

## Brief Resume



### **Dr. Surender Singh Yadav**

Professor, Department of Botany,

Director, Campus Forestry and Plantation Drives

Maharshi Dayanand University, Rohtak (Haryana) India-124001

Email: [ssyadavindia@mdurohtak.ac.in](mailto:ssyadavindia@mdurohtak.ac.in)

Mobile Number +91-9416902412

**Date of Birth:** 2<sup>nd</sup> December 1978

**Total Publications: 95; Total IF: 130**

**Educational Qualification:**

**Total citations: 2372; H-index: 26; i-10 index: 38**

❖ B.Sc. 1999; M.Sc. (Botany), 2001; Kurukshetra University, Kurukshetra (Haryana) India

❖ Ph.D. (Botany) 2007; Panjab University, Chandigarh, Chandigarh, India

❖ Qualified CSIR-UGC NET, conducted by CSIR, Government of India, New Delhi in 2003

❖ Post-Doctoral Fellowship (2014-15), Carbon Sequestration and Management Center, School of Environment and Natural Resources, The Ohio State University, Columbus (Ohio) USA

### Research and Teaching Experience:

- 2023- Cont... Professor, Dept. of Botany, Maharshi Dayanand University, Rohtak (Haryana)
- 2020-2023 Associate Professor, Dept. of Botany, Maharshi Dayanand University, Rohtak
- 2014-2015 Visiting Scientist, The Ohio State University, Columbus (Ohio) USA
- 2008-2020 Assistant Professor, Dept. of Botany, Maharshi Dayanand University, Rohtak
- 2006-2008 Scientific Officer, National Institute of Pharmaceutical Education & Research, Mohali
- 2005-2006 Lecturer in Botany, GGDSD College, Sector 32, Chandigarh
- 2002-2004 Research Fellow, Centre for Environment Studies, Panjab University, Chandigarh

### Other Professional Experience:

- ❖ Professor Incharge, Herbal Garden, MDU Rohtak
- ❖ Co-ordinator, University Outreach Programme and MDU Think Tank
- ❖ Nodal Officer, Ek Bharat Shreshtha Bharat Programme, MDU Rohtak
- ❖ Convener, Sub-Committee for Survey of Horticultural Works of MDU, Rohtak
- ❖ Convener, Society for Education and Environment Development (SEED Society), Haryana
- ❖ Member, State Advisory Group, Haryana State Biodiversity Board
- ❖ Member, Executive Council & Academic Council, Maharshi Dayanand University, Rohtak (Haryana)
- ❖ Co-ordinator, Alumni Relations, Dept. of Botany, MDU Rohtak
- ❖ Nodal Officer, State Level Essay Writing Competition by HSCST, Govt. of Haryana
- ❖ Programme Officer, Youth Red Cross of University (2009–2015)
- ❖ Co-convener, Competitive Events Committee, 25<sup>th</sup> National Youth Festival (2017)

### Specific Contribution in the Field of Ecology, Environment and Biodiversity

- Published 95 Research/Review articles in reputed National & International Journals
- Conducting Research on ecology, ethnopharmacology and biodiversity of medicinal plants since 2002
- Done Ph.D. on “Ecological Status of Medicinal and Aromatic Plants of Haryana State” 2007
- Teaching Ecology and Biodiversity to M.Sc. students of M.D. University, Rohtak since 2008
- Organized national seminar on “Biodiversity: Concerns and Solutions” at MDU Rohtak in 2009
- Organized national conference on “Biodiversity: Challenges and Opportunities” at MDU Rohtak in 2011
- Delivered more than 50 Extension Lectures, Radio Talks on Ecology, Environment and Biodiversity.
- Organized biodiversity conservation and environment awareness programmes in different districts of Haryana
- Quiz Master of Maharshi Dayanand University, Rohtak and HSCST Panchkula since 2009 till date.
- Organized national seminar on “Biodiversity: Status and Significance” at MDU Rohtak in 2017

### Awards, Honours, Fellowships and Recognition in the field of Ecology, Environment and Biodiversity

- ❖ Awarded Major Research Grant by SERB-DST, New Delhi, Govt. of India, 2022-25
- ❖ Awarded Major Research Grant by HSCST, Department of Science & Technology, Govt. of Haryana, 2017-20
- ❖ Awarded Science Academies’ (IASc-INSa-NASi) Summer Research Fellowship at BSI Pune, 2016
- ❖ Awarded 1<sup>st</sup> Position in Research Paper Presentation in National Seminar at CBLU, Bhiwani, 2016
- ❖ Awarded Certificate of Appreciation by Department of Forest, Government of Haryana, 2014 & 2017
- ❖ Awarded Raman Post-Doctoral Research Fellowship by UGC, Govt. of India to work in USA, 2014-15
- ❖ Awarded Major Research Grant by HSCST, Department of Science & Technology, Govt. of Haryana, 2012-15
- ❖ Awarded Major Research Project Grant, University Grants Commission, New Delhi, India, 2011-14
- ❖ Awarded Minor Research Grant by R K Fund, MD University, Rohtak, Haryana, India, 2010, 2016
- ❖ Awarded DS Kothari Postdoctoral Fellowship, University Grants Commission, New Delhi, 2008
- ❖ Awarded Junior Scientist Award by National Environmental Sciences Academy, New Delhi, India, 2006
- ❖ 1<sup>st</sup> Position, National Level Debate Competition, MJP Rohilkhand University, Bareilly, India, 2000
- ❖ University Gold Medal in Quiz Contest, Kurukshetra University, Kurukshetra, India, 1999

## Full Biodata

### **Dr. Surender Singh Yadav**

Professor, Department of Botany

Director, Campus Forestry and Plantation Drives

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**Post-Doctoral Research Experience (2014-15):** Visiting Scholar, Carbon Management and Sequestration Center, School of Environment and Natural Resources, The Ohio State University, Columbus (Ohio) USA

### **Academic Qualification:**

| Exam passed                                                                                         | Board/University          | Year | Roll No. | Percentage | Division        |
|-----------------------------------------------------------------------------------------------------|---------------------------|------|----------|------------|-----------------|
| Matric                                                                                              | B.S.E.H, Bhiwani, India   | 1994 | 631035   | 69.83      | 1 <sup>st</sup> |
| 10+2                                                                                                | B.S.E.H, Bhiwani, India   | 1996 | 733311   | 63.50      | 1 <sup>st</sup> |
| B.Sc.                                                                                               | K.U. Kurukshetra, India   | 1999 | 579248   | 63.40      | 1 <sup>st</sup> |
| M.Sc.(Botany)                                                                                       | K.U. Kurukshetra, India   | 2001 | 244862   | 67.60      | 1 <sup>st</sup> |
| B.Ed.                                                                                               | M.D.U. Rohtak, India      | 2002 | 169891   | 64.22      | 1 <sup>st</sup> |
| N.E.T.                                                                                              | C.S.I.R.-New Delhi, India | 2003 | 319702   | --         | --              |
| Ph.D.                                                                                               | P.U. Chandigarh, India    | 2007 | 1113     | --         | --              |
| <b>Title of Ph.D. Thesis: "Ecological Status of Medicinal and Aromatic Plants of Haryana State"</b> |                           |      |          |            |                 |

### **Employment Record**

| Period of service                | Name of Institution                                                         | Post held                        | Nature of work               |
|----------------------------------|-----------------------------------------------------------------------------|----------------------------------|------------------------------|
| <b>August 20, 2023-Till date</b> | <b>Maharshi Dayanand University, Rohtak (Haryana) INDIA</b>                 | <b>Professor</b>                 | <b>Teaching and Research</b> |
| August 20, 2020-August 19, 2023  | Maharshi Dayanand University, Rohtak (Haryana) INDIA                        | Associate Professor              | Teaching and Research        |
| August 20, 2008-August 19, 2020  | Maharshi Dayanand University, Rohtak (Haryana) INDIA                        | Assistant Professor              | Teaching and Research        |
| July 01, 2008 to August 19, 2008 | Kishan Lal Public (KLP) College, Rewari (Haryana)                           | Lecturer                         | Teaching and Research        |
| Nov. 30, 2006 to June 30, 2008   | National Institute of Pharmaceutical Education and Research (NIPER), Mohali | Scientific Officer (Ethnobotany) | Research and Development     |
| July 10, 2005 to March 31, 2006  | GGDSD College, Chandigarh (INDIA)                                           | Lecturer                         | Teaching and Research        |
| June 07, 2002 to July 31, 2004   | Panjab University, Chandigarh (INDIA)                                       | Project Fellow                   | Research and Development     |

## **Administrative Assignments**

1. **Director, Campus Forestry and Plantation Drives, MDU Rohtak since June 2025**
2. **Deputy Director**, Campus Forestry, M. D. University, Rohtak (2020-25)
3. **Nodal Officer** and Knowledge Partner in Vigyan Jyoti Programme of DST
4. **Nodal Officer**, Ek Bharat Shreshtha Bharat Programme, MDU Rohtak
5. **Nodal Officer**, State Level Essay Writing Competition, HSCST, Govt. of Haryana
6. **Coordinator, University Outreach Progarmme, MDU Rohtak since 2018**
7. **Coordinator**, MDU Think Tank Debating Club since 2013
8. **Coordinator**, Systematic Voters Education & Electoral Participation (SVEEP) Program
9. **Convener**, Sub-Committee for Complete Survey of Horticultural Works in MDU
10. **Convener, Society for Education and Environment Development (SEED) Society**
11. **Convener**, Flying Squad Team, M.D.University, Rohtak
12. **General Secretary, Faculty Club, MDU Rohtak (2020-23)**
13. **Program Officer**, Youth Red Cross, MDU Rohtak (2009-2014)
14. **Liaison Officer**, All India Inter-University (NW Zone) Youth Festival
15. **Quiz Maser of HSCST for Conducting zonal and state level science quizzes**
16. **Quiz Maser of MDU, KUK, IGU Rewari, CBLU Bhiwani, CRSU Jind, PbU Patiala**
17. **University Nominee**, Governing Body of RDS Public Girls College, Rewari
18. **University Nominee**, Governing Body of Bala Ji College of Education, Ballabgarh
19. **Member, Executive Council, M.D.Univesity, Rohtak (2021-23)**
20. **Member, Academic Council, M.D.Univesity, Rohtak (2011-13 and 2022..conti..)**
21. **Member, State Advisory Group, Haryana State Biodiversity Board**
22. **Member**, UGBOS, PGBOS and DRC in Dept. of Botany, MDU Rohtak
23. **Member**, Campus Sports Committee, MDU Rohtak 2022-23
24. **Member**, Environmental Sustainability Management Cell, MDU Rohtak
25. **Member, Grievances Committee of the Non-Teaching Employees of MDU Rohtak**
26. **Member**, Solid Waste Management Committee of MDU, Rohtak
27. **Member**, Biodiversity Management Committee of MDU Rohtak
28. **Member**, Steel Furniture Items Purchase Committee of MDU Rohtak
29. **Member**, MDU Green Audit and Eco-friendly Campus Committee
30. **Member**, Project Implementation Group for DST-FIST Program
31. **Member, UMC Committee, M.D. University, Rohtak**
32. **Member**, Campus Sports Committee, MDU Rohtak
33. **Member**, Various inspection and selection committees

