

DR. ASHA SHARMA
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(HARYANA)
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A) Educational Qualifications: M.Sc., B.Ed, M.Ed., Ph.D.

**B) Designation: ASSOCIATE Professor, Department of Botany,
M.D. University, Rohtak**

Career Profile of last Fourteen years : 30 research papers

published in reputed journals,

10 Book chapters, 3 Books published

Life Membership of Many Societies ,

Won awards in Conferences and Seminars etc.

Co-curricular, Extension, & Professional Development Related activities from 2009 to 2013:

S. No.	Nature of Activity
	Extension, Co-curricular & related activities
1	Life membership of Association of Microbiologists of India
2	Participated in National Symposium on Fight against Malaria on March 9,2013 held by Centre of biotechnology & Centre of Medical biotechnology, M.D. University
3	Participated in university level Youth Red Cross Awareness Camp on 12.09.2013 in M.D.University
4	Acted as member in Decoration committee
5	Appointed as Programme officer of NSS Unit 11 Girls on 30.7.2012
6	Appointed as Member of Organizing Committee in 32nd M.D.University InterZonal Youth Festival held from 30th October to 1st Nov., 2012.
	Contribution to Corporate Life and Management of the Department and Institution through participation in academic and administrative committees and responsibilities
1	Member of PG Board of Studies w.e.f. 1-08-2011, 2011 for period of two years
2	Participation in time table formation 2012-2013
3	Departmental coordinator in giving guidance and counseling to the students in 2012-2013
4	Member of Admission Committee to pre Ph.D. course and award of U.R.S. in 2012-13
5	Member of anti- ragging Squads 2012-13
	Professional Development Related Activities
1	Life member of the Society for Science of Climate Change and sustainable environment (SSCE).
2	Participated in Panel Discussion on the Work without harassment-Right of Women organized by SCSHVW ,M.D.University, Rohtak on 20th March,2012
3	One month Orientation Course in May-June 2009 at Kurukshetra University, Kurukshetra.
4	Attended and presented Poster in the Zonal Seminar on “Abiotic Stress Tolerance in Plants- Physiological and Molecular Approaches” organized by Centre for Plant Biotechnology, Hisar on 5th Dec., 2009.
5	Attended “17th Annual Conference of the Indian Association of Clinical Medicine” organized by Department of Medicine, M.L.B. Medical College, Jhansi (U.P.) on 28th – 30th November, 2009

6	Attended Symposium on “Emerging Trends in Biotechnology” as delegate organized by Department of Biotechnology, University Institute of Engineering & Technology, M.D. University, Rohtak on 24th Nov., 2009
7	Attended National Seminar on “Biodiversity: Concerns & Solutions” organized by Department of Botany, M.D. University, Rohtak on 20th Nov., 2009.
8	Attended trends in translational medicine organized by Deptt of Biotechnology and Molecular medicine of Pt. B D S PGIMS, Rohtak on January 9, 2009.
9	Attended the Workshop on Biosensor development at M.D. University in 2007
10	Participatrd in Two day Workshop on “Application of SPSS Software in Research “organized by Institute of Hotel &Tourism Management ,M.D.University,Rohtak on April (19-20),2011.
11	Asha Sharma ;Comparative study of Ni tolerance in four cultivars of Brassica Juncea (L.czern.).. Abstract book Zonal Seminar on Abiotic Stress tolerance in Plants: Physiological and molecular approaches. (5 Dec.2009).
12	AshaSharma;;R.P.singh;;Manoj Kumar;AnitaSehrawat; Detection of heavy metals in industrial effluents ,sewage wastewater,soil & plants growing near the industrial area.Abstract in National Symposium on Impact of Trends in Climate Change On BioDiversity and Faunistic Systems(Feb. 19- 20,2010).
13	Anita Sehrