

Brief Resume

Dr. Surender Singh Yadav

Associate Professor, Department of Botany,

Maharshi Dayanand University, Rohtak (Haryana) India-124001

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Mobile Number +91-9416902412

Educational Qualification:

- ❖ B.Sc. (Medical), 1999; and M.Sc. (Botany with Ecology specialization), 2001; Kurukshetra University, Kurukshetra, Haryana, India with 1st division and in 1st attempt
- ❖ Qualified CSIR-UGC NET, conducted by CSIR, Government of India, New Delhi in 2003
- ❖ Ph.D. (2007) "Ecological Status of Medicinal & Aromatic Plants of Haryana State" P.U. Chandigarh
- ❖ 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:

2008-Conti... Assistant Professor, Department of Botany, Maharshi Dayanand University, Rohtak

2006-2008 Scientific Officer, National Institute of Pharmaceutical Education and Research, Mohali

2005-2006 Lecturer in Botany, GGSDS College, Sector 32, Chandigarh

2002-2004 Research Fellow, Centre for Environment Studies, Panjab University, Chandigarh

Other Professional Experience:

- ❖ Co-ordinator, MDU Think Tank
- ❖ Co-ordinator, University Outreach Programme
- ❖ Nodal Officer, Ek Bharat Shreshtha Bharat Programme
- ❖ Co-ordinator, Alumni Relations, Dept. of Botany, MDU Rohtak
- ❖ Deputy Advisor, Campus Forestry, M.D. University Rohtak
- ❖ Deputy Editor of Prayavaran Sanjeevni Magazine having ISSN Number
- ❖ Nodal Officer, State Level Essay Writing Competition by HSCST, Govt. of Haryana
- ❖ Convener, Society for Education and Environment Development (SEED Society), Haryana
- ❖ Convener, Sub-Committee for Survey of Horticultural Works of MDU, Rohtak
- ❖ Programme Officer, Youth Red Cross of University (2009–2015)
- ❖ Co-convener, Competitive Events Committee, 25th National Youth Festival (2017)
- ❖ Member, Academic Council of MDU Rohtak (2011-13)

Specific Contribution in the Field of Ecology, Environment and Biodiversity

- Published **61 Research papers/articles** on **Ecology/Biodiversity** in reputed National & International Journals
- Conducting Research on ecological and biodiversity aspects of Haryana State 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
- Organised national seminar on "Biodiversity: Concerns and Solutions" at MDU Rohtak in 2009
- Deputy Editor of famous environment magazine 'Prayavaran Sanjeevni' since 2010
- Organised national conference on "Biodiversity: Challenges and Opportunities" at MDU Rohtak in 2011
- Delivered more than 50 **Extension Lectures, Radio Talks on AIR and T.V. Shows on biodiversity.**
- Organised 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.

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

- Awarded **Major Research Grant** by HSCST, Department of Science & Technology, Govt. of Haryana, 2017
- Awarded **Science Academies' (IASc-INSa-NASi) Summer Research Fellowship** to study Plant Taxonomy at Botanical Survey of India, Pune with Regional Director Dr. P. Lakshminarsihman, 2016
- Awarded **1st Position in Research Paper Presentation in National Seminar** at CBLU, Bhiwani, 2016
- Awarded Minor Research Grant by R K Fund, MD University, Rohtak, Haryana, India, 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**
- Awarded Major Research Grant by HSCST, Department of Science & Technology, Govt of Haryana, 2012
- Awarded Major Research Project Grant, University Grants Commission, New Delhi, India, 2011
- Awarded Minor Research Grant by R K Fund, MD University, Rohtak, Haryana, India, 2010
- Awarded **DS Kothari Postdoctoral Fellowship, University Grants Commission, New Delhi, 2008**
- Awarded **Junior Scientist Award by National Environmental Sciences Academy, New Delhi, India, 2006**
- **1st 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

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E-mail: ssyadavindia@rediffmail.com

Academic Qualification:

<i>Exam passed</i>	<i>Board/University</i>	<i>Year</i>	<i>Percentage</i>	<i>Division</i>
<i>Matric</i>	<i>B.S.E.H, Bhiwani, India</i>	<i>1994</i>	<i>69.83</i>	<i>1st</i>
<i>10+2</i>	<i>B.S.E.H, Bhiwani, India</i>	<i>1996</i>	<i>63.50</i>	<i>1st</i>
<i>B.Sc.</i>	<i>K.U. Kurukshetra, India</i>	<i>1999</i>	<i>63.40</i>	<i>1st</i>
<i>M.Sc.(Botany)</i>	<i>K.U. Kurukshetra, India</i>	<i>2001</i>	<i>67.60</i>	<i>1st</i>
<i>B.Ed.</i>	<i>M.D.U. Rohtak, India</i>	<i>2002</i>	<i>64.22</i>	<i>1st</i>
<i>N.E.T.</i>	<i>C.S.I.R.-New Delhi, India</i>	<i>2003</i>	<i>--</i>	<i>--</i>
<i>Ph.D.</i>	<i>P.U. Chandigarh, India</i>	<i>2007</i>	<i>--</i>	<i>--</i>

Title of Ph.D. Thesis: “Ecological Status of Medicinal and Aromatic Plants of Haryana State”

Employment Record

Period of service	Name of Institution	Post held	Nature of work
2008-Till date	M.D. University Rohtak (Haryana) INDIA	Assistant Professor	Teaching and Research
2006-2008	National Institute of Pharmaceutical Education and Research (NIPER), Mohali	Scientific Officer (Ethnobotany)	Research and Development
2005-2006	GGSDS College, Chandigarh (INDIA)	Lecturer	Teaching and Research
2002-2004	Panjab University, Chandigarh (INDIA)	Project Fellow	Research and Development

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

Awards and Honours

- ❖ Awarded Certificate of Appreciation by Department of Forest, Government of Haryana, 2017
- ❖ 1st Position in research paper presentation in National Seminar at CBLU, Bhiwani (Haryana) in 2016
- ❖ Awarded Certificate of Appreciation by Department of Forest, Government of Haryana, 2014
- ❖ Junior Scientist Award by National Environmental Sciences Academy, New Delhi, India, 2006
- ❖ 1st Position, National Level Debate Competition, MJP Rohilkhand University, Bareilly, India, 2000
- ❖ National Service Scheme Merit Certificate, Kurukshetra University, Kurukshetra, India, 1999
- ❖ University Gold Medal in Quiz Contest, Kurukshetra University, Kurukshetra, India, 1999