## **Research Accomplishments**

**Total Publications: 95 ; Total Impact factor: 130**

**Book: 01; Book Chapters: 11; Conference Proceedings: 04**

**Total citations: 2372; H-index: 26; i-10 index: 38**

**Total Major Research Project Completed: 05**

**Total Ph.D. Supervised: 07; Now pursuing: 05**

**Total M.Sc. students supervised: 90**

**Paper Presentation: 55**

**Participation in seminars/conferences: 40**

### **List of Completed Major Research Projects (05)**

| SN | Title of project proposal                                                                                                                                                | Funding agency                                                                        | Duration | Amount (Rs.) |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------|--------------|
| 5  | Ecological Status, Impact and Mechanism of Spread of Invasive Flora in Aravalli Hill Ranges of Haryana State                                                             | SERB-DST<br>Government of India,<br>New Delhi                                         | 2022-25  | 33,07,832.00 |
| 4  | Invasive Alien Plants in Himalayas: Status, Ecological Impact and Management" sponsored by Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi | MoEF&CC,<br>Government of India,<br>New Delhi                                         | 2018-21  | 42,65,000.00 |
| 3  | Bioprospection of Medicinal Flora of Aravalli Hill Ranges of Haryana                                                                                                     | Haryana State Council for Science and Technology (HSCST), Govt. of Haryana, Panchkula | 2017-20  | 5,01,380.00  |
| 2  | Exploration and Documentation of Ethnoveterinary Medicine in Central and Southern Haryana with special reference to Rohtak & Mahendergarh                                | Haryana State Council for Science and Technology (HSCST) Govt. of Haryana, Panchkula  | 2012-15  | 6,75,000.00  |
| 1  | Ecological Status and Ethnobotanical Potential of Village Community Forests (VCFs) of District Jhajjar (Haryana)                                                         | University Grants Commission (UGC),<br>New Delhi                                      | 2011-14  | 8,15,920.00  |

**List of students who have successfully completed Ph.D. under my supervision: 07**

| SN | Name of the Research Scholar                             | Title of Ph.D. Thesis                                                                                       | Date of Award     |
|----|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------|
| 7  | <b>Neetu Singh</b><br>(13-GCKOW-0273)                    | Pharmacological Evaluation of some selected spices and their semi-synthetic derivatives                     | <b>27-09-2024</b> |
| 6  | <b>Amrender Singh Rao</b><br>(Regn. No. 1412350006)      | Bioprospection of medicinal flora of Aravalli hill ranges of Haryana, India                                 | <b>06-11-2023</b> |
| 5  | <b>Abhishek Nandal</b><br>(Regn. No. 13JHMCR3699)        | Carbon Sequestration Potential of Selected Tree Species in MD University Campus, Rohtak (Haryana) India     | <b>06-11-2023</b> |
| 4  | <b>Pradeep Bansal</b><br>(98-VB-764)                     | Studies on Ornamental Plants of District Rewari (Haryana) India                                             | <b>31-03-2023</b> |
| 3  | <b>Surender Singh</b><br>(05-GNJ-648)                    | Ecological Assessment of Village Ponds of District Jhajjar (Haryana) India                                  | <b>02-02-2018</b> |
| 2  | <b>Showkat Ahmad Ganie</b><br>(Regn. No. 14/Ph.D./Bot-1) | Bioprospection of <i>Holoptelea integrifolia</i> (Roxb.) Planch for its Application in Traditional Medicine | <b>25-04-2016</b> |
| 1  | <b>Makhan Singh</b><br>(Regn. No. 194-GN-215)            | Floristic Diversity of District Mahendergarh (Haryana) India                                                | <b>14-12-2015</b> |

**List of students who are pursuing Ph.D. at present under my supervision: 05**

| SN | Name of the Research Scholar            | Title of Ph.D. Thesis                                                                                                         | Date of Registration |
|----|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 5  | <b>Anju Hooda</b><br>(2318031029)       | Floristic Diversity, Ethnobotanical Uses and Pharmacological Properties of Family Cucurbitaceae                               | <b>28-02-2025</b>    |
| 4  | <b>Hitesh Tanwar</b><br>(1513302301)    | Floristic Diversity, Ethnobotanical Uses and Pharmacological Properties of Family Asteraceae in South Haryana                 | <b>28-02-2025</b>    |
| 3  | <b>K C Meena</b><br>(2218031028)        | Assessing the Role of Community Forests in Plant Diversity Conservation and Climate Change Mitigation in South Haryana, India | <b>16-03-2024</b>    |
| 2  | <b>Pritam Hasanpuri</b><br>(1514140920) | Ethnobotany, Ethnopharmacology and phytotoxicity of <i>Trianthema portulacastrum</i> L.                                       | <b>13-06-2022</b>    |
| 1  | <b>Naveen Kataria</b><br>(2018031022)   | Phytosociological, Pharmacological and phytotoxic studies on <i>Verbesina enceliodes</i>                                      | <b>13-06-2022</b>    |

**List of the students who have completed M.Sc. Dissertation under my supervision: 90**

| SN | Name of the Student                      | Title of M.Sc. Dissertation                                                                                                      | Year |
|----|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------|
| 90 | <b>Yasna</b><br>Roll. No. 1402444        | Assessing Phytochemical Composition and Phytotoxicity of <i>Neltuma juliflora</i> (Sw.) Raf.                                     | 2025 |
| 89 | <b>Tannu</b><br>Roll. No. 1402438        | Preliminary Phytochemical Assessment, Antioxidant & Antibacterial Potential of <i>Albizia lebbeck</i> (L.) Benth.                | 2025 |
| 88 | <b>Tannu Dalal</b><br>Roll. No. 1402439  | Preliminary Phytochemical Assessment, Antioxidant & Antibacterial Potential of <i>Blumea lacera</i> (Burm.f.) DC.                | 2025 |
| 87 | <b>Sugam</b><br>Roll. No. 1402437        | Assessing Phytochemical Composition and Phytotoxicity of <i>Chenopodium murale</i> L.                                            | 2025 |
| 86 | <b>Prerna</b><br>Roll. No. 1402422       | Preliminary Phytochemical Assessment, Antioxidant and Antibacterial Potential of <i>Moringa oleifera</i> Lam.                    | 2025 |
| 85 | <b>Prachi</b><br>Roll. No. 1402421       | Phytotoxic Effects of <i>Leucaena leucocephala</i> (Lam.) de Wit on <i>Hordeum vulgare</i> and <i>Phalaris minor</i>             | 2025 |
| 84 | <b>Nancy</b><br>Roll. No. 1402418        | Preliminary Phytochemical Assessment, Antioxidant & Antibacterial Potential of <i>Heliotropium curassavicum</i> L.               | 2025 |
| 83 | <b>Minal</b><br>Roll. No. 1402417        | Assessing Phytochemical Composition and Phytotoxicity of <i>Lantana camara</i> L.                                                | 2025 |
| 82 | <b>Jyoti</b><br>Roll. No. 1402412        | Assessing Phytochemical Composition and Phytotoxicity of <i>Parthenium hysterophorus</i> L.                                      | 2025 |
| 81 | <b>Ankita</b><br>Roll. No. 1402403       | Assessment of Phytochemical, Antioxidant and Antibacterial Activities of <i>Coriandrum sativum</i> L.                            | 2025 |
| 80 | <b>Monika</b>                            | Phytochemical, Antimicrobial & Antioxidant Assessment of <i>Ferula asafoetida</i> L.                                             | 2024 |
| 79 | <b>Bhawna</b>                            | Preliminary Phytochemical Screening, Antimicrobial & Antioxidant Potential of <i>Syzygium aromaticum</i> (L.) Merr. & L.M. Perry | 2024 |
| 78 | <b>Khusbhoo</b>                          | Allelopathic Effect of <i>Melilotus officinallis</i> (L.) Pall Leaf Extract on <i>Avena sativa</i> & <i>Phalaris minor</i>       | 2024 |
| 77 | <b>Robin</b>                             | Phytochemical Screening, Antioxidant & Phytotoxicity Assessment of <i>Convolvulus arvensis</i> (L.)                              | 2024 |
| 76 | <b>Punit Malik</b>                       | Phytochemical Analysis, Antimicrobial & Antioxidant Activity of <i>Zingiber officinale</i> Roscoe                                | 2024 |
| 75 | <b>Garima</b>                            | Phytochemical, Antimicrobial & Antioxidant Assessment of <i>Nigella sativa</i> L.                                                | 2024 |
| 74 | <b>Sumit</b>                             | Phytochemical Estimation, Antioxidant& Phytotoxicity Potential of <i>Stellaria media</i> (L.) Vill.                              | 2024 |
| 73 | <b>Muskan</b>                            | Phytochemical Screening, Antimicrobial & Antioxidant Evaluation of <i>Trachyspermum ammi</i> (L.) Sprague ex Turrill             | 2024 |
| 72 | <b>Khushwant</b>                         | Phytochemical, Antimicrobial and Antioxidant Investigation of <i>Ammomum subulatum</i> Roxb.                                     | 2024 |
| 71 | <b>Tamanna Devi</b><br>Roll. No. 2032193 | Exploration & Documentation of Ethnomedicinal Plants used for Treating Menstrual Disorders in Haryana                            | 2023 |
| 70 | <b>Neelam Devi</b><br>Roll. No. 2032180  | Analysis of Physicochemical Properties of soils Invaded and Uninvaded with <i>Prosopis juliflora</i>                             | 2023 |

|    |                                              |                                                                                                                               |      |
|----|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------|
| 69 | <b>Manita</b><br>Roll. No. 2032179           | Preliminary Phytochemical Analysis, Antioxidant & Antimicrobial Activities of <i>Tridax procumbens</i> L.                     | 2023 |
| 68 | <b>Kajal Turan</b><br>Roll. No. 2032175      | Analysis of Physicochemical Properties of soils Invaded and Uninvaded with <i>Verbesina enceliodes</i>                        | 2023 |
| 67 | <b>Isha Jindal</b><br>Roll. No. 2032172      | Exploration and Documentation of Ethnomedicinal Plants used for Cardiac Care in Gurugram (Haryana)                            | 2023 |
| 66 | <b>Himanshi</b><br>Roll. No. 2032170         | Exploration and Documentation of Ethnomedicinal Plants used for Curing Diabetes in Rohtak city (Haryana)                      | 2023 |
| 65 | <b>Anjali</b><br>Roll. No. 2032166           | Exploration of Ethnomedicinal Plants used for Orthopaedic Purposes in District Alwar (Rajasthan)                              | 2023 |
| 64 | <b>Ajay</b><br>Roll. No. 2032195             | Preliminary Phytochemical Analysis, Antioxidant and Antibacterial Activities of <i>Bryophyllum pinnatum</i> (Lam.) Oken       | 2023 |
| 63 | <b>Aditi</b><br>(Roll No. 2032163)           | Preliminary Phytochemical Analysis and Evaluation of Antioxidant and Antibacterial Activities of <i>Oxalis corniculata</i> L. | 2023 |
| 62 | <b>Tamanna</b><br>Roll. No. 4085790          | Exploration and documentation of religious and ceremonial plants of District Rohtak & adjoining areas                         | 2022 |
| 61 | <b>Sangeeta Yadav</b><br>Roll. No. 4085786   | Phytochemical Analysis, Antioxidant and Antibacterial Activities of <i>Cannabis sativa</i> L.                                 | 2022 |
| 60 | <b>Sangeeta Deshwal</b><br>Roll. No. 4085785 | Phytochemical Analysis, Antioxidant and Antibacterial Activities of <i>Coriandrum sativum</i> L.                              | 2022 |
| 59 | <b>Pooja Mehra</b><br>Roll. No. 4085774      | Phytochemical Analysis, Antioxidant & Antibacterial Activities of <i>Lantana camara</i> L.                                    | 2022 |
| 58 | <b>Nikita Kataria</b><br>Roll. No. 4085769   | Phytochemical Analysis, Antioxidant and Antibacterial Activities of <i>Prosopis juliflora</i> (Sw.) DC.                       | 2022 |
| 57 | <b>Disha</b><br>Roll. No. 4085756            | Ethnomedicinal plants used for skin care and cosmeceutical purposes in different parts of Haryana                             | 2022 |
| 56 | <b>Bhawna</b><br>Roll. No. 4085753           | Phytochemical Analysis, Antioxidant and Antibacterial Activities of <i>Terminalia arjuna</i> (Roxb. ex DC.) Wight & Arn.      | 2022 |
| 55 | <b>Sonu Kumari</b><br>(Roll No. 1031029)     | Ethanobotany, Phytochemistry and Pharmacological activities of <i>Tinospora sinensis</i> (Lour.) Merr.                        | 2021 |
| 54 | <b>Reena</b><br>(Roll No. 1031023)           | Ethnomedicinal uses and Pharmacological activities of <i>Aegle marmelos</i> (L.) Correa                                       | 2021 |
| 53 | <b>Nishu</b><br>(Roll No. 1031017)           | Ethnomedicinal uses, phytochemical composition and pharmacological activities of <i>Calotropis procera</i> (Aiton) Dryand.    | 2021 |
| 52 | <b>Pooja</b><br>(Roll No. 1031018)           | Revisiting traditional uses, phytochemistry and pharmacology of <i>Phyllanthus emblica</i> L.                                 | 2021 |
| 51 | <b>Mamta</b><br>(Roll No. 1031009)           | Ethnobotanical, Phytochemical and Pharmacological studies on <i>Azadirachta indica</i> A. Juss.                               | 2021 |
| 50 | <b>Pooja</b><br>(Roll No. 1031019)           | Ethnobotanical, phytochemical and pharmacological studies on <i>Coriander sativum</i> L.                                      | 2021 |
| 49 | <b>Naveen</b><br>(Roll No. 1031035)          | Traditional uses, phytochemistry, ethnopharmacology and toxicity of <i>Cannabis sativa</i> L.                                 | 2021 |

