai Laxmi Rawat**. 2022. Ethnomedicinal plants of Bhatwari Block, Uttarkashi. 172-79 pp. Recent Trends and Advances in Medicinal Plants Research. ISBN: 978-81-953735-8-1
7. **Jai Laxmi Rawat**, Richa Badhani and Aaradhna Chauhan. 2022. Medicinally important Wild Edible Fruits of District Uttarkashi, Uttarakhand. 159-171 pp. ISBN: 978-81-953735-8-

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8. Richa Badhani, Aaradhna Chauhan and **Jai Laxmi Rawat**. 2021. Nutritional Aspects of Seabuckthorn to Improve the Livelihood Condition in Gangotri Region. 137-148 pp. ISBN:978-81-89729-54-7
9. **Jai Laxmi Rawat**, Richa Badhani and Aradhana Chauhan. 2021. Plants Used in Traditional Health Care of Livestocks of Uttarkashi, Garhwal Himalaya. A Book: Resource Management and Biodiversity Conservation to Achieve Sustainable Developmental Goals. 87-96 pp. ISBN:978-81-89729-54-7
10. Aaradhna Chauhan, **Jai Laxmi Rawat** and Richa Badhani. 2021. Effect of Surface Sterilants on Survival rate of *Dalbergia sissoo* Roxb. Through Tissue Culture Technique. A Book: Resource Management and Biodiversity Conservation to Achieve Sustainable Developmental Goals. 57-65pp. ISBN:978-81-89729-54-7
11. Perna Pokhriyal, **Jai Laxmi Rawat**, MPS Parmar, Richa Badhani and Aaradhna Chauhan. 2 October 2021. Studies of Fern Flora of Bhagirathi Valley of Uttarkashi, Uttarakhand. Plantica. Volume-2 Issue-2, 742-45.
12. Sanjeev Lal, **Jai laxmi Rawat** and Richa Badhani 2020. Ethnobotanical and medicinal uses of various wild fruit plants of Tehri Garhwal, Uttarakhand (India) Int.J. Curr. Res. Biosci. Plant Biol.7(7), 54-61.
13. Arun Kumar Agrawal, **Jai Laxmi Rawat** and Madhur Agarwal 2018. Evaluation of Lichen Diversity at Uttarkashi District. IJCRT Volume 6, Issue 1, ISSN: 2320:2882.
14. Mahendra Pal Singh Parmar, **Jai Laxmi Rawat** and Richa Badhani; 2016. Edicible disaster in Uttarakhand due to construction of huge lakes, tunnels and roads through the help of outdated technology. ICASET-Page: 30.
15. Arun Kumar **Jai Laxmi Rawat** *Ceratophyllum demersum* L. 2016: New record from Nachiketa tal of Uttarkashi, Uttarakhand India.
16. **Jai Laxmi Rawat** and A.K. Agrawal 2013. Standing crop biomass and net primary production of *P. graveolens* cultivation as affected by foliar application of different concentration of Zinc Sulphate. Floral Diversity and their Conservation. Published by Biotech Books. ISBN:978-81-7622-286-0.

Membership

- **Life Member of Association of plant Science Researchers (M.A.P.S.R.)**
- **Counsellor: Indira Gandhi National Open University (IGNOU)**
- **Counsellor: Uttarakhand Open University (UOU)**

Professional Development

1. Training in production of Sanitary Napkins at Gandhigram Trust organized by Centre for Training and Development of Micro Enterprises Gandhigram Trust, Gandhigram, Tamil Nadu from 5 to 9 January 2009.
2. Training in production of Application of Apricot oil in face cream at Gandhigram Trust organized by Centre for Training and Development of Micro Enterprises Gandhigram Trust, Gandhigram, Tamil Nadu from 5 to 9 January 2009.
3. Participated in the Orientation programme organized by HRDC Nainital from 23 May to 20 June 2018.

4. Two-week International Faculty Development Program on Bio informatics, Big data and Drug discovery- Prospects and Challenges organized by G.B. Pant Institute of Engineering& Technology Ghurdauri, Pauri Garhwal, Uttarakhand. 14-24 Sept., 2020.
5. Two-Week Interdisciplinary Refresher Course, For “Advanced Research Methodology Tools and Techniques” organized by Teaching Learning Centre, Ramanujan College University of Delhi 30 January-14 February 2021.
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7. One day faculty development program on “Capacity building program on research methodology” organized by Internal Quality Assurance Cell, LLDIMS on 28th May 2022.
8. National level FDP on NAAC Accreditation for teacher Education Institutes organized by Rayat Shikshan Sanstha,s Azad College of Education Satara, Maharashtra, India. 1st July to 8th July 2022.
9. Participated One day workshop on women towards financial freedom organized by Department of Sociology, R.C.U. Govt. P.G. College Uttarkashi, Uttarakhand. 29th July 2022.
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11. Online refresher course on environmental studies from 16 to 29 August 2023 organized by the UGC Human Resource Development Centre, Aligarh Muslim University.
12. Five days FDP on “ Deep Dive in to Data Science: Statistics and and Data Handling Through Excel and SPSS” organized by Department of Information Technology Dr. M.G.R. Educational and Research Institute, TamilNadu held from 11 to 13 October 2023.
13. Completed Sixteen Days Advanced Refresher Course (Biology) from 15 to 30 August 2025 organized by Indian Institute of Science, Challakere Campus at Bangalore.
14. Attended 7 days National workshop on Statistics for non-statisticians from 9 to 15 November 2025 organized by statistical Point, West Bengal, India.

Project

Introduction of floriculture and dry flower bio-technologies for income and employment generation among rural population of Uttarkashi District (P-Investigator)	2009- 2012	Completed	DBT, New Delhi
Technology intervention for Wild Resource Utilization for Income and Employment Development at Higher Altitudes of Uttarkashi District (P-Investigator)	2011 - 2013	Completed	DSIR, New Delhi
“Diversifying Livelihood options among Bhutia Tribal Youth of Uttarkashi District: Introduction of Tissue Culture Technology for Horticulture Nurseries Development”	2018- 2022	Completed	DST, New Delhi

I hereby declare that above information is true to the best of my knowledge and belief.

Date-
Place- Uttarkashi

Signature

Dr. Jai Laxmi Rawat
Assistant Prof.
Department of Botany
R.C.U. Govt. P.G. College Uttarkashi