Grants and Fellowships

- 2018-21. Major Research Project entitled "Invasive Alien Plants in Himalayas: Status, Ecological Impact and Management" sponsored by Ministry of Environment, Forest and Climate Change, Government of India, New Delhi
- 2018-19 Floristic Diversity of Ornamental Plants of M.D. University Campus, Rohtak by R K Fund, MD University, Rohtak (Haryana).
- 2017-20 Major Research Project for the project entitled "Bioprospection of Medicinal Flora of Aravalli Hill Ranges of Haryana" sponsored by Haryana State Council for Science and Technology (HSCST), Panchkula (Haryana).
- 2016 Science Academies' (IASc-INSA-NASI) Summer Research Fellowship to work at Botanical Survey of India (WC), Pune.
- 2016-17 Minor Research Grant for the project entitled "Floristic Diversity of Tilyar Lake" by R K Fund, MD University, Rohtak (Haryana).
- 2014-15 Raman Post-Doctoral Fellowship by University Grants Commission to work at The Ohio State University, Columbus (Ohio) USA.
- 2012-15 Major Research Grant for the project entitled "Exploration and Documentation of Ethnoveterinary Medicine in Central and Southern Haryana with special reference to Rohtak and Mahendergarh districts" sponsored by Haryana State Council for Science and Technology (HSCST), Panchkula (Haryana).
- 2011-14 Major Research Grant for the project entitled "Ecological status and ethnobotanical potential of Village Community Forests (VCFs) of District Jhajjar (Haryana state) INDIA" by University Grants Commission, New Delhi (INDIA).
- 2010-11 Minor Research Grant for the project entitled "Inventorization of tree flora of M.D. University campus" by R K Fund, MD University, Rohtak (Haryana).
- 2008 DS Kothari Postdoctoral Fellowship by University Grants Commission, New Delhi (INDIA)

Fieldwork related to Ecology and Biodiversity

- 10) 2018-Conti... Floristic Diversity of Ornamental Plants of M.D. University Campus, Rohtak
- 9) 2016- Conti... Bioprospection of Medicinal Flora of Aravalli Hill Ranges of Haryana
- 8) 2013-2016 Ethnoveterinary potential of Central and Southern Haryana
- 7) 2012- 2016 Ecological studies of village ponds of District Jhajjar, Haryana
- 6) 2011- 2015 Floristic diversity of District Mahendergarh (Haryana)
- 5) 2010-2014 Ecological survey of village community forest in District Jhajjar (Haryana)
- 4) 2009-10: Traditional Knowledge of famers of Mahendergarh District (Haryana)
- 3) 2008-09: Documentation of ethnoveterinary medicine of District Jhajjar (Haryana)
- 2) 2006-08: Exploration of herbal wealth of North East India, one of the hotspot of biodiversity
- 1) 2002-04: Ecological survey of medicinal and aromatic plants of Haryana state

Editorship

- 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.

Research Guidance: 3 Ph.D. (Awarded); 4 Ph.D. Pursuing; 42 M.Sc.; 3 Project Fellows

List of Publications

- 61) Neelam 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) Neetu 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) A.S. Rao, Anita Sheoran, S.A. Ganaie, **S.S. Yadav**, Neetu Singh, Abhishek Nandal, M.S. Bhandoria & Pradeep 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: 0.757**)
- 58) Rathee, S., Ahmad, M., Sharma, P., Singh, H. P., Batish, D. R., Kaur, S., Kaur, A., **Yadav, S.S.** and Kohli, R. K. 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: 4.360**)
- 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)
- 34) Gulia, SK, Ganie, SA, Bhandoria, MS and Yadav, SS (2015). Medicinal Plants as a source of anticancer agents. In the 'Reviewed Proceedings of National Seminar on Innovative Researches in Life Sciences' organised by Department of Zoology, Maharshi Dayanand University, Rohtak (Haryana) India, pp: 128-132.
- 33) Ganie, S.A. and **Yadav, S.S.** (2015) FT-IR Spectroscopic Analysis of *Holoptelea integrifolia* (Roxb.) Planch Seed Extracts and their Antibacterial Activity. *Research J. of Medicinal Plant* 9 (8): 417-426 (ISSN 1819-3455); SJR 0.422; SNIP 1.107 (UGC No. 10458)
- 32) S.A. Ganie, S. K. Gulia, M. S. Bhandoria and **S. S. Yadav** (2015). *Boerhavia diffusa* L.: A Natural Source of Antimicrobials and Antioxidants. *Journal of Basic Sciences*, Vol., 2: 78-84. (E-ISSN 2454-1931)
- 31) S.K. Gulia, S.A. Ganie, M.S. Bhandoria and **S.S. Yadav** (2015). Conservation and Management of Sacred Groves. *Journal of Basic Sciences* Vol. 2, 26-31. (E-ISSN 2454-1931)
- 30) Mudasser Zaffer, Showkat Ahmad Ganie, Surender Singh Gulia, **S.S. Yadav**, Ranjana Singh and Sujata Ganguly (2015). Antifungal Efficacy of *Moringa oleifera* Lam. *American Journal of Phytomedicine and Clinical Therapeutics*, 3(1): 028-033. (ISSN 2321-2748); SJIF-3.266; JI Factor 0.69; h-index-5; i10-index-4; Google Scholar indexing
- 29) **S.S. Yadav**, Kuldeep Dahiya, Showkat A. Ganie, Surender K. Gulia (2015). Antibacterial activity of *Aegle marmelos* (L) Correa. *International Journal of Pharmacy and Pharmaceutical Sciences*, 7(3): 462-464. (ISSN 0975-1491); SJR 0.298; SNIP 0.643; Google Scholar and Scopus indexing (UGC No. 23339)
- 28) A. Saini, D. K. Gahlawat, C. Chauhan, S. K. Gulia, S. A. Ganie, Archita and **S.S. Yadav** (2015). Ethno medicinal uses and phytochemistry of *Abutilon indicum* (Linn.) Sweet: an overview. *Journal of Pharmacognosy and Phytochemistry*, 3 (5): 66-72. (E-ISSN: 2278-4136); GIF: 0.255, ICV: 5.52; Google Scholar and ProQuest indexing (UGC No. 46917)
- 27) Showkat A. Ganie, S. K. Gulia, **S.S. Yadav** (2014). *Xanthium strumerium* L.: An Ethnomedicinal and Phytochemical Review. *International Journal of Phytomedicine*, 6(4): 471-476. ISSN No. 0975-0185; SJR 0.229; SNIP 0.574 (UGC No. 23354)
- 26) **Yadav, S.S.**, Bhandoria, M.S., Raghav, TBS, Gulia, SK and Neelam (2014) Floristic Inventory of Dhosi Hill bordering Haryana and Rajasthan in India. *Plant Archives* Vol. 14(2): 863-870. ISSN: 0972-5210 (UGC No. 30969)
- 25) Ganie, S.A. and **Yadav, S.S.** (2014) *Holoptelea integrifolia* (Roxb.) Planch: A Review of its Ethnobotany, Pharmacology and Phytochemistry. *Biomed Research International* <http://dx.doi.org/10.1155/2014/401213> (**Impact Factor: 2.88**) pISSN: 2314-6133 (UGC No. 14762)
- 24) **Yadav, S.S.**, Bhukal, R.K., Bhandoria, M.S., Ganie, S.A., Gulia, S.K. and Raghav, T.B.S. (2014) Ethnoveterinary Medicinal Plants of Tosham Block of District Bhiwani (Haryana) India. *Journal of Applied Pharmaceutical Science* Vol. 4(6): 044-048 (ISSN No. 2231-3354) **Scopus Indexed Journal** (UGC No. 21419)

- 23) **Yadav, S.S.**, Surender S. Gulia, Showkat A. Ganie, T.B.S. Raghav and M.S. Bhandoria (2014) Wetlands: A Review on its Ecosystem services, Degradation, Conservation and Management. In the Proceedings of National Seminar “Next Generation Sciences: Vision 2020 & Beyond” organised by Department of Zoology, Maharshi Dayanand University, Rohtak (Haryana) India, pp 414-419.
- 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.
- 21) **Yadav, S.S.** and Ganie, S.A. (2014) *Holoptelea integrifolia* (Roxb.) Planch: An Important Antidiabetic Plant. In the Proceedings of National Seminar “Next Generation Sciences: Vision 2020 & Beyond” organised by Department of Zoology, Maharshi Dayanand University, Rohtak (Haryana) India, pp 447-452.
- 20) **Yadav, S.S.** and Bhandoria, M.S. (2013) Ethnobotanical Exploration in Mahendragarh District of Haryana (India). *Journal of Medicinal Plant Research* Vol. 7(18): 1263-1271 (ISSN No. 1996-0875)
- 19) **Yadav, S.S.** (2012) Van Sanrakshan me Yuvaonki Bhumika. *Priyavaran Sanjivni*. Vol. 16: 3-5 (ISSN No. 0974-911X)
- 18) **Yadav, S.S.** (2012) Medicinal Plant used in Curing parasitic infectious Diseases of Domestic Animals in South Haryana (India). *International Journal on Biological Sciences* (India) Vol. 3(1): 57-63 (ISSN No. 0976-4518) (UGC No. 7775)
- 17) **Yadav, S.S.** (2012) Marushthalikaran: Ek Antrastraye Samashya. *Priyavaran Sanjivni*. Vol. 16: 30-32 (ISSN No. 0974-911X)
- 16) **Yadav, S.S.** and Kumar, R. (2012) Genetically Modified Foods: Benefits, Risks, Controversies and Disadvantages. *International Journal on Agricultural Sciences* (India) Vol. 3(1): 105-111 (ISSN No. 0976-450X) (UGC No. 62958)
- 15) Kundu, S. and **Yadav, S.S.** (2011). A comparative study of seasonal variation in Ghaggar River water in Haryana and Punjab Region, India. In the Proceedings of National Seminar “Environmental Degradation: Issues and Remedies” organised by Dayanand Post Graduate College, Hisar (Haryana) Page No. 18-23.
- 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).
- 13) **S.S. Yadav**, Singh, V., Kundu, S. and Singh, G. (2010) Jaiv Vividhta. *Priyavaran Sanjivni*. Vol. 14: 30-37 (ISSN No. 0974-911X)
- 12) Kundu, S., Thakur, D., Gill, G.S., Kishore, N. and **Yadav, S. S.** (2010) A Comparative Study of Seasonal Variation in Groundwater Quality along The Ghaggar River in Haryana and Punjab, India. *International Journal on Environmental Sciences* (India) Vol. I (3): 269-277 (ISSN No. 0976-4534). (UGC No. 7783)
- 11) Kundu, S., Thakur, D., Gill, G.S., Kishore, N. and **Yadav, S. S.** (2010) Groundwater Quality of Upper Ghaggar River Basin and its Suitability for Drinking and Irrigation Purposes. *International Journal on Environmental Sciences* (India) Vol. I (3): 295-305 (ISSN No. 0976-4534) (UGC- 7783)
- 10) Singh, H.P., Batish, D.R, Mittal, S., **Yadav, S.** and Kohli, R.K. (2008). Constituents of Leaf Essential Oil of *Mentha longifolia* from India. *Chemistry of Natural Compounds (USA)* Vol. 44 (4): 528-529 **Impact Factor**: 0.442 (ISSN No. 0009-3130, E-ISSN No. 1573-8388) (UGC No. 5530).
- 9) Singh, H.P., Batish, D.R, Kohli, R.K., Mittal, S. and **Yadav, S.S.** (2008). Chemical composition of essential oil from leaves of *Chenopodium ambrisooides* from Chandigarh, India. *Chemistry of*

Natural Compounds (USA). Vol. 44 (3): 378-379 **Impact Factor:** 0.442 (ISSN NO. 0009-3130, E-ISSN No. 1573-8388) (UGC No. 5530).

- 8) Batish, D.R., Singh, H.P., Kaur, M., Kohli, R.K. and **Yadav, S.S.** (2008). Caffeine affects morphogenetic response and causes biochemical changes in the hypocotyls cuttings of mung bean (*Phaseolus aureus* Roxb.). *Acta Physiologiae Plantarum. (Germany)* Vol. 30: 401–405 **Impact Factor:** 0.295 (ISSN No. 1861-1664) (UGC No. 720).
- 7) Batish, D.R., Singh, H.P., Kaur, S., Kohli, R.K. and **Yadav, S.S.** (2008). Caffeic acid affects germination, early growth and morphogenetic response of hypocotyl cuttings of mung bean (*Phaseolus aureus*). *Journal of Plant Physiology (USA)* Vol. 165(3): 297-305 **Impact Factor:** 2.239 (ISSN NO. 0176-1617) (UGC No. 19259)
- 6) Batish, D.R., Singh, H.P., Setia, N., Kohli, R.K., Kaur, S. and **Yadav, S.S.** (2007). Alternative control of littleseed canary grass using Eucalypt oil. *Agronomy for Sustainable Development (France)*. Vol. 27: 1-7 **Impact Factor:** 1.000 (ISSN No. 1774-0746) (UGC No. 3087)
- 5) Batish, D.R., Singh, H.P., Kohli, R.K., Kaur, S., Saxena, D.B, and **Yadav, S.** (2007) Assessment of the phytotoxicity of Parthenin. *Zeitschrift fur Naturforschung (Germany)* Vol. 62c: 367-372 **Impact Factor:** 0.756 (ISSN No. 1865-7125) (UGC No. 25389)
- 4) Batish, D.R., Singh, H.P., Kohli, R.K., Johar, V. and **Yadav, S.** (2004). Management of Invasive Exotic Weeds requires community participation. *Weed Technology (USA)*, Vol. 18: 1445-1448. **Impact Factor:** 0.858 (ISSN No. 1550-2740) (UGC No. 32879)
- 3) **Yadav, S.S.**, Kohli, R.K., Batish, D.R. and Singh, H.P. (2004). Ecological Status of *Calotropis procera* (Ait.) R. Br. in different parts of Haryana State. *Bulletin of Biological Sciences*, Vol. II pp. 126-129.
- 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.
- 1) **Yadav, S.S.** (2001). Jal Sankat (Water Crisis) in 21st century. *Kalanidhi*. Kurukshetra University, Kurukshetra (Haryana) (**Declared Second best article of the magazine for the session 2001-02**).

Book Publication: Assisted in following publications

- **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).

Refresher Courses/Workshops/Training Programmes attended

SN	Programme	Date and Duration	Organized by
26	National Workshop on Writing Research Proposal	30-04-2021	Institute of Management Studies and Research in collaboration with Chaudhary Ranbir Singh Institute of Social and Economic Change, MDU Rohtak
25	Science Academies' Refresher course on Cryptogamic Botany	4-3-2021 to 17-03-2021 (14 Days)	Department of Botany, Vivekanandha College of Arts and Sciences for Women (Autonomous), Tiruchengode, Namakkal District, TamilNadu, India
24	Short Term Course on Plagiarism and Ethical Issues in Research Work	7 Days 2020	UGC-HRDC, Guru Nanak Dev University, Amritsar (Punjab)
23	UGC-sponsored Short Term Course/Faculty Development Programme on 'Environmental Awareness'	18-01-2019 to 24-01-2019 (07 Days)	Human Resource Development Center, Panjab University, Chandigarh
22	Science Academies' Refresher Course on 'Plant Taxonomy and Ethnobotany	14 Days October 8-21, 2018	Department of Botany, Maharshi Dayanand University, Rohtak (Haryana)
21	DBT-Short Term Training Course on Analytical Techniques in Bioprospecting of Medicinal Plants	17 days 2017	Department of Botany, Bharathiar University, Coimbatore (Tamil Nadu)
20	Science Academies' Summer Research Fellowship	24-6-16 to 22-8-2016	Botanical Survey of India (Western Circle), Pune
19	Refresher Course in Botany	27-5-16 to 16-06-2016 (21 days)	UGC-HRDC Guru Ghansi Das University, Bilaspur (Chhattisgarh)
18	Short Term Training Programmes on Environmental Studies	02-06-15 to 12-6-15 (11 Days)	Indian Institute of Technology, Bombay
17	Workshop on 'Techniques in Monitoring Environmental Pollution'	October 25-26, 2013	Department of Environmental Sciences, Maharshi Dayanand University, Rohtak (Haryana)
16	Health Awareness and Training Camp at Udaipur	27-01-2014 to 02-02-2014	Youth Red Cross, MDU Rohtak
15	Personality Development and Communication Skills	22-11-2013 (One Day)	Department of Botany, MD University, Rohtak
14	Modern Techniques in Ethnobotanical Research	March 13-15, 2014 (3 days)	Institute of Ethnobiology & School of Studies in Botany, Jiwaji University, Gwalior
13	University Level workshop on "Self Defense and Rescue Operations"	February 20, 2014	Youth Red Cross, Maharshi Dayanand University, Rohtak (Haryana)
12	Workshop on "Workplace Sexual	January 24,	Women's Studies Centre,

	Harassment of Women”	2014	Maharshi Dayanand University, Rohtak (Haryana)
11	Workshop on Biological Database and Sequence Analysis	29-3-2013 (one day)	Department of Botany, Maharshi Dayanand University, Rohtak
10	7th Inter-State Training-cum-Study Camp for Youth Red Cross Volunteers and Programme Officers	11-10-2012 to 15-10-2012 (5 Days)	Indian Red Cross Society, Tamil Nadu State Branch, and Youth Red Cross, Periyar University, Salem, Tamil Nadu
9	Science Academies’ Refresher Course on Traditional & Modern Approaches in Plant Taxonomy	Nov. 15-29, 2012 (15 days)	University of Agricultural Sciences, GKVK Campus, Bangalore
8	NRDMS Summer Training Workshop on Geo Spatial Technology	28.5.2012 to 17.06.2012 (21 days)	Department of Geography
7	Refresher Course in Botany	19.12.2011 to 07.01.2012 (21 days)	Academic Staff College, University of Rajasthan, Jaipur
6	Workshop on Methods and Approaches in Plant Systematics	Dec 5-14, 2011 (10 days)	National Botanical Research Institute, Lucknow
5	Workshop on “Application of Remote Sensing, GIS and GPS in Natural Resource Management”	16-05-2011 to 25-5-2011 (10 days)	Department of Geography, Maharshi Dayanand University, Rohtak
4	Orientation Course	01-09-2010 to 28-9-2010 (28 days)	Academic Staff College, Panjab University, Chandigarh
3	Computer Training “Project Shiksha-Partners in learning” for Teachers at Paota, Jaipur	October 28 to November 9, 2004	Microsoft India, Jaipur
2	National Integration Camp	February 22- 28, 2000	Ministry of Youth Welfare and Sports, Govt. of India at M.J.P. Rohillkhand University, Bareilly, Uttar Pradesh 243006
1	National Integration Camp	January 19-25, 2000	Ministry of Youth Welfare and Sports, Govt. of India at K. U. Kurukshetra

Participation and Papers presented in Conferences/Seminars/Workshop/Symposia etc.

SN	Title of the Paper presented	Title of the Conference / Seminar etc and organizer	Dates of the event	Whether international/national level
48	Biodiversity: Challenges and Opportunities	National Level Training Programme on ‘Physiological Approaches to Combat Stresses’ organised by ICAR-Directorate of Rapeseed-Mustard Research, Bharatpur (Rajasthan)	July 09, 2021	National
47	Sustaining ecology for sustaining growth	National Webinar on ‘Ecology is permanent Economy’ organised by Govt College, Barota (Gohana), Haryana	July 07, 2021	National

46	Some prominent Environmental issues of South Haryana	National Webinar on World Environment Day organised by Govt. College for Women, Ateli, District Mahendergarh	June 05, 2021	National
45	Biodiversity: Challenges and Opportunities with special reference to North East India (Keynote Speaker)	Online National Conference on 'Biological Resources and Human Welfare' organised by DR College, Golaghat (Assam)	July 12, 2020	National
44	Biodiversity: Challenges and Opportunities (Valedictory Speaker)	Online National Conference on 'Environment: An Intelligent Recycling System' organised by Govt. College for Girls, Gurugram	June 5-6, 2020	National
43	Role of Wild Plants for Health and Vitality	National Seminar on Recent Advances in Life Sciences' organised by DPG Degree College, Gurugram	Feb. 22, 2020	National
42	Ethnomedicinal Plants of Aravalli Hill Ranges of Haryana State	'International Symposium on Plant Taxonomy and Ethnobotany' organised by Botanical Survey of India, Kolkata	Feb. 13-14, 2020	International
41	Climate Change and Vulnerability of Rural Women	107th Indian Science Congress organised by Indian Science Congress Association and University of Agricultural Sciences, Bangalore	January 03-07, 2020	National
40	Biodiversity Conservation (Key Note Speaker)	National Seminar on 'Challenges to Biodiversity Conservation and Sustainable Development' organised by GMN College, Ambala Cantt.	Dec. 13, 2019	National
39	Achieving Food Security with Climate Smart Agriculture	National Conference on 'Science and Technology for Rural Development' organised by Dept. of Chemistry, MDU Rohtak	October 14-15, 2019	National
38	Bioprospection of ethnomedicinal plants and IPR issues	International Conference on 'Prospects in Innovative Practices' organised by IPR Cell and Dept. of Pharmaceutical Sciences, MDU Rohtak	August 29, 2019	International
37	Significance of vegetation in Valmiki's Ramayana	Maharshi Valmiki Chair, MDU Rohtak	March 30, 2019	International
36	Climate change and its impact on Biodiversity	National Conference on 'Global Climate Change: Concerns and Solutions' organised by ESM Cell, MDU Rohtak	Feb. 15-16, 2019	National
35	Ecological Foot Print	National Conference on 'Science and Technology for Sustainable	Feb.12-13, 2019	National

	Environmental Sustainability	Development' organised by Dept. of Chemistry, MDU Rohtak		
34	Role of Homestead Farming in Sustainable Development	National Seminar on 'Frontiers in Life Sciences-An Interdisciplinary perspective' Dept. of Zoology, MDU, Rohtak	March 15, 2019	National
33	Stubble Burning: Reasons and Remedies	International Development Centre Foundation, Delhi	Sept. 7-8, 2018	International
32	Ethnoveterinary Medicinal Potential of South Haryana	International Conference on 'Phytomedicine' Org. by Dept. of Botany, Bharathiar University, Coimbatore	August 29-31, 2018	International
31	Traditional Knowledge and Benefit Sharing	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	National
30	Issues and Challenges in Biodiversity Conservation	National Seminar on 'Emerging Trends & Challenges in Biosciences' organised by GMN College, Ambala Cantt	March 10, 2018	National
29	Home Gardening: A Panacea for Global Food Security and Climate Change	International Conference on 'Sustainable Agriculture, Energy, Environment and Technology' organised by ESM Cell, MDU Rohtak	Feb. 24-25, 2018	International
28	Climate Change-Threat to quality and quantity of food varieties	National Seminar on 'Climate Change and Food Security' organised by Center for Biotechnology, MDU Rohtak	January 25, 2018	National
27	Role of Biodiversity in achieving food security and Sustainable Development Goals	National Conference on 'Food Processing for Value Addition: Trends and Innovation' organised by Dept. of Food Technology, MDU Rohtak	Nov. 27, 2017	National
26	Issues and Challenges in using medicinal plants as antimicrobial agents	International Conference on 'Microbes for Health and Wealth' organised by Dept. of Microbiology, MDU Rohtak	Nov. 14, 2017	International
25	Role of Youth in Achieving Sustainable Development Goals	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	International
24	Significance of botanical evidences in crime investigation	One Day National Seminar on 'Current Scenario in Forensic Investigative Techniques, Dept. of Genetics, MDU Rohtak	Sept. 7 2017	National
23	Homegardens: A	'Agro-forestry – Present Status,	Feb. 15-16,	National

	Sustainable Agroforestry Ecosystem	Opportunity and Challenges’ Forest Dept., Govt of Haryana	2017	
22	Bioprospecting and Benefit Sharing Issues	‘Biodiversity and Sustainable Utilization of Plant Resources’ Deptt. of Botany, KU Kurukshetra	Feb. 17-18, 2017	National
21	Medicinal & Nutritional uses of <i>Moringa oleifera</i> Lam.	Biodiversity: Status and Significance Organized by Deptt. of Botany, MDU, Rohtak	March 21, 2017	National
20	Floristic Diversity in Valmiki’s Ramayana	‘History & Geography as Narrated in Valmiki Ramayana’ Org. by Deptt of Sanskrit, Pali and Prakarat, MDU Rohtak	March 27, 2017	National
19	Ecological Consequences of Ozone Depletion	‘Today’s Vision: Save Ozone, Save Earth’ Org. by Env. Sc., MDU Rohtak	Sept. 16, 2015	National
18	Wild Edible Plants of Bhiwani District	Climate Change and Food Security” Org. by Ch. Bansilal University, Bhiwani	January 16, 2016	National
17	Climate Change and Women Vulnerability	‘Education, Media, Society & Women Empowerment’ Org. by Shree Ram Mulkh College of Education, Ferozepur Dandrawal, Panchkula	February 09-10, 2013	National
16	Emerging Significance of Chemotaxonomy in Plant Taxonomic and Phylogenetic Studies	Conference on Advances in Chemical Sciences Org. by Deptt. of Chemistry, MDU Rohtak	March 02, 2013	National
15	Impact of Invasive Alien Plants on Biodiversity	Geoinformatics for biodiversity and Climate Change’ Org. by Deptt. of Geography, MDU, Rohtak	March 14-16, 2013	International
14	Recent Issues in Herbarium Technology	Promising Trends in Science Galaxy (PTSG-2013)’ Org. by Deptt. of Zoology, MDU, Rohtak	March 20, 2013	National
13	Invasive Alien Species	“Biodiversity: Issues & Challenges” organized by Government College, Gurgaon	March 15-16, 2012	National Seminar
12	Impact of Human Activities on Environment	“Environmental Degradation: Issues and Remedies” organized by D.N. College, Hisar	February 28, 2012	National Seminar
11	Medicinal Plants used for controlling parasitic infections in	“Traditional Medicines and Globalization: The Future of Ancient Systems of Medicine” organized by Jadavpur University, Jadavpur, Kolkata (West Bengal)	February 17-19, 2012	International Conference
10	Biodiversity and Benefit Sharing in the era of Intellectual Property	“Biodiversity: Changing Pattern & Conservation Strategies” organized by Department of Botany, DDU Gorakhpur	Nov. 26-28, 2011	National Conference

	Rights	University, Gorakhpur		
9	Traditional uses of plants by tribal population of District Alirajpur (MP) India	Biodiversity: Challenges and Opportunities organized by Department of Botany, MDU, Rohtak	February 18-19, 2011	National
8	The relationship between woman rights and biodiversity conservation	“Human Rights Education” organized by Dayanand College, Hisar	February 12, 2011	National
7	A Comparative Study of Seasonal Variation in Ghaggar River Water in Haryana and Punjab	“Environmental Degradation: Issues and Remedies” Dayanand Post Graduate College, Hisar (Haryana)	February 11, 2011	National
6	Ethnomedicinal Potential of South Haryana	“Biodiversity-Impact of Global Change” D.A.V. College (Lahore) Ambala City, Haryana	January 22, 2011	National
5	Role of <i>Salvadora persica</i> L. (Toothbrush tree) in oral Healthcare	“Folk & Herbal Medicine” Department of Botany, Mohanlal Sukhadia University, Udaipur, Rajasthan	November 25-27, 2010.	International
4	Ecological status and ethnobotany of medicinal plants of Kaithal district’	“ Environmental Challenges: Sustainable Development ” held at Department of Environmental Sciences, Maharshi Dayanand University, Rohtak	March 29-30, 2010	National Seminar
3	‘Importance of field studies in science education’	“ Conference on Quality Improvement in Teacher Education ” held at Sanskriti Institute of Education and Technology, Amarpur Jorassi (Narnaul) Haryana	March 14, 2010	National
2	Ecological status of Medicinal plants of District Bhiwani (Haryana)	International Workshop on “ Recent Trends in Environmental Science ”, Jamia Hamdard University, New Delhi	April 24-26, 2004	International
1	Medicinal Plants of Rewari District, Haryana	National Seminar on “ Ecology and Environment Management: Issues and Research Needs ”. Kurukshetra University, Kurukshetra	January 8-9, 2004	National Seminar