|    |                                             |                                                                                                                                |      |
|----|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------|
| 48 | <b>Renu</b><br>(Roll No. 9387164)           | A Comprehensive Review on Ethnobotany, Phytochemistry, Antimicrobial and Antioxidant Properties of <i>Martynia annua</i> Linn. | 2020 |
| 47 | <b>Poonam</b><br>(Roll No. 9387143)         | Ethnobotanical survey on cosmeceutical plants of Bhiwani City (Haryana) - India                                                | 2020 |
| 46 | <b>Himanshi Rohaj</b><br>(Roll No. 9387155) | A review on ethnobotany, phytochemistry and pharmacology of <i>Trachyspermum ammi</i> (L.) Sprague                             | 2020 |
| 45 | <b>Anita Kumari</b><br>(Roll No. 9387147)   | A Comprehensive Review on phytochemistry, ethnomedicinal uses and pharmacological potential of <i>Piper nigrum</i> (L.)        | 2020 |
| 44 | <b>Rohit Soni</b><br>(Roll No. 9387177)     | Ecological and economical benefits of urban green space- a case study of Rohtak (Haryana)                                      | 2020 |
| 43 | <b>Rahul Pannu</b><br>(Roll No. 9387175)    | Exploration of Ethnomedicinal Knowledge of Road Side Healers/Quacks in Haryana                                                 | 2020 |
| 42 | <b>Shruti</b><br>(Roll No. 8559613)         | Assessment of Antimicrobial, Antioxidant and Phytochemical potential of <i>Martynia annua</i> L.                               | 2019 |
| 41 | <b>Jyoti</b><br>(Roll No. 8559606)          | Ethnopharmacological Potential of <i>Holarrhena pubescens</i> Wall.ex G.Don                                                    | 2019 |
| 40 | <b>Hanuman</b><br>(Roll No. 8559610)        | Physico-chemical Analysis of Crop Soil of Julana Block, District Jind (Haryana) India                                          | 2019 |
| 39 | <b>Gayatri</b><br>(Roll No. 8559602)        | Assessment of Antimicrobial, Antioxidant and Phytochemical potential of <i>Wrightia tinctoria</i> R.Br.                        | 2019 |
| 38 | <b>Anita</b><br>(Roll No. 8559632)          | Ethnomedicinal Survey of Medicinal Plants of Badhra Block, Charkhi Dadri (Haryana)                                             | 2019 |
| 37 | <b>Anil</b><br>(Roll No. 8559615)           | Physico-chemical Analysis of Crop Soil of Kalanaur Block, Rohtak (Haryana) India                                               | 2019 |
| 36 | <b>Sunil</b><br>(Roll No. 1574039)          | Enlisting of Floristic Diversity of Hodal Block (Haryana) India                                                                | 2018 |
| 35 | <b>Shekhar</b><br>(Roll No. 1574038)        | Inventorization of Tree Flora of Kalanaur Block, Rohtak (Haryana) India                                                        | 2018 |
| 34 | <b>Priyanka</b><br>(Roll No. 1574023)       | Weed Flora of Khol Block, Rewari (Haryana) India                                                                               | 2018 |
| 33 | <b>Priya</b><br>(Roll No. 1574022)          | Phytochemical analysis, antioxidant & antibacterial activity of <i>Tephrosia purpurea</i> (L.) Pers.                           | 2018 |
| 32 | <b>Neetu</b><br>(Roll No. 1574012)          | Biomass and Carbon Stock Estimation of Some Selected Trees in MDU Campus, Rohtak (Haryana)                                     | 2018 |
| 31 | <b>Naveen</b><br>(Roll No. 1574036)         | Physico-chemical Analysis of Pond Water of Kalanaur, Rohtak (Haryana) India                                                    | 2018 |
| 30 | <b>Monika Yadav</b><br>(Roll No. 1574009)   | Phytochemical Analysis, Antioxidant and Antibacterial Activities of <i>Leptadenia pyrotechnica</i> (Forssk.) Decne             | 2018 |
| 29 | <b>Jyoti Kataria</b><br>(Roll No. 1574006)  | Phytochemical analysis, antioxidant & antibacterial activities of <i>Murraya koenigii</i> (L.) Spreng.                         | 2018 |
| 28 | <b>Gajender Duhan</b><br>(Roll No. 1574035) | Physico-Chemical Properties of Drinking Water of Kalanaur Block, Rohtak District (Haryana) India                               | 2018 |
| 27 | <b>Abhishek</b><br>(Roll No. 1574032)       | Carbon Stock Estimation of Some Dominant Trees in MDU Campus, Rohtak (Haryana)                                                 | 2018 |
| 26 | <b>Ritu Rani</b><br>(Roll No. 2137121)      | Ethnomedicinal Plants of Aravalli Hill Ranges of Haryana                                                                       | 2017 |

|    |                                             |                                                                                                     |      |
|----|---------------------------------------------|-----------------------------------------------------------------------------------------------------|------|
| 25 | <b>Minakshi</b><br>(Roll No. 2137111)       | Wild Edible Plants of Tauru Block, District Nuh (Haryana)                                           | 2017 |
| 24 | <b>Mona Dahiya</b><br>(Roll No. 2137112)    | Floristic Enumeration of some Aravalli Hill Ranges of Southern Haryana, India                       | 2017 |
| 23 | <b>Isha Kunger</b><br>(Roll No.2137106)     | Antioxidant Activity and Total Phenolic Content of Leaves of <i>Argemone mexicana</i> Linn.         | 2017 |
| 22 | <b>Neha Singh</b><br>(Roll No.2137115)      | Antioxidant Activity and Total Phenolic Content of <i>Ziziphus Jujuba</i> Mill. var. <i>sebgola</i> | 2017 |
| 21 | <b>Latisha Teotia</b><br>(Roll No. 2137108) | Antioxidant Activity and Total Phenolic Content of <i>Ziziphus jujuba</i> Mill.var. <i>umran</i>    | 2017 |
| 20 | <b>Tarsem Nain</b><br>(Roll No. 2137140)    | Physico-Chemical Properties of Pond Water of Narwana Block, District Jind (Haryana) India           | 2017 |
| 19 | <b>Mamta Rohilla</b><br>(Roll No. 2137110)  | Antioxidant Activity and Total Phenolic Content of <i>Ziziphus jujuba</i> Mill. var. <i>gola</i>    | 2017 |
| 18 | <b>Vineeta Yadav</b><br>(Roll No. 6215104)  | Antimicrobial Activity of <i>Neolamarckia cadamba</i> (Roxb.) Bosser                                | 2016 |
| 17 | <b>Sapna Rawat</b><br>(Roll No. 6215101)    | Antioxidant Activity of <i>Cinnamomum tamala</i> (Buch.-Ham.) T. Nees & Eberm.                      | 2016 |
| 16 | <b>Ritika</b><br>(RN. 6215098)              | Antioxidant Activity of <i>Trigonella foenum-graecum</i> L.                                         | 2016 |
| 15 | <b>Parul Sangwan</b><br>(Roll No. 6215090)  | Antioxidant Activity of <i>Foeniculum vulgare</i> Mill.                                             | 2016 |
| 14 | <b>Monika Sangwan</b><br>(RN. 6215083)      | Antimicrobial Activity of <i>Orobancha aegyptiaca</i> L.                                            | 2016 |
| 13 | <b>Jyoti</b><br>(R.N. 6215075)              | Antimicrobial Activity of <i>Chenopodium murale</i> L.                                              | 2016 |
| 12 | <b>Amit Lathia</b><br>(Roll No. 6215106)    | Floristic Diversity of Tilyar Lake, Rohtak (Haryana) India                                          | 2016 |
| 11 | <b>Suman</b><br>(Roll No. 5577429)          | Macrophytic Diversity of Ponds in Bahadurgarh Block, Jhajjar (Haryana)                              | 2014 |
| 10 | <b>Sushila</b><br>(Roll No. 5077431)        | Survey of Sacred Plants used in Various Rituals and Ceremonies in District Bhiwani (Haryana) India  | 2014 |
| 9  | <b>Sarita Sharma</b><br>(Roll No. 5077424)  | Floristic Diversity of Sultanpur National Park, Gurgaon (Haryana)                                   | 2014 |
| 8  | <b>Anju Kataria</b><br>(Roll No. 5077402)   | Ethnomedicinal Plants used in Gynaecological Problems in Ateli Block (Mahendergarh), Haryana        | 2014 |
| 7  | <b>Kuldeep Dahiya</b><br>(Roll No. 5077437) | Antimicrobial Activity of <i>Aegle marmelos</i> (L.) Correa                                         | 2014 |
| 6  | <b>Upasana</b><br>(Roll No. 5077431)        | Inventorisation of Ornamental Plants of Nurseries in Rohtak City                                    | 2014 |
| 5  | <b>Vimal Singh</b><br>(Roll No. 4675280)    | Inventorisation of Tree Flora of Maharshi Dayanand University, Rohtak (Haryana)                     | 2013 |
| 4  | <b>Sarita Suhag</b><br>(Roll No. 4675274)   | Plant Species Diversity in Home Gardens in Maharshi Dayanand University, Rohtak                     | 2013 |
| 3  | <b>Priti</b><br>(Roll No. 4675269)          | Enumeration of Weed Flora in Maharshi Dayanand University, Rohtak (Haryana)                         | 2013 |
| 2  | <b>Madhu Bala</b><br>(Roll No. 4675261)     | Survey of Ornamental Plants in Maharshi Dayanand University, Rohtak (Haryana)                       | 2013 |
| 1  | <b>Ravinder</b><br>(Roll No. 4675270)       | Ethnoveterinary Medicinal Plants of Tosham Block of District Bhiwani, Haryana                       | 2013 |