Invited for Conferences/Seminars/Workshops/Symposia to Deliver Lectures

S. N.	Title of the Lecture/ Academic Session chaired	Title of Conference/ Seminar etc.	Date of the event	Organised by	Whether international/national/university or college level
15	Lecture delivered on Stratospheric Ozone Depletion	Scientific & Technology Terminology in Environment Science	17-09-2016	CSTT, MHRD, Govt. of India at GG Govt. College, Banswara	National Level
14	Structure and functions of Youth Red Cross	Youth Red Cross	14-10-2016	Youth Red Cross, MDU Rohtak	University level
13	Job opportunities in Sciences	Placement cell	25-01-2017	Govt. College for Women, Bawani Khera	College level
12	Motivational Lecture for NET/SET preparation	Environment Awareness Week	07-02-2017	GGDSD College, Palwal	College Level
11	Biodiversity	Environment Awareness Week	07-02-2017	GGDSD College, Palwal	College Level
10	Ozone Depletion	Disaster management workshop	01-03-2017	NSS office, MDU, Rohtak	University level
9	Biodiversity Conservation	Disaster management workshop	02-03-2017	NSS office, MDU, Rohtak	University level
8	Expert lecture on ‘Ozone Depletion’	Ozone Day Celebration	17-09-2015	Pushpa Gujral Science City, Kapurthala	State Level
7	Role of Youth in Conservation of Nature	NSS Seven Day camp	28-02-2016	Govt College, Mahendergarh (Haryana)	College level
6	Role of Plants in Controlling Environmental Pollution	NSS Seven Day camp	18-03-2016	KLP College Rewari	College level
5	Soil organic carbon and nitrogen stocks in corn-soyabean and vegetable production systems	Carbon Sequestration and Management	30-3-2015	Ohio State University, Columbus (Ohio) USA	International
4	Climate Change and Women’s Vulnerability to Climate Change	Carbon Sequestration & Management	9-12-2014	Ohio State University, Columbus (Ohio) USA	International
3	Ozone Layer Protection	Environment Awareness	Sept 16, 2014	Pt NRS Govt College, Rohtak	College Level
2	‘Youth Power’	NSS Camp	13-01-2013	NSS, MDU Rohtak	UTD Level
1	Keynote Lecture entitled ‘Role of Legislature in Biodiversity conservation’	Environment Management Workshop	09-10-2010	Department of Law, MDU Rohtak	University Level

Invited for Conferences/Seminars/Workshops/Symposia to Chair Sessions

S N	Title of the Lecture/ Academic Session chaired	Title of Conference/ Seminar etc.	Date of the event	Organised by	Whether international/ national/univer sity or college level
7	Chaired Technical Session	International Multidisciplinary Seminar on Research Methodology	Nov. 30 to Dec. 01, 2019	Global Teacher Educator Association and Dept of Education, MDU Rohtak and	International
6	Chaired Technical Session	International Conference on Phytomedicine	August 29-31, 2018	Dept. of Botany, Bharathiar University, Coimbatore	International
5	Chaired Technical Session	National Seminar on 'Emerging Trends & Challenges in Biosciences'	March 10, 2018	GMN College, Ambala Cantt	National
4	Session Chaired Technical session on Technical Terminology	Scientific & Technology Terminology in Environment Science	Sept. 16- 17, 2016	CSTT, MHRD, Govt of India at GG Govt College, Banswara	National Level
3	Chaired Technical Session	International Geographic Union (IGU) Conference	March 14-16, 2013	Deptt of Geography, MDU Rohtak	International
2	Chaired the 2nd Technical Session Cognitive aspects of stress Management	Dynamics and Dimensions of Stress Management	December 09, 2012	Swami Ganeshanand Sanatan Dharma College of Education, Uchana Kalan, Jind	National
1	Chaired Technical Session	Conference on Quality Improvement in Teacher Education	March 14, 2010	Sanskriti Institute of Education and Technology, Amarpur Jorassi (Narnaul)Haryana	National

Quiz Coordinator for conducting G.K. Quizzes at Zonal, Interzonal youth festivals organized by **Dean Students' Welfare Office, MDU Rohtak.**





SN	Name of Zone	Venue	Dates
50	Inter-Zonal	Online	01-11-2020
49	Inter-Zonal	Inter-Zonal Youth Festival, MDU Rohtak	15-11-2019
48	Gurgaon Zone	SDIMT College, Faridabad	11-11-2019
47	Rohtak Zone	Vaish College of Engineering, Rohtak	10-11-2019
46	Sonepat Zone	Tikaram Girls College, Sonepat	06-11-2019
45	Inter Zonal Youth Festival (IZYF)	Inter Zonal Youth Festival (IZYF)	11-11-2018
44	Gurgaon Zone	Gurgaon Zone	02-11-2018
43	Haryana Day, MDU Rohtak	Haryana Day, MDU Rohtak	01-11-2018
42	Sonepat Zone	Sonepat Zone	30-10-2018
41	Mahendergarh Zone	Mahendergarh Zone	29-10-2018
40	Mahendergarh Zone	Govt. College, Kanwali	14-11-2017
39	Bhiwani Zone	Govt. College, Bhiwani	13-11-2017
38	Gurgaon Zone	UILMS Gurugram	12-11-2017
37	Sonepat Zone	Kanya Mahavidyalya, Kharkhoda	11-11-2017
36	Technical Zone	Vaish Engineering College, Rohtak	10-11-2017
35	Rohtak Zone	Women's Study Center, MDU Rohtak	19-09-2017
34	Mahendergarh Zone	DAV College of Engg & Tech., Kanina	27-10-2016
33	Bhiwani Zone	Maharana Pratap College for Women, Bhiwani	26-10-2016
32	Sonepat Zone	Govt College, Gohana (Sonepat Zone)	25-10-2016
31	Rohtak Zone	Gaur Brahaman College, Rohtak Zone	22-10-2016
30	Gurgaon Zone	Govt College, Hally Mandi (Gurgaon Zone)	21-10-2016
29	Inter Zonal	KIIT Gurgaon (IZYF)	7-9 Nov. 2015
28	Rohtak Zone	Govt College for Women, Rohtak	3-5 Nov. 2015
27	Bhiwani Zone	Vaish College, Bhiwani	2-4 Nov. 2015
26	Gurgaon Zone	Pt JLN Govt PG College, Faridabad	26-28 Oct. 2015
25	Mahendergarh Zone	RPS College, Balana (Mahendergarh)	24-26 Oct. 2015
24	Sonepat Zone	South Point College of Education,	19-21 Oct. 2015

		Sonepat	
23	Haryana Day Quiz	MDU Rohtak	1st Nov 2013
22	Mahendergarh Zone	PKSD College, Kanina	28-30 Oct 2013
21	Rohtak Zone	Satpriya College, Rohtak	25-27 Oct 2013
20	Gurgaon Zone	KIIT Gurgaon	24-26 Oct 2013
19	Bhiwani Zone	Govt College, Bhiwani	18-20 Oct 2013
18	Mahendergarh Zone	KLP College, Rewari	25-27 Oct 2012
17	Sonepat Zone	Govt College, Bahadurgarh	18-20 Oct 2012
16	Bhiwani Zone	Govt College, Bhiwani	15-17 Oct 2012
15	Gurgaon Zone	Govt College, Tigaon	12-14 Oct 2012
14	Technical Zone	KIIT Gurgaon	9-11 Oct 2012
13	Inter Zonal	MDU Rohtak	17 Nov. 2011
12	Rohtak Zone	Vaish College, Rohtak	13 Nov. 2011
11	Technical Zone	RPS College of Engineering, Balana (Mahendergarh)	11 Nov. 2011
10	Gurgaon Zone	Govt. College, Sector 14, Gurgaon	10 Nov. 2011
9	Bhiwani Zone	Sant Roshan Lal College of Education, Dhani Mahu	04 Nov. 2011
8	Sonepat Zone	GVM Girls College, Sonepat	23 Oct. 2011
7	Mahendergarh Zone	PKSD College, Kanina	20 Oct. 2011
6	Technical Zone	SDIMT, Faridabad	2 Nov. 2010
5	Bhiwani Zone	BLJS College, Tosham	30 Oct. 2010
4	Gurgaon Zone	Rao Mohar Singh College of Education, Gurgaon	29 Oct. 2010
3	Mahendergarh zone	Govt. College, Narnaul	26 Oct. 2010
2	Sonepat Zone	Govt. College, Gohana	23 Oct. 2010
1	Rohtak Zone	Govt. College for Women, Rohtak	22 Oct. 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
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.**