## List of Research/Review Publications (95)

- 95) K. C. Meena, Neetu Singh, Archana Meena, M.S. Bhandoria and **S. S. Yadav\*** (2025). Ecological Status, Distribution and Conservation Strategies of *Terminalia coronata* in the Community Forests of South Haryana, India. *Journal of Threatened Taxa* (**Scopus Indexed**). **Accepted**
- 94) Singh, N., **S.S. Yadav\***, Kumar, S., Narasihman, B., Ramasamy, K., Lim, S.M., and Shah, S.A.A. (2025) Synthesis, characterization, biological and *in-silico* evaluation of cuminaldehyde derivatives. *BMC Chemistry*. **19**, 272 <https://doi.org/10.1186/s13065-025-01432-2>. (**Impact Factor: 4.6**)
- 93) K.C. Meena, Neetu Singh, M.S. Bhandoria, Pradeep Bansal and **S.S. Yadav\*** (2025). Floristic Diversity of the Family Fabaceae (Leguminosae) in Community Forests of South Haryana, India. *Legume Research* 48(10): 1712-1720. doi: 10.18805/LR-5515 (**Impact Factor: 0.8**)
- 92) Kataria, N., Hasanpuri, P., Kumar, H., Sharma, P., Singh, N., & Yadav, S. S. (2025). Ethnobotany, pharmacology, phytochemistry and phytotoxicity of *Verbesina encelioides* (Cav.) Benth. & Hook. f. ex A. Gray (Wild Sunflower). *South African Journal of Botany*, 185: 712-725. (**Impact Factor: 4.3**)
- 91) Singh, N., S.S. Yadav\*, Kumar, S., Narasihman, B., Ramasamy, K., Lim, S.M., and Shah, S.A.A. (2025) Synthesis, characterization, in-vitro and in-silico therapeutic studies of cinnamaldehyde derivatives. *Journal of Molecular Structure*. Volume 1321, Part 5 140165 <https://doi.org/10.1016/j.molstruc.2024.140165> (**Impact Factor: 4.000**)
- 90) Singh, N. and **S.S. Yadav\*** (2025). Nanotechnological advancement in spices adulteration detection and authenticity validation. *Food Control*. <https://doi.org/10.1016/j.foodcont.2024.110806> (**Impact Factor: 5.6**)
- 89) Singh, N., **S.S. Yadav\***, Kumar, S., Narasihman, B., Ramasamy, K., Lim, S.M., and Shah, S.A.A. (2025) Synthesis, characterization, in-vitro pharmacological assessment and molecular docking studies of trigonelline derivatives. *Journal of Molecular Structure*. <https://doi.org/10.1016/j.molstruc.2025.141544> (**Impact Factor: 4.000**)
- 88) Gulia, S.S., Nandal, N., Rani, S. and **Yadav, S.S.\*** (2025). Navigating Seasonal Water Quality: Implications for Drinking and Agricultural Use in Jhajjar District Wetlands (Haryana) India. *The Holistic Approach to Environment*. Vol. 15(3): 85-103 (**Scopus indexed**)
- 87) Singh, N., **S.S. Yadav\*** and Narasihman, B., (2024). Chemical composition of essential oils of some common culinary spices and their antimicrobial activities. *Journal of Applied and Natural Science*, 16(4), 1679 - 1689. <https://doi.org/10.31018/jans.v16i4.5917>
- 86) Hasanpuri, P., Kataria, N., Kumar, H., Sharma, P., Singh, N. and **Yadav, S.S.\* (2024)** An overview of ethnobotany, pharmacology, phytochemistry and phytotoxicity of *Trianthema portulacastrum* L. *Phytochemistry Reviews*. DOI : 10.1007/s11101-024-10046-w. (**Impact Factor: 7.3**)
- 85) Nandal, A., Rani, S., Yadav, S. S., Kaushik, N., Kataria, N., Hasanpuri, P. and Lal, R. (2024). Soil quality under different tree species in an urban university campus: a multidimensional study. *Environmental Earth Sciences* **83**, 613. <https://doi.org/10.1007/s12665-024-11902-w> (**Impact Factor: 2.8**)

- 84) Nandal, A., **S.S. Yadav\*** and Lal, R. (2024). Examining stakeholder attitudes towards tree ecosystem services and disservices in urban environments: insights from Maharshi Dayanand University, Rohtak. *Arboricultural Journal*. 10.1080/03071375.2024.2413300 (**Scopus indexed**)
- 83) Rawat, R., Kumar, H., Singh, N., Deep, A., Narasimhan, B., **Yadav, S.S.**, Kumar, K. (2024) Comprehensive review on ethnomedicinal, phytochemistry and pharmacological profile of *Ficus religiosa* L. *Journal of Traditional Chinese Medicine*. 44(5): 1052-1057 (**Scopus indexed**)
- 82) **Rao, A.S., S.S. Yadav\***, Singh, N. and Nandal, A. (2024). A review on ethnomedicine, phytochemistry, pharmacology, and toxicology of *Pedaliu murex* L. *Journal of Herbal Medicine* Vo. 47 <https://doi.org/10.1016/j.hermed.2024.100917> (**Impact Factor 2.2**)
- 81) Singh, N. and Sahjlan, P. and **S.S. Yadav\*** (2024) A review on phytochemistry and anticancer therapeutic properties of green tea. *Pharmacological Research-Modern Chinese medicine* <https://doi.org/10.1016/j.prmcm.2024.100484> (**Scopus indexed**)
- 80) Singh, N., **S.S. Yadav\*** and Narasimhan, B. (2024). **Antimicrobial and antioxidant assessment of Trigonella foenum-graecum**. *Legume Research* ISSN No. 0976-0571 Volume 47 Issue 7: 1113-1119 (**Impact Factor 0.8**)
- 79) Singh, N., **S.S. Yadav\*** and Narasimhan, B. (2024). Chemical composition and antioxidant activities of spices essential oils. *Research Journal of Pharmacy and Technology* 17(7): 3367-3374. DOI: 10.52711/0974-360X.2024.00526. ISSNNo. 0974-360X (**Scopus Indexed**)
- 78) Singh, N. and **S.S. Yadav\*** (2024). Antimicrobial and Anticancer Insights of Cinnamaldehyde Schiff bases and Metal complexes. *Inorganic Chemistry Communication*, Vol. 167 <https://doi.org/10.1016/j.inoche.2024.112724> ISSN No. 1387-7003 (**Impact Factor 4.4**)
- 77) Singh, N. and **S.S. Yadav\*** (2024). Anti-dengue therapeutic potential of *Tinospora cordifolia* and its bioactives. *Journal of Ethnopharmacology*, Vol. 330, 118242. <https://doi.org/10.1016/j.jep.2024.118242> ISSN No. 0378-8741 (**Impact Factor 5.4**)
- 76) A. Nandal, S. Rani, **S.S. Yadav\***, N. Kaushik, V. Panghal, S.S. Gulia, G. Duhan, A.S. Rao and S. Kumar (2023) Assessment of Groundwater for Drinking and Irrigation in Kalanaur Block (Rohtak) Haryana, India. *International Journal of Scientific Research in Science and Technology* 10 (5): 226-240 doi:<https://doi.org/10.32628/IJSRST52310536> Print ISSN: 2395-6011 | Online ISSN: 2395-602X
- 75) A. Nandal, **S.S. Yadav\*** and A.J. Nath (2023). Trees Outside Forests as Climate Change Mitigation Champions: Evaluating their Carbon Sequestration Potential and Monetary Value in Maharshi Dayanand University, Rohtak (Haryana) India. *Environmental Monitoring and Assessment* **195**, 995. <https://doi.org/10.1007/s10661-023-11597-9> (**Impact Factor 3.000**)
- 74) A.S. Rao and **S.S. Yadav\*** (2023). Antioxidant, Antimicrobial, and Phytochemical Assessment of *Tephrosia purpurea* (L.) Pers. Extracts. *Ecology, Environment and Conservation*. 29 (August Suppl. Issue): 2023: S239-S250; ISSN 0971-765X (**Scopus indexed**)
- 73) A. Nandal, **S.S. Yadav\***, A.S. Rao, R.S. Mezena and R. Lal (2023). Advance Methodological Approaches for Carbon Stocks Estimation in Forest Ecosystems. *Environmental Monitoring and Assessment* 195:315. <https://doi.org/10.1007/s10661-022-10898-9> (**Impact Factor: 3.307**)

- 72) P. Bansal, A.S. Rao, **S.S. Yadav\***, M.S. Bhandoria and S.S. Dash (2023). Floristic diversity of native wild ornamental plants of Aravalli Hill Ranges: A case study from district Rewari, Haryana, India. *Journal of Threatened Taxa* **15(1): 22479–22493 (Scopus indexed)** <https://doi.org/10.11609/jott.8068.15.1.22479-22493>; eISSN 0974-7907; ISSN 0974-7893 (Print)
- 71) Neetu Singh and **S.S. Yadav\*** (2022) A review on health benefits of phenolics derived from dietary spices. *Current Research in Food Science*. Vol. 5: 1508-1523 [doi.org/10.1016/j.crfs.2022.09.009](https://doi.org/10.1016/j.crfs.2022.09.009) (Impact Factor 6.269)
- 70) Rathee, S., Sharma, M., Ahmad, M., Batish, D.R., Singh, H.P., Kaur, S. and **Yadav, S.S.** (2022) Seed size dimorphism in *Hyptis suaveolens* aids in differentiation of the germination niche. *Plant Biology* 24 (3): 464-472 (Impact Factor: 3.877)
- 69) Neetu Singh and **S.S. Yadav\*** (2022) Ethnomedicinal uses of Indian spices used for cancer treatment: a treatise on structure activity relationship and signalling pathways. *Current Research in Food Science*. Vol. 5: 1845-1872 [doi.org/10.1016/j.crfs.2022.10.005](https://doi.org/10.1016/j.crfs.2022.10.005) (Impact Factor 6.269)
- 68) P. Bansal, A.S. Rao, **S.S. Yadav\***, M.S. Bhandoria and S.S. Dash (2022) Ethnomedicinal Exploration of Ornamental Flora of Aravalli Hill Ranges of Rewari District of Haryana, India. *International Journal of Pharmaceutical Sciences and Research*, Vol. 13 (7): 2951-2976 (Scopus indexed)
- 67) A. Nandal, **S. S. Yadav\***, A.A. Khuroo, A.S. Rao, N. Singh and A. Chhikara (2022) Assessing diversity and ecosystem services of trees in educational institutions: A case study of a university campus from the Global South. *Arboricultural Journal*, DOI: [10.1080/03071375.2022.2092349](https://doi.org/10.1080/03071375.2022.2092349) (Scopus indexed)
- 66) Bansal, P., AS Rao, **S.S. Yadav\*** and M.S. Bhandoria (2022) Floristic diversity of Wild Exotic Ornamental Species from Aravalli hill ranges of Rewari District of Haryana, India. *Nelumbo*, Vol. 64 (1): (77-93) 2022, DOI: [10.20324/nelumbo/v64/2022/170744](https://doi.org/10.20324/nelumbo/v64/2022/170744) (ISSN (Print): 0976-506; ISSN (Online): 2455-376X)
- 65) N. Singh, **S.S. Yadav**, S. Kumar and B. Narashiman (2022) Ethnopharmacological, phytochemical and clinical studies on Fenugreek (*Trigonella foenum-graecum* L.). *Food Bioscience*, Vol. 46:101546 (ISSN No. 2212-4292) (Impact Factor 5.318) <https://doi.org/10.1016/j.fbio.2022.101546>
- 64) A. Yadav, **S. S. Yadav**, S. Singh and R. Dabur (2022) Natural products: Potential therapeutic agents to prevent skeletal muscle atrophy. *European Journal of Pharmacology*. Vol No. 925:174995 (ISSN No. 0014-2999) (Impact Factor: 5.125) <https://doi.org/10.1016/j.ejphar.2022.174995>
- 63) A. Yadav, **Surender Yadav** and Rajesh Dabur (2022) Higher plants exert interspecific effects on the phytoecdysteroids contents in *Tinospora cordifolia*. *Chemical Biology Letters*. Vol. 9(1), 0312 (ISSN No. 2347-9825) (Scopus indexed)
- 62) V.S. Yadav, S.R. Gupta, **S.S. Yadav\***, R.S. Meena, R. Lal, N.S. Sheoran and M.K. Jhariya (2022) Carbon Sequestration Potential and CO<sub>2</sub> Fluxes in a Tropical Forest Ecosystem of Haryana, India. *Ecological Engineering* Vol. 176: 106541 (Impact Factor 4.379) (ISSN No. 0925-8574 <https://doi.org/10.1016/j.ecoleng.2022.106541>)

- 61) N. Yadav, **S.S. Yadav**, A.K. Chhillar, J.S. Rana (2021) An overview of nanomaterial based biosensors for detection of Aflatoxin B1 toxicity in foods. *Food and Chemical Toxicology*, Vol. 152:112201 (**Impact Factor 6.023**)
- 60) N. Singh, **S.S. Yadav**, Sanjiv Kumar and B. Narasihman (2021) A review on traditional uses, phytochemistry and pharmacological activities of dietary spice *Cuminum cyminum* L. *Phytotherapy Research*, Vol. 138:127773 (**Impact Factor 5.878**)
- 59) Rao, A.S., Anita Sheoran, S.A. Ganaie, **S.S. Yadav**, Neetu Singh, A. Nandal, M.S. Bhandoria & P. Bansal (2021) An ethnomedicinal survey of traditionally used medicinal plants from Charkhi Dadri district, Haryana: an attempt towards documentation and preservation of ethnic knowledge. *Indian Journal of Traditional Knowledge*, Vol. 20(2): 436-450 (**Impact factor: 1.091**)
- 58) Rathee, S., Ahmad, M., Sharma, P., Singh, H. P., Batish, D. R., Kaur, S., Kaur, A., **Yadav, S.S.** and Kohli, R. K. (2021) Biomass allocation and phenotypic plasticity are key elements of successful invasion of *Parthenium hysterophorus* at high elevation. *Environmental and Experimental Botany*, Vol. 184:104392. (**Impact factor: 5.545**)
- 57) Singh, N., Rao, A. S., Nandal, A., Kumar, S., **Yadav, S. S.**, Ganaie, S. A., & Narasimhan, B. (2021). Phytochemical and pharmacological review of *Cinnamomum verum* J. Presl-a versatile spice used in food and nutrition. *Food Chemistry*. Vol. 338, 127773. (**Impact Factor: 7.514**)
- 56) Singh, N., **Yadav, S. S.**, Rao, A. S., Nandal, A., Kumar, S., Ganaie, S. A., & Narasihman, B. (2021). Review on Anticancerous Therapeutic Potential of *Withania somnifera* (L.) Dunal. *Journal of Ethnopharmacology*. Vol. 270:113704. (**Impact Factor: 5.195**)
- 55) **Yadav, S.S. (2020)**. Herbarium: Historical account, significance, preparation techniques and management issues. *Plant Archives* Vol. 20(1):2915-2926 (ISSN: 0972-5210) (**Scopus Indexed, UGC No. 30969**)
- 54) N. Singh, H. P. Singh, D. R. Batish, R.K. Kohli and **S.S. Yadav** (2020) Chemical characterization, phytotoxic, and cytotoxic activities of essential oil of *Mentha longifolia*. *Environmental Science and Pollution Research* 10.1007/s11356-020-07823-3 (**Impact Factor 2.914**)
- 53) A.S. Rao, **S.S. Yadav**, Priya, Abhishek Nandal, Neetu Singh, Neelam Yadav, S.A. Ganie, Rajesh Kumar, M.S. Bhandoria and Pradeep Bansal (2020) Review on ethnomedicinal uses, phytochemical constituents and pharmacological activities of *Tephrosia purpurea* (L.) Pers. *Phytotherapy Research* DOI:10.1002/ptr.6657 (ISSN No. 1099-1573; **Impact Factor 3.766**)
- 52) M. Issa, S. Chandel, H.P. Singh, D.R. Batish, R.K. Kohli, **S.S. Yadav**, A. Kuamari (2020) Appraisal of phytotoxic, cytotoxic and genotoxic potential of essential oil of a medicinal plant *Vitex negundo*. *Industrial Crops & Products* Vol. 145:102083, <https://doi.org/10.1016/j.indcrop.2019.112083> (**Impact Factor 4.191**)
- 51) **S.S. Yadav**, Parul Sangwan, S. A. Ganie and S. S. Gulia (2020) Studies on free radical scavenging activity and total phenolic content of *Foeniculum vulgare* Mill. *Research Journal of Pharmacy and Technology* Vol. 13(7):3394-3398 (**Scopus indexed** and UGC List No. 20760)

- 50) Abhishek Nandal, Naveen Kaushik, **S.S. Yadav**, A.S. Rao, Neetu Singh and S.S. Gulia (2020). Water Quality Assessment of Pond Water of Kalanaur Block, Rohtak (Haryana) India. *Indian Journal of Ecology* Vol. 47(1): 1-6 (ISSN No. 0304-5250) (**Scopus indexed** and UGC List No. 20760)
- 49) **S. S. Yadav**, Jose G. Guzman, R.S. Meena and Rattan Lal (2020) Long term crop management effects on soil organic carbon, structure and water retention in a cropland soil in central Ohio, USA. [\*Journal of Plant Nutrition and Soil Science\*](#) DOI:10.1002/jpln.201900430 (**Impact Factor 2.057**)
- 48) Neelam, A K Chhillar, N. Phogat, S.A. Ganie and **S.S. Yadav\*** (2019) Phytochemistry and Pharmacology of *Ageratum conyzoides*: An overview. *Phytotherapy Research* DOI: 10.1002/ptr.6405 Online ISSN: 1099-1573 (**Impact Factor 4.087**)
- 47) Abhishek Nandal, Neetu Singh, **S.S. Yadav**, A.S. Rao and V.S. Yadav (2019) Carbon Stock Assessment of Selected Tree Species in Maharshi Dayanand University Campus, Rohtak (Haryana) India. *Indian Journal of Ecology* (2019) 46(2): 330-334 ISSN No. 03045250 (**Scopus indexed** and UGC List No. 20760)
- 46). Neelam Yadav, Anil Kumar Chhillar and **S.S. Yadav\*** (2019) Relevance of nanomaterials-based biosensors for detection of pathogens in foods. *Biochemical and Cellular Archives*, Vol. 19 (1): 7-12 (ISSN 0972-5075) **Scopus indexing**
- 45) Neelam Yadav, A.K. Chhillar, **S.S. Yadav\*** and Pradeep Bansal (2018) Role of Aromatherapy as Alternative Health Practices. *International Journal on Biological Sciences* 9 (1): 28-35 (ISSN No.: 0976-4518; **NAAS Rating 3.14**; UGC List of Journal No. 7775)
- 44) Neelam Yadav, A. K. Chhillar and Rajesh Kumar and **S.S. Yadav\*** (2018) Applications of edible vaccines in healthcare. *International Journal for Life Sciences and Educational Research* Vol. 6(1), pp. 01 - 07 (Print 2321-1180; eISSN-2321-1229; UGC Approved Journal No. 45464)
- 43) Neelam Yadav, A.K. Chhillar, **S.S. Yadav\*** Rajesh Kumar, V.S. Yadav and M.S. Bhandoria (2018) Evaluation of Antibacterial and Antifungal Activity of *Abutilon indicum* (L.) Sweet. *International Journal on Environmental Sciences* 9 (1): 36-43 (ISSN No.: 0976-4534; **NAAS Rating 3.06**; UGC Approved Journal No. 7783)
- 42) Neelam Yadav, A. K. Chhillar, C.S. Pundir and **S.S. Yadav\*** (2018) Various methods for detecting acrylamide in processed foods with reference to biosensors. *International Journal on Agricultural Sciences* 9 (1): 35-40 (ISSN No.: 0974-6065; **NAAS Rating 2.60**; UGC Approved Journal No. 62958)
- 41) Neelam Yadav, A. K. Chhillar and **S.S. Yadav\*** (2018) Properties and Applications of Carbon Nanotubes. *Journal of Biological Engineering Research & Review* Vol. 5(1): 41-48 (e-ISSN: 2349-3232) (UGC No. 45196)
- 40) S. Pathak, P. Bansal and **S.S. Yadav** (2018). Bioremediation of copper contaminated water using Duckweed (*Lemna minor* L.). *Pollution Research* Vol. 37 (3): 694-698 (ISSN No. 0257–8050; **UGC Approved Journal No. 38090; Scopus Indexing**)

- 39) Teeli, R.A., Ganie, S.A., Dar, M.S. Raja, W. and **S. S. Yadav** (2018). Antioxidant activity of *Euphorbia hirta* L. leaf extracts. *Research Journal of Pharmacy and Technology* 11(1): 199-202 (ISSN No. 0974-3618; EISSN No. 0974-360X; **Scopus indexed**, UGC No. 10467)
- 38) **Yadav, S.S.** and Lal, R. (2018) Vulnerability of women to climate change in arid and semi-arid regions. *Journal of Arid Environment* Vol. 149: 4-17 (ISSN 0140-1963) (**Impact Factor: 1.835**)
- 37) S.S. Gulia, S.A. Ganie, M.S. Bhandoria and **S. S. Yadav** (2017). Floristic Inventory of Village Ponds of Southern Haryana. *Plant Archives* Vol. 17(1): 681-690 (ISSN: 0972-5210) (UGC No. 30969)
- 36) Gulia, S.K., Ganie, S.A. and **Yadav, S.S.** (2017). Studies on Seasonal Variations in Some Physiochemical Parameters of the Village Ponds of Jhajjar District (Haryana), India. *Plant Archives* Vol. 17(1): 271-281 (ISSN: 0972-5210) (UGC No. 30969)
- 35) R.S. Meena, P.D. Meena, G.S. Yadav and **S.S. Yadav** (2017). Phosphate Solubilising Microorganisms, Principles and Application of Microphos Technology. *Journal of Cleaner Production* 145 (1): 157-158 (**Impact Factor: 5.315**) (ISSN No: 0959-6526) (UGC No. 21920)
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- 22) **S S Yadav**, S S Gulia, S A Ganie, TBS Raghav, MS Bhandoria, Neelam and R Kumar (2014). *Boerhavia diffusa*: An Ethnobotanical and Phytochemical Review. In the Proceedings of National Seminar “Next Generation Sciences: Vision 2020 & Beyond” organised by Department of Zoology, Maharshi Dayanand University, Rohtak (Haryana) India, pp 437-445.
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- 14) **Yadav, S.S.** (2010) Haryana ki Vanspati: Mahatva, Viluptikaran aur Sanrakshan. Haryana Encyclopedia-2, Bhoogol Khand Part-2, *Vani Prakashan*, New Delhi pp 284-291 (ISBN No: 978-81-8143-948-2).
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- 2) **Yadav, S.S.**, Kohli, R.K. and Batish, D.R. (2004). Ecological Status of medicinal plants in Rewari district, Haryana. *Bulletin of Environmental Sciences*, Vol. XXII pp. 1000-1005.
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### **Book Published (01)**

- 1 S.A. Ganaie, **S.S. Yadav**, R. Jan, W. Raja and M.S. Dar (2022). An introduction to Medicinal Botany. Astral International Pvt. Ltd. New Delhi pp 1-109 (ISBN No. 978-93-5461-191-9)

### **Book Chapters (11)**

11. Rao, A.S., Chhawri, R., Chauhan, A., **Yadav, S.S.**, Meena, K.C. and Bansal, P. (2024). Plant Functional Traits: A Key Framework for Understanding and Managing Ecosystem Responses to Global Environmental Challenges. In: Kumar, N., Singh, H. (eds) *Plant Functional Traits for Improving Productivity*. Springer, Singapore. [https://doi.org/10.1007/978-981-97-1510-7\\_15](https://doi.org/10.1007/978-981-97-1510-7_15)
10. Singh, N. and **S.S. Yadav\*** (2023) Accumulation, Uptake Pathways, and Toxicity of Pharmaceuticals into Plants and Soil. In Navish Kumar and VK Garg edited book entitled '*Pharmaceuticals in Aquatic Environment*' pp 161-173 CRC Press. DOI: 10.1201/9781003361091-10 (ISBN 9781003361091)
9. Rao, A.S. and **S.S. Yadav\*** (2021) Role of prebiotic, probiotic and synbiotic foods in boosting immunity and ameliorating wide range of diseases. In Raj Pal Singh, Kuldeep Yadav, Meenu Rathi and Shikha Jaggi edited book entitled '*Challenges to Biodiversity Conservation and Sustainable Development*'. Astral International Pvt. Ltd. New Delhi (ISBN No. 9789390435937)
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6. Angel, A., Angel, B., Yadav, N., Narang, J., **S.S. Yadav**, and V. Joshi (2020) *Aedes* Mosquitoes: The Universal Vector. In Small Bite, Big Threat: Deadly Infections Transmitted by *Aedes* Mosquitoes (Ed) Jagriti Narang and Manika Khanuja. Jenny

Stanford Publishing Pte. Ltd. Level 34, Centennial Tower, 3 Temasek Avenue, **Singapore**  
ISBN 978-981-4800-86-0 (Hardcover) ISBN 978-1-003-00329-8 (eBook).