Quiz Master for conducting Science Quizzes at zonal and State level organized by **Haryana State Council for Science and Technology, Government of Haryana.**



SN	Name of Zone	Venue	Dates
14	Rohtak Zone	MDU Campus Rohtak	11-01-2019
13	State Level	Geeta Niketan Awasiya Vidyalaya, Kurukshetra	29-01-2013
12	Gurgaon	Gurgaon	07-11-2012
11	Ambala Division	Kurukshetra	26-10-2012
10	Hisar Division)	Bhiwani	19-10-2012

9	State Level	Karnal	10-04-2012
8	Rohtak zone	Rohtak	13-12-2011
7	Gurgaon Zone	Narnaul	03-11-2011
6	Hisar Zone	Hisar	19-10-2011
5	State Level	Panchkula	31-01-2011
4	Gurgaon Zone	Gurgaon	21-12-2010
3	Rohtak zone	Rohtak	16-12-2010
2	Ambala Zone	Yamuna Nagar	30-11-2010
1	Hisar Zone	Hisar	23-11-2010

Organization Capabilities

- 15) Coordinator, Science Academies' sponsored Refresher Course on '**Ethnobotany and Plant Taxonomy**' jointly organised by Department of Botany and Faculty Development Center, M. D. University, Rohtak on October 08-22, 2018.
- 14) Organizing Secretary, National Conference on "**Biodiversity: Status and Significance**" held at Department of Botany, M. D. University, Rohtak on March 21, 2017.
- 13) Co-convener, **Competitive Events Committee, 21st National Youth Festival**, held at Rohtak, January 11-16, 2017.
- 12) Quiz Master, National Constitution Day on 26th November 2015 at MDU Rohtak
- 11) Organizing Secretary, '**Extra-curricular activity**' organised by Department of Botany, MDU Rohtak on September 29, 2015.
- 10) Convener, World Biodiversity Day celebrations at Rohtak on May 22, 2015
- 9) Organizing Secretary, National Conference on "**Biodiversity: Challenges and Opportunities**" held at Department of Botany, M. D. University, Rohtak on February 18-19, 2011.
- 8) Joint Organizing Secretary, National Conference on "**Medical Biotechnology: Vision 2020**" held at Advanced Centre for Biotechnology, M. D. University, Rohtak on April 16-18, 2010.
- 7) Organizing Secretary, National Seminar on "**Biodiversity: Concerns and Solutions**" at M.D. University, Rohtak on November 20, 2009.
- 6) Convener, **AIDS Awareness Rally on World AIDS Day** on December 01, 2008 at Hisar (Haryana).
- 5) Convener, **AIDS Awareness Rally on World AIDS Day** on 2008 at Kurukshetra (Haryana).
- 4) Convener, **AIDS Awareness Rally on World AIDS Day** on December 01, 2007 at Chandigarh.
- 3) Convener, **Environment Awareness Programme** on 24 November 2007 at Mahendergarh
- 1) Convener, **Sanitation Awareness Rally** on Nov. 17, 2007 at Sohana (Mohali) Punjab.
- 1) Convener, **Cycle Rally to Celebrate World Earth Day** on 22nd April, 2007 from Panjab University Campus to Sukhna Lake, Chandigarh.

State Government Services

- Science Expert-cum-Quiz Master of Haryana State Council for Science and Technology, Government of Haryana (2006- 2019).
- Member, Science and Mathematics strengthening task force of Department of School Education, Government of Haryana (2010).

Departmental/University Services

- University Nominee, Balaji College of Education, Ballabgarh (Faridabad) w.e.f. 2015-2018
- University Nominee, R.D.S. Girls College, Rewari w.e.f. 2014-2017
- Co-ordinator, MDU Think Tank Debating Club (2013-till date)
- Member, Project Implementation Group for DST FIST programme
- Member, Academic Council of M. D. University (2011-13)
- Member, Post Graduate Board of Studies in Botany of M. D. University (2009-11)
- Member, Under Graduate Board of Studies in Botany of M. D. University (2008-10)
- Member, Faculty of Life Sciences of M.D. University (2013-14)
- Member, Departmental Research Committee in Botany of M. D. University (2011-13)
- Member, Horticultural and Tree Plantation Committee of M. D. University (2011)
- Quiz Maser of M. D. University, Rohtak for conducting quizzes at Zonal and Inter-zonal youth festivals (2010-till date).
- Programme Officer of Youth Red Cross of M. D. University, Rohtak (2009 – 2015)

Public/Professional Outreach Activities

- Convener, Society for Education and Environment Development (SEED), a registered non-government organization of Haryana (2006 – continuing).
- Coordinator of Hostel Committee Panjab University, Chandigarh during session 2003-04.
- President of Biological Society, Dayanand College, Hisar (Haryana) (1998-99).

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)

Invited / Extension Lecture Delivered

- 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) GGSDS 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.
- 2) Dayanand College, Hisar in 1998
Topic: Present Education System.

Participation in Seminars/Conferences/Workshops

- 52) National Webinar on '**Ecosystem Restoration for Environmental Sustainability**' organised by School of Environmental Sciences, Jawahar Lal University, New Delhi on 4th June, 2021
- 51) International Seminar on '**We are part of the solution**' organised by Department of Environmental Studies, PGDAV College, New Delhi on 22nd May, 2021
- 50) National Conference on '**Natural Products and Human Health: Opportunities and Challenges in Present Scenario**' organised by M.D. University, Rohtak on April 9-10, 2021
- 49) National Webinar on '**Harnessing the potential of indigenous ornamentals: Post Covid 19 Pandemic**' organised by ICAR-Directorate of Floricultural Research, Pune on June 18, 2020
- 48) National Webinar on '**Changing Methods of Working and Technology**' organised by Hansraj College, Delhi on May 27, 2020
- 47) National Seminar on '**Data Analysis and Interpretation in Scientific Research**' organised by Dept. of Genetics, MDU Rohtak on 09-11-2019
- 46) Workshop on '**Publishing in Academic Journals**' organized by Vivekananda Library, Dept. of Library and Information Science, MDU Rohtak on 16-09-2019
- 45) National Seminar on '**Recent Advances in Plant Sciences**' organised by Dept. of Botany, MDU Rohtak on 29-03-2019
- 44) National Level Technical Program Discussion Meeting of **All India Coordinated Project on Invasive Plants** at Panjab University, Chandigarh on March 26-27, 2019