5. Angel, A., Angel, B., Yadav, N., Narang, J., **S.S. Yadav**, and V. Joshi (2020) The *Aedes* Fauna: Different *Aedes* Species Inhabiting the Earth. In Small Bite, Big Threat: Deadly Infections Transmitted by *Aedes* Mosquitoes (Ed) Jagriti Narang and Manika Khanuja. Jenny Stanford Publishing Pte. Ltd. Level 34, Centennial Tower, 3 Temasek Avenue, **Singapore** ISBN 978-981-4800-86-0 (Hardcover) ISBN 978-1-003-00329-8 (eBook).
4. Yadav, N., B. Angel, J. Narang, S.S. Yadav and V. Joshi (2020). Chikungunya Fever: Emergence and Reality. In Small Bite, Big Threat: Deadly Infections Transmitted by *Aedes* Mosquitoes (Ed) Jagriti Narang and Manika Khanuja. Jenny Stanford Publishing Pte. Ltd. Level 34, Centennial Tower, 3 Temasek Avenue, **Singapore** ISBN 978-981-4800-86-0 (Hardcover) ISBN 978-1-003-00329-8 (eBook).
3. Angel, B., N. Yadav, J. Narang, S.S. Yadav, A. Angel and V. Joshi (2020). Zika: An Ancient Virus Incipient into New Spaces. In Small Bite, Big Threat: Deadly Infections Transmitted by *Aedes* Mosquitoes (Ed) Jagriti Narang and Manika Khanuja. Jenny Stanford Publishing Pte. Ltd. Level 34, Centennial Tower, 3 Temasek Avenue, **Singapore** ISBN 978-981-4800-86-0 (Hardcover) ISBN 978-1-003-00329-8 (eBook).
2. Joshi, V., A. Angel, B. Angel, N. Yadav, J. Narang and S.S. Yadav (2020). West Nile Virus: The Silent Neuro-Invasive Terror. In Small Bite, Big Threat: Deadly Infections Transmitted by *Aedes* Mosquitoes (Ed) Jagriti Narang and Manika Khanuja. Jenny Stanford Publishing Pte. Ltd. Level 34, Centennial Tower, 3 Temasek Avenue, **Singapore** ISBN 978-981-4800-86-0 (Hardcover) ISBN 978-1-003-00329-8 (eBook)
1. Yadav, N., B. Angel, J. Narang, S.S. Yadav, V. Joshi and A. Angel (2020). Yellow Fever: Emergence and Reality. In Small Bite, Big Threat: Deadly Infections Transmitted by *Aedes* Mosquitoes (Ed) Jagriti Narang and Manika Khanuja. Jenny Stanford Publishing Pte. Ltd. Level 34, Centennial Tower, 3 Temasek Avenue, **Singapore** ISBN 978-981-4800-86-0 (Hardcover) ISBN 978-1-003-00329-8 (eBook).

### **Book Publication: Assisted in following publications (02)**

- **Herbal Wealth of North East India- A Herbaria and Pictorial Guide** (Compiled and edited by K.K. Bhutani, 2008) published by National Institute of Pharmaceutical Education & Research (NIPER), S.A.S Nagar, Mohali (Punjab).
- **Herbal Wealth of North East India-Database and Appraisal** (Compiled and edited by K.K. Bhutani, 2008) published by National Institute of Pharmaceutical Education & Research (NIPER), S.A.S Nagar, Mohali (Punjab).

### **Editorship (02)**

- Deputy Editor of famous environment magazine ‘**Prayavaran Sanjeevni**’ published by an Environmental NGO of Haryana State.
- Student Editor of Science Section of ‘**Campus Reporter**’ magazine of Panjab University, Chandigarh during session 2003-2004.

**Paper presentation/ talks delivered in Conferences/Seminars/Workshop/Symposia etc. (55)**

| S.N. | Title of the Paper presented                                                                 | Title of the Conference / Seminar etc and organiser                                                                                                                                                                         | Dates of the event   | Level                |
|------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|
| 55   | <b>Floristic Diversity and Uses of Wild Edible Plants of Aravalli Hill Ranges of Haryana</b> | <b>3rd International Symposium on Plant Taxonomy, Ethnobotany, Botanic Gardens and Biodiversity Conservation</b> organised by Botanical Survey of India, Kolkata                                                            | February 13-15, 2025 | <b>International</b> |
| 54   | <b>Medicinal plants used in Ethnoveterinary Medicines in Southern Haryana, India</b>         | <b>International Conference on Communication and Dissemination of Traditional Knowledge</b> organised by CSIR-National Institute of Science Communication & Policy Research (CSIR-NIScPR), New Delhi & Gurugram University, | Nov. 13-14, 2024     | <b>International</b> |
| 53   | <b>Diversity and uses of wild edible plants in District Mahendergarh</b>                     | <b>International Seminar organized by UIET, MDU Rohtak</b>                                                                                                                                                                  | May 4-5, 2024        | <b>International</b> |
| 52   | <b>Floristic Diversity of Ramayana</b>                                                       | <b>International Seminar organized by Department of Sanskrit, M.D. University, Rohtak</b>                                                                                                                                   | June 22-23, 2023     | <b>International</b> |
| 51   | <b>Utilization of ethnoveterinary medicine in southern Haryana</b>                           | <b>International Seminar organized by Dept. of Pharmaceutical Sciences, MDU Rohtak</b>                                                                                                                                      | April, 25-26, 2023   | <b>International</b> |
| 50   | <b>Role of home garden ecosystems in meeting food security and mitigating climate change</b> | <b>International Symposium organized by Botanical Survey of India, Kolkata, West Bengal</b>                                                                                                                                 | February 13-14, 2023 | <b>International</b> |
| 49   | <b>Carbon stock and oxygen generation potential of some selected fruit tree</b>              | <b>University Institute of Engineering and Technology, M.D. University, Rohtak</b>                                                                                                                                          | November 26-27, 2022 | <b>National</b>      |
| 48   | <b>Biodiversity Conservation Strategies</b>                                                  | <b>Department of Botany, Punjab Agriculture University, Ludhiana</b>                                                                                                                                                        | February 18, 2022    | <b>University</b>    |
| 47   | <b>Invasive species</b>                                                                      | <b>Department of Botany, Punjab Agriculture University, Ludhiana</b>                                                                                                                                                        | February 18, 2022    | <b>University</b>    |
| 46   | <b>Flora of saline and sodic soils and their specific habitat needs</b>                      | <b>Department of Forests, Govt. of Haryana, Panchkula</b>                                                                                                                                                                   | December 13, 2021    | <b>State</b>         |
| 45   | <b>Wild Flora of Haryana</b>                                                                 | <b>Haryana State Biodiversity Board, Panchkula</b>                                                                                                                                                                          | Oct.21-22, 2021      | <b>State</b>         |

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| 44 | <b>Emerging problem of invasive plants in Aravalli Hill Ranges of Haryana state</b>                            | <b>Center for Advanced Studies in Botany, Institute of Science, BHU Varanasi</b>                                                  | February 23-25, 2022 | <b>International</b> |
| 43 | <b>Biodiversity: Challenges and Opportunities</b>                                                              | <b>Eco-awareness program organized by ICAR-Directorate of Rapeseed-Mustard Research, Bharatpur</b>                                | July 9, 2021         | <b>National</b>      |
| 42 | <b>Environmental Problems of South Haryana</b>                                                                 | <b>Celebration of World Environment Day, organized by Govt. College for Women, Ateli Dist. Mahendergarh</b>                       | June 5, 2021         | <b>National</b>      |
| 41 | <b>Biodiversity: Challenges and Opportunities with special reference to North East India (Keynote Speaker)</b> | Online National Conference on 'Biological Resources and Human Welfare' organised by DR College, Golaghat (Assam)                  | July 12, 2020        | <b>National</b>      |
| 40 | <b>Biodiversity: Challenges and Opportunities (Valedictory Speaker)</b>                                        | Online National Conference on 'Environment: An Intelligent Recycling System' organised by Govt. College for Girls, Gurugram       | June 5-6, 2020       | <b>National</b>      |
| 39 | <b>Role of Wild Plants for Health and Vitality</b>                                                             | National Seminar on Recent Advances in Life Sciences' organised by DPG Degree College, Gurugram                                   | Feb. 22, 2020        | <b>National</b>      |
| 38 | <b>Ethnomedicinal Plants of Aravalli Hill Ranges of Haryana State</b>                                          | 'International Symposium on Plant Taxonomy and Ethnobotany' organised by Botanical Survey of India, Kolkata                       | Feb. 13-14, 2020     | <b>International</b> |
| 37 | <b>Climate Change and Vulnerability of Rural Women</b>                                                         | 107th Indian Science Congress organised by Indian Science Congress Association and University of Agricultural Sciences, Bangalore | January 03-07, 2020  | <b>National</b>      |
| 36 | <b>Biodiversity Conservation (Key Note Speaker)</b>                                                            | National Seminar on 'Challenges to Biodiversity Conservation and Sustainable Development' organised by GMN College, Ambala Cantt. | Dec. 13, 2019        | <b>National</b>      |
| 35 | <b>Achieving Food Security with Climate Smart Agriculture</b>                                                  | National Conference on 'Science and Technology for Rural Development' organised by Dept of Chemistry, MDU Rohtak                  | October 14-15, 2019  | <b>National</b>      |

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|----|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------|
| 34 | <b>Bioprospection of ethnomedicinal plants and IPR issues</b>                | International Conference on 'Prospects in Innovative Practices' organised by IPR Cell and Dept. of Pharmaceutical Sciences, MDU Rohtak                       | August 29, 2019    | <b>International</b> |
| 33 | <b>Significance of vegetation in Valmiki's Ramayana</b>                      | Maharshi Valmiki Chair, MDU Rohtak                                                                                                                           | March 30, 2019     | <b>International</b> |
| 32 | <b>Climate change and its impact on Biodiversity</b>                         | National Conference on 'Global Climate Change: Concerns and Solutions' organised by ESM Cell, MDU Rohtak                                                     | Feb. 15-16, 2019   | <b>National</b>      |
| 31 | <b>Ecological Foot Print ..... Environmental Sustainability</b>              | National Conference on 'Science and Technology for Sustainable Development' organised by Dept of Chemistry, MDU Rohtak                                       | Feb.12-13, 2019    | <b>National</b>      |
| 30 | <b>Role of Homestead Farming in Sustainable Development</b>                  | National Seminar on 'Frontiers in Life Sciences-An Interdisciplinary perspective' Dept. of Zoology, MDU, Rohtak                                              | March 15, 2019     | <b>National</b>      |
| 29 | <b>Stubble Burning: Reasons and Remedies</b>                                 | International Development Centre Foundation, Delhi                                                                                                           | Sept. 7-8, 2018    | <b>International</b> |
| 28 | <b>Ethnoveterinary Medicinal Potential of South Haryana</b>                  | International Conference on 'Phytomedicine' Org. by Dept. of Botany, Bharathiar University, Coimbatore                                                       | August 29-31, 2018 | <b>International</b> |
| 27 | <b>Traditional Knowledge and Benefit Sharing</b>                             | One Day National Seminar on 'Implication and Implementation of Intellectual Property Rights in India' organised by Dept. of Education & IPR Cell, MDU Rohtak | June 24, 2018      | <b>National</b>      |
| 26 | <b>Issues and Challenges in Biodiversity Conservation</b>                    | National Seminar on 'Emerging Trends & Challenges in Biosciences' organised by GMN College, Ambala Cantt                                                     | March 10, 2018     | <b>National</b>      |
| 25 | <b>Home Gardening: A Panacea for Global Food Security and Climate Change</b> | International Conference on 'Sustainable Agriculture, Energy, Environment and Technology' organised by ESM Cell, MDU Rohtak                                  | Feb. 24-25, 2018   | <b>International</b> |
| 24 | <b>Climate Change- Threat to quality and quantity of food varieties</b>      | National Seminar on 'Climate Change and Food Security' organised by Center for Biotechnology, MDU Rohtak                                                     | January 25, 2018   | <b>National</b>      |
| 23 | <b>Role of Biodiversity in achieving food security</b>                       | National Conference on 'Food Processing for Value Addition:                                                                                                  | Nov. 27, 2017      | <b>National</b>      |

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|----|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|
|    | <b>and Sustainable Development Goals</b>                                           | Trends and Innovation' organised by Dept. of Food Technology, MDU Rohtak                                                                                                     |                      |                      |
| 22 | <b>Issues and Challenges in using medicinal plants as antimicrobial agents</b>     | International Conference on 'Microbes for Health and Wealth' organised by Dept. of Microbiology, MDU Rohtak                                                                  | Nov. 14, 2017        | <b>International</b> |
| 21 | <b>Role of Youth in Achieving Sustainable Development Goals</b>                    | Two days Interdisciplinary International Conference on 'Role of Digitalization in Sustainable Development: A Global Perspective' organised by Dept. of Education, MDU Rohtak | Sept. 16-17, 2017    | <b>International</b> |
| 20 | <b>Significance of botanical evidences in crime investigation</b>                  | One Day National Seminar on 'Current Scenario in Forensic Investigative Techniques, Dept. of Genetics, MDU Rohtak                                                            | Sept. 7 2017         | <b>National</b>      |
| 19 | <b>Homegardens: A Sustainable Agroforestry Ecosystem</b>                           | 'Agro-forestry – Present Status, Opportunity and Challenges' Forest Dept., Govt of Haryana                                                                                   | Feb. 15-16, 2017     | <b>National</b>      |
| 18 | <b>Bioprospecting and Benefit Sharing Issues</b>                                   | 'Biodiversity and Sustainable Utilization of Plant Resources' Deptt. of Botany, KU Kurukshetra                                                                               | Feb. 17-18, 2017     | <b>National</b>      |
| 17 | <b>Medicinal &amp; Nutritional uses of <i>Moringa oleifera</i> Lam.</b>            | Biodiversity: Status and Significance Organized by Deptt. of Botany, MDU, Rohtak                                                                                             | March 21, 2017       | <b>National</b>      |
| 16 | <b>Floristic Diversity in Valmiki's Ramayana</b>                                   | 'History & Geography as Narrated in Valmiki Ramayana' Org. by Deptt of Sanskrit, Pali and Prakarat, MDU Rohtak                                                               | March 27, 2017       | <b>National</b>      |
| 15 | Ecological Consequences of Ozone Depletion                                         | <b>'Today's Vision: Save Ozone, Save Earth' Org. by Env. Sc., MDU Rohtak</b>                                                                                                 | Sept. 16, 2015       | <b>National</b>      |
| 14 | Wild Edible Plants of Bhiwani District                                             | <b>Climate Change and Food Security" Org. by Ch. Bansi Lal University, Bhiwani</b>                                                                                           | January 16, 2016     | <b>National</b>      |
| 13 | Climate Change and Women Vulnerability                                             | <b>'Education, Media, Society &amp; Women Empowerment' Org. by Shree Ram Mulkh College of Education, Ferozepur Dandrawal, Panchkula</b>                                      | February 09-10, 2013 | <b>National</b>      |
| 12 | Emerging Significance of Chemotaxonomy in Plant Taxonomic and Phylogenetic Studies | <b>Conference on Advances in Chemical Sciences Org. by Deptt. of Chemistry, MDU Rohtak</b>                                                                                   | March 02, 2013       | <b>National</b>      |

|    |                                                                                        |                                                                                                                                                               |                       |                                 |
|----|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------|
| 11 | Impact of Invasive Alien Plants on Biodiversity                                        | <b>Geoinformatics for biodiversity and Climate Change'</b> Org. by Deptt. of Geography, MDU, Rohtak                                                           | March 14-16, 2013     | <b>International</b>            |
| 10 | Recent Issues in Herbarium Technology                                                  | <b>Promising Trends in Science Galaxy (PTSG-2013)'</b> Org. by Deptt. of Zoology, MDU, Rohtak                                                                 | March 20, 2013        | <b>National</b>                 |
| 9  | Invasive Alien Species                                                                 | <b>"Biodiversity: Issues &amp; Challenges"</b> organized by Government College, Gurgaon                                                                       | March 15-16, 2012     | <b>National Seminar</b>         |
| 8  | Impact of Human Activities on Environment                                              | <b>"Environmental Degradation: Issues and Remedies"</b> organized by D.N. College, Hisar                                                                      | February 28, 2012     | <b>National Seminar</b>         |
| 7  | Medicinal Plants used for controlling parasitic infections in animals                  | <b>"Traditional Medicines and Globalization: The Future of Ancient Systems of Medicine"</b> organized by Jadavpur University, Jadavpur, Kolkata (West Bengal) | February 17-19, 2012  | <b>International Conference</b> |
| 6  | Biodiversity and Benefit Sharing in the era of Intellectual Property Rights            | <b>"Biodiversity: Changing Pattern &amp; Conservation Strategies"</b> organized by Department of Botany, DDU Gorakhpur University, Gorakhpur                  | Nov. 26-28, 2011      | <b>National Conference</b>      |
| 5  | Traditional uses of plants by tribal population of District Alirajpur (MP)             | <b>Biodiversity: Challenges and Opportunities</b> organized by Dept. of Botany, MDU, Rohtak                                                                   | February 18-19, 2011  | <b>National</b>                 |
| 4  | The relationship between woman rights and biodiversity conservation                    | <b>"Human Rights Education"</b> organized by Dayanand College, Hisar                                                                                          | February 12, 2011     | <b>National</b>                 |
| 3  | A Comparative Study of Seasonal Variation in Ghaggar River Water in Haryana and Punjab | <b>"Environmental Degradation: Issues and Remedies"</b><br>Dayanand Post Graduate College, Hisar (Haryana)                                                    | February 11, 2011     | <b>National</b>                 |
| 2  | Ethnomedicinal Potential of South Haryana                                              | <b>"Biodiversity-Impact of Global Change"</b> D.A.V. College (Lahore) Ambala City,                                                                            | January 22, 2011      | <b>National</b>                 |
| 1  | Role of <i>Salvadora persica</i> L. (Toothbrush tree) in oral Healthcare               | <b>"Folk &amp; Herbal Medicine"</b><br>Department of Botany, Mohanlal Sukhadia University, Udaipur, Rajasthan                                                 | November 25-27, 2010. | <b>International</b>            |

**List of refresher/orientation course, workshops, faculty development programmes attended**

| <b>S.No.</b> | <b>Programme</b>                                                                                                                               | <b>Duration</b>         | <b>Organized by</b>                                                                                                                    |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 29           | One Day Workshop on Curriculum and Credit Framework for Undergraduate Programmes                                                               | April 08, 2023          | Faculty Development Center and Internal Quality Assurance Cell, M.D. University, Rohtak                                                |
| 28           | One Week National Workshop on Bioprospecting Natural Products for Human Health and Socio-Economic Developments                                 | January 9-14, 2023      | STRIDE-UGC, Maharshi Dayanand University, Rohtak                                                                                       |
| 27           | National Workshop on Extramural Research Funding: Opportunities & Challenges                                                                   | October 14-15, 2022     | STRIDE-UGC, Maharshi Dayanand University, Rohtak                                                                                       |
| 26           | National Workshop on Novel strategies in genome-based therapeutics                                                                             | October 11, 2022        | Department of Genetics, Maharshi Dayanand University, Rohtak                                                                           |
| 25           | Workshop on Annual Quality Assurance Report Framework                                                                                          | November 18, 2021       | Internal Quality Assurance Cell, M.D. University, Rohtak (Haryana)                                                                     |
| 24           | Week Workshop on E-Resource Optimization in Research Productivity                                                                              | August 23-27, 2021      | Vivekananda Library, Maharshi Dayanand University, Rohtak                                                                              |
| 23           | Online National Workshop on Writing Research Proposal'                                                                                         | April 30, 2021          | IMSAR and Chaudhary Ranbir Singh Institute of Social and Economic Change, MDU, Rohtak                                                  |
| 22           | Science Academies' Virtual Refresher Course Taxonomy of Cryptogams, their Sustainable Utilization and Conservation in Climate Change Scenario" | March 4 to 17, 2021     | Dept. of Botany, Vivekanandha College of Arts and Sciences for Women (Autonomous), Tiruchengode, District Namakkal (Tamil Nadu), India |
| 21           | Short Term Course on Plagiarism and Ethical Issues in Research Work                                                                            | 7 Days                  | UGC-HRDC, GNDU Amritsar (March 2020)                                                                                                   |
| 20           | UGC-sponsored Short Term Course/Faculty Development Programme on 'Environmental Awareness'                                                     | 07 Days                 | Human Resource Development Center, Panjab University, Chandigarh from 18-01-2019 to 24-01-2019                                         |
| 19           | Science Academies' Refresher Course on 'Plant Taxonomy and Ethnobotany                                                                         | 14 Days                 | Department of Botany, Maharshi Dayanand University, Rohtak (Haryana) from October 8-21, 2018                                           |
| 18           | DBT-Short Term Training Course on Analytical Techniques in Bioprospecting of Medicinal Plants                                                  | 17 days                 | Department of Botany, Bharathiyar University, Coimbatore (Tamil Nadu) from 23-10-2017 to 8-11-2017                                     |
| 17           | Summer Research Fellowship                                                                                                                     | 24-6-2016 to 22-08-2016 | Botanical Survey of India (Western Circle), Pune                                                                                       |