- 43) State Level Workshop on '**Practical Side of Living & Human Values in Education**' organised by Haryana Higher Education Council on Feb.4-5, 2019 (Endst.No.ET-2/M-31/2019/768-73 dt. 01-02-2019)
- 42) International Conference on '**Microbes for Biotech Innovations**' organised by Dept. of Microbiology, MDU Rohtak on 07-12-2018
- 41) National Workshop on '**Bioethics in Research: A Need of Compulsion**' organised by Dept. of Genetics, MDU Rohtak on 15-11-2018
- 40) National Conference cum Awareness Programme on '**Protection of Intellectual Property Rights- Need of the Hour**' organised by Dept. of Pharmaceutical Sciences, MDU Rohtak on 15-05-2018
- 39) National Seminar on '**Health and Hygiene**' organised by Center for Medical Biotechnology and Women's Study Center, MDU Rohtak on 27-03-2018
- 38) National Conference on '**Hands on Training on Chromatographic Techniques**' organised by Dept. of Pharmaceutical Sciences, MDU Rohtak on 12-12-2017
- 37) Seminar on '**Relevance of Integral Humanism in Contemporary Times**' organised by MDU Rohtak on 20-09-2017
- 36) National Seminar on '**Advances in Virology**' organised by Center for Medical Biotechnology, MDU Rohtak on 28-09-2017
- 35) National Conference on "**IPR and Regulatory issues in Pharmaceutical Sciences**" organised by Department of Pharmaceutical Sciences, MDU Rohtak on March 30, 2017
- 34) National Seminar on "**Frontiers in Genetics and Genomics**" organised by Center for Medical Biotechnology, M.D. University, Rohtak on November 22, 2016
- 33) National Seminar cum Workshop on '**Animal Ethics and Experimentation**', organised by Central Animal House, Maharshi Dayanand University, Rohtak on Oct 22, 2016
- 32) National workshop on "**Scientific and Technical Terminology in Environmental Sciences**" organized by Govt. College, Banswara (Rajasthan) and sponsored by CSTT, Ministry of Human Resources, Govt. of India on Sept. 16-17, 2016
- 31) University Level Seminar on '**Folk/Regional Literature**' at DDE Hall, Maharshi Dayanand University, Rohtak on 8 February 2016
- 30) University Level Workshop on '**Cyber Security**' organised by Youth Red Cross, MDU Rohtak on 3-11-2015
- 29) National Seminar on "**Scientific and Technical Terminology in Forestry Science**" organised by Commission for Scientific and Technical Terminology at SPC Govt. College, Ajmer on Sept 09-10, 2015
- 28) National Seminar on "**Stem Cell and Human Medicine**" organized by Centre for Medical Biotechnology, Maharshi Dayanand University, Rohtak (Haryana) on March 01, 2014
- 27) University Workshop on "**Instrumental Methods in Pharmaceutical Research**" organized by Department of Pharmaceutical Sciences, Maharshi Dayanand University, Rohtak (Haryana) on Nov. 28, 2013.
- 26) International Symposium on "**Frontier Discoveries and Innovations in Microbiology and its Interdisciplinary Relevance (FDMIR-2013)**" organized by Department of Microbiology, M.D. University, Rohtak (Haryana) on November 17-20, 2013
- 25) National Seminar on "**Novel Antimicrobials: An Alternative to Clinical Antibiotics**" organized by Department of Genetics, Maharshi Dayanand University, Rohtak (Haryana) on September 14, 2013
- 24) University level "**Youth Red Cross Awareness Camp/Workshop**", organized by Youth Red Cross, Maharshi Dayanand University, Rohtak (Haryana) on September 12, 2013
- 23) International Meet on '**Risk Analysis of Forest Invasive Alien Species**' organised by Panjab University, Chandigarh 2013
- 22) National Seminar on "**Intellectual Property- Creation and Protection**" organized by Department of Microbiology, MDU Rohtak on April 23, 2011

- 21) 2nd National Seminar on “**Microbes in Human Welfare**” organized by Dept. of Microbiology and AMI India Rohtak Unit, MDU Rohtak on March 24, 2012
- 20) National Seminar on “**Challenges in Combating Diseases**” organized by Dept. of Zoology, Maharshi Dayanand University, Rohtak, on March 23, 2012.
- 19) National Seminar on “**Molecular Techniques-The Face of Modern Sciences**” organized by Department of Biochemistry, M.D. University, Rohtak, on October 24, 2011.
- 18) 1st National Seminar on “**Microbes Resource Management**” organized by Association of Microbiologists of India-Rohtak Unit, MDU Rohtak on October 22, 2011
- 17) Seminar on “**Intellectual Property- Creation and Protection**” organized by Department of Microbiology, MDU Rohtak on April 23, 2011
- 16) National Seminar on “**Computing Life: Raw to Refined**” held at Department of Zoology, Maharshi Dayanand University, Rohtak on March 27, 2010.
- 15) Workshop on “**Biotechnology and IPR Issues**” held at Centre for Plant Biotechnology, Hisar on March 18, 2010.
- 14) National Seminar on “**Environmental Education in Global Scenario**” held at Swami Ganeshanand Sanatan Dharma College of Education, Uchana Kalan (Jind) Haryana on March 13, 2010.
- 13) Zonal seminar on “**Abiotic Stress Tolerance in Plants- Physiological and Molecular Approaches**” organized by Centre for Plant Biotechnology, Hisar on December 05, 2009.
- 12) International Conference on “**Plant Invasion and Forest Ecology: Concerns and Solutions**” at Panjab University, Chandigarh on March 16-18, 2009.
- 11) International workshop “**Working effectively at the interface of Forest Science and Forest Policy**” at Panjab University, Chandigarh on March 14-15, 2009.
- 10) National Seminar on “**Climate Change: Science, Impact and Future**” held at Panjab University, Chandigarh on February 09, 2009.
- 9) National Seminar on “**Biological Sciences: Current Perspective**” held at Pt. NRS Govt. College, Rohtak (Haryana) on March 12-13, 2008.
- 8) Interactive Meet on “**Motivation of Youth in Science**” on the occasion of India-European Union Ministerial Science Conference on February 8, 2007, New Delhi.
- 7) Seminar on “**Medicinal Plant Conservation- Capacity Building for Teachers and Students**” organized by **WWF-India** at PSCST dated May 30, 2006, Chandigarh.
- 6) National Seminar on “**Biodiversity with Special Reference to Land Use Pattern**” organized by Centre for Environment and Vocational Studies, P.U. Chandigarh dated March 28, 2006.
- 5) National Seminar on “**Mass Awareness and Environment Education Programme on oil conservation- A Non-renewable energy resource**” at Govt. College for Girls, Sector 11, Chandigarh dated February 3, 2006.
- 4) **Indian Science Congress Association (91st Annual session)**. Panjab University, Chandigarh dated January 3-7, 2004.
- 3) National workshop on “**Emerging trends in Research and Business Management of Medicinal and Aromatic Plants**”, CCS Haryana Agriculture University, Hisar dated March 11-13, 2003.
- 2) National Seminar on “**India in the Antarctic-Challenges and Opportunities for 21st Century**”. Panjab University Chandigarh dated February 3-4, 2003.
- 1) National Seminar on “**Long Term Ecological Research (LTER) Network-India Meet**”. Panjab University, Chandigarh dated December 8-10, 2002.