|    |                                                                                                      |                                |                                                                                                               |
|----|------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------|
| 16 | <b>Refresher Course in Botany</b>                                                                    | 27-5-16 to 16-6-2016 (21 days) | UGC-HRDC Guru Ghasi Das University, Bilaspur (Chhattisgarh)                                                   |
| 15 | <b>Short Term Training Programmes on Environmental Studies</b>                                       | 02-06-15 to 12-6-15 (11 Days)  | Indian Institute of Technology, Bombay                                                                        |
| 14 | <b>Workshop on ‘Techniques in Monitoring Environmental Pollution’</b>                                | October 25-26, 2013            | Department of Environmental Sciences, Maharshi Dayanand University, Rohtak (Haryana)                          |
| 13 | <b>Health Awareness and Training Camp at Udaipur</b>                                                 | 27-01-2014 to 02-02-2014       | Youth Red Cross, MDU Rohtak                                                                                   |
| 12 | <b>Personality Development and Communication Skills</b>                                              | 22-11-2013                     | Department of Botany, MD University, Rohtak                                                                   |
| 11 | <b>Modern Techniques in Ethnobotanical Research</b>                                                  | March 13-15, 2014 (3 days)     | Institute of Ethnobiology & School of Studies in Botany, Jiwaji University, Gwalior                           |
| 10 | <b>University Level workshop on “Self Defense and Rescue Operations”</b>                             | February 20, 2014              | Youth Red Cross, Maharshi Dayanand University, Rohtak (Haryana)                                               |
| 9  | <b>Workshop on “Workplace Sexual Harassment of Women”</b>                                            | January 24, 2014               | Women’s Studies Centre, Maharshi Dayanand University, Rohtak                                                  |
| 8  | <b>Workshop on Biological Database and Sequence Analysis</b>                                         | 29-3-2013 (one day)            | Department of Botany, Maharshi Dayanand University, Rohtak                                                    |
| 7  | <b>7th Inter-State Training-cum-Study Camp for Youth Red Cross Volunteers and Programme Officers</b> | 11-10-12 to 15-10-12 (5 Days)  | Indian Red Cross Society, Tamil Nadu State Branch, and Youth Red Cross, Periyar University, Salem, Tamil Nadu |
| 6  | <b>Science Academies’ Refresher Course on Traditional &amp; Modern Approaches in Plant Taxonomy</b>  | Nov. 15-29, 2012 (15 days)     | University of Agricultural Sciences, GKV Campus, Bangalore                                                    |
| 5  | <b>NRDMS Summer Training Workshop on Geo Spatial Technology</b>                                      | 28.5.12 to 17.6.12 (21 days)   | Department of Geography, MDU Rohtak                                                                           |
| 4  | <b>Refresher Course in Botany</b>                                                                    | 19.12.11 to 07.01.12 (21 days) | Academic Staff College, University of Rajasthan, Jaipur                                                       |
| 3  | <b>Workshop on Methods and Approaches in Plant Systematics</b>                                       | Dec 5-14, 11 (10 days)         | National Botanical Research Institute, Lucknow (UP)                                                           |
| 2  | <b>Workshop on “Application of Remote Sensing, GIS and GPS in Natural Resource Management”</b>       | 10 days                        | Department of Geography, M.D. University, Rohtak from 16-05-2011 to 25-05-2011                                |
| 1  | <b>Orientation Course</b>                                                                            | 28 days                        | Academic Staff College, Panjab University, Chandigarh from 01-09-2010 to 28-09-2010                           |

### **Television and Radio Broadcast (Invited)**

- 9) All India Radio, Rohtak on 01-09-2015  
Topic: **Jaiv Sanchayan and Jaiv Sanvardhan**
- 8) All India Radio, Rohtak on 31-12-2013  
Topic: **Overwintering in Ornamental Plants**
- 7) All India Radio, Rohtak on 22-03-2012  
Topic: **Significance of Fungi**
- 6) All India Radio, Rohtak on 20-09-2011  
Topic: **Forest Degradation and Conservation**
- 5) All India Radio, Rohtak on 06-01-2011  
Topic: **Global Warming**
- 4) All India Radio, Rohtak on 04-03-2011  
Topic: **Significance of Forests**
- 3) All India Radio, Rohtak on 04-05-2010  
Topic: **Biodiversity Conservation.**
- 2) All India Radio, Rohtak on 12-02-2010  
Topic: **Scientific Achievements of 2009**
- 1) PTC News TV Channel on 05-01-2010  
Topic: **Environmental Issues of Haryana State**

### **Member of Professional Bodies / Academies**

- **Life Member, Indian Botanical Society**
- **Life Member, Association of Plant Taxonomists, Dehradun**
- **Life Member, National Environment Science Academy (NESA), New Delhi**
- **Life Member, Indian Association of Angiosperm Taxonomy**
- **Life Member, Society for Education and Environment Development (SEED), Haryana.**
- **Life Member, Indian Science Congress Association (ISCA), Kolkata (L36967)**

## **Organising Capabilities**

- Coordinator**, National Workshop for Teachers on “**Communication and Dissemination of Indian Traditional Knowledge**” organised by CSIR-NIScPR, INYAS and MDU at Faculty Development Center (FDC) on 16 October 2025
- Organizing Secretary**, National Workshop on ‘**Biological Invasion: Concerns and Solutions**’ organized by Dept. of Botany, MDU Rohtak during January 28-29, 2025
- Organising Secretary**, Training program on ‘**Environment Challenges & Solutions**’ organised by Environment Sustainability Management Cell, MDU Rohtak during 13-19 Sept 2023
- Organising Secretary**, **Environment Documentary Festival** to Sensitize Students about Environmental Issues’ organised by ESM Cell and Dept of Journalism and Mass Com, MDU Rohtak on May 09, 2023
- Organising Secretary**, **Environment Documentary Festival** to Sensitize Students about Environmental Issues’ organised by ESM Cell and Dept of Journalism and Mass Com, MDU Rohtak on May 09, 2023
- Coordinator**, **Vertical Gardening Workshop** organised by Maharshi Dayanand University, Rohtak on February 18, 2023
- Coordinator**, **Renumeration Committee of Rang Bahar Flower Festival**’ organised by Maharshi Dayanand University, Rohtak on March 31, 2021
- Organizing Secretary**, ‘**World Sustainable Energy Day Celebration**’ organised by Environment Sustainability Management Cell, MDU Rohtak on February 27, 2021
- Coordinator**, Science Academies’ sponsored Refresher Course on ‘**Ethnobotany and Plant Taxonomy**’ jointly organized by Department of Botany and Faculty Development Center, M. D. University, Rohtak on October 08-22, 2018.
- Organizing Secretary**, National Conference on “**Biodiversity: Status and Significance**” held at Department of Botany, M. D. University, Rohtak on March 21, 2017.
- Co-convenor**, **Competitive Events Committee, 21<sup>st</sup> National Youth Festival**, held at Rohtak, January 11-16, 2017.
- Quiz Master**, National Constitution Day on 26<sup>th</sup> November 2015 at MDU Rohtak
- Organizing Secretary**, ‘**Extra-curricular activity**’ organized by Dept. of Botany, MDU Rohtak on September 29, 2015.
- Convener**, World Biodiversity Day Celebrations organised by Rohtak on May 22, 2015
- Organizing Secretary**, National Conference on “**Biodiversity: Challenges and Opportunities**” held at Dept. of Botany, M. D. University, Rohtak on Feb. 18-19, 2011.
- Joint Organizing Secretary**, National Conference on “**Medical Biotechnology: Vision 2020**” held at Advanced Centre for Biotechnology, MDU, Rohtak on April 16-18, 2010.
- Organizing Secretary**, National Seminar on “**Biodiversity: Concerns and Solutions**” organised by Dept. of Botany, M.D. University, Rohtak on November 20, 2009.
- Convener**, **AIDS Awareness Rally on World AIDS Day** on December 01, 2008 at Hisar
- Convener**, **AIDS Awareness Rally on World AIDS Day** on 01-12-2008 at Kurukshetra
- Convener**, **AIDS Awareness Rally on World AIDS Day** on 01-12-2007 at Chandigarh.
- Convener**, **Environment Awareness Programme** on 24 November 2007 at Mahendergarh
- Convener**, **Sanitation Awareness Rally** on Nov. 17, 2007 at Sohana (Mohali) Punjab.
- Convener**, **Cycle Rally to Celebrate World Earth Day** on 22<sup>nd</sup> April, 2007 from Panjab University Campus to Sukhna Lake, Chandigarh.

## **Invited / Extension Lecture Delivered**

30) Haryana Institute of Public Administration, Rohtak from 18-10-2024 to 24-04-2025

**Topic: Biodiversity Conservation and Home Gardening**

29) M.K.J.K. College, Rohtak on 18-2-2019

**Topic: 'Zero Budget Natural Farming-Ek Kisan EK Jawan'**

28) K.M. Govt. College, Narwana, (Haryana) on 22-02-2018

**Topic: Role of Biodiversity in Career Guidance**

27) National Service Scheme (NSS), MDU Rohtak on 02-03-2017

**Topic: Biodiversity Conservation**

26) National Service Scheme (NSS), MDU Rohtak on 01-03-2017

**Topic: Ozone Depletion**

25) GGDSD Post Graduate College, Palwal (Haryana) on 07-02-2017

**Topic: Wetland Conservation**

24) Government Girls College, Bawani Khera (Bhiwani) on 25-01-2017

**Topic: How to prepare for competitive examinations**

23) Sharda Girls College, Singhani (Bhiwani) Haryana on 21-01-2017

**Topic: Significance of Science exhibitions**

22) KLP College, Rewari (Haryana) on 18-03-2016

**Topic: Role of Youth in Environment Protection**

21) Government College, Mahendergarh (Haryana) on 28-02-2016

**Topic: National Service Scheme and Environmentalism**

20) Pushpa Gujral Science City, Kapurthala (Punjab) on 17-09-2015

**Topic: Ozone Layer and its significance**

19) Pitamah Kanh Singh (PG) College, Kanina (Mahendergarh) on 07-03-2013

**Topic: Significance of Science Exhibitions**

18) National Service Scheme, UTD, MD University, Rohtak on 13-01-2013

**Topic: Impact of Climate change on Biodiversity**

17) Cambridge College of Education, Birar (Jhajjar) Haryana on 21-02-2009

**Topic: Local Environmental Issues.**

16) PKSD College, Kanina (Mahendergarh) Haryana on 25-12-2008.

**Topic: Education in India: Lacunae and Remedies.**

- 15) KLP College, Rewari (Haryana) on 24-12-2008  
**Topic: Role of Youth in Rural Development.**
- 14) BRM Gaur Public School, Hisar (Haryana) on 01-12-2008  
**Topic: AIDS: Misconceptions and Solutions.**
- 13) Shivalik Institute of Education & Research, Phase 6, Mohali (Punjab) on 22-12-2007.  
**Topic: Current Environmental Issues.**
- 12) Govt. Senior Secondary School, Khuda Lahora (Chandigarh) on 30-11-2007.  
**Topic: World Aids Day**
- 11) BSH Arya Senior Secondary School, Sohana (Mohali) Punjab on 17-11-2007  
**Topic: Village Sanitation Campaign.**
- 10) Govt. Model Senior Secondary School, Sector 46, Chandigarh on 4-01-2007  
**Topic: Herbal Garden at Schools.**
- 9) Village Khuda Lahora, Chandigarh on 19-6-2006  
**Topic: Water Pollution and water borne diseases.**
- 8) Govt. Model Senior Secondary School, Sector 19, Chandigarh on 05-08-2005.  
**Topic: Vermicomposting**
- 7) Govt. Model Senior Secondary School, Sector 19 Chandigarh on 20-07-05  
**Topic: Waste Management through Vermicomposting.**
- 6) Student Activity Center, Panjab University, Chandigarh on 10-1-2004  
**Topic: Rashtra Nirman me Yuvavoka Yogdan**
- 5) Maloya village, Chandigarh on 19-8-2003  
**Topic: Issues in cultivation of Medicinal and Aromatic plants.**
- 4) Govt. High School, Khuda Lahora, Chandigarh on 30-7-2003  
**Topic: Use of Local Medicinal Plants in day to day life.**
- 3) Govt. Sen. Sec. School, Dhanas (Chandigarh) on Population day on 11-7-2003  
**Topic: Population explosion and its impact on Environment.**
- 2) National Service Scheme Camp, Kurukshetra University, Kurukshetra in 2000  
**Topic: Water Crisis in 21st century.**
- 1) Dayanand College, Hisar in 1998  
**Topic: Present Education System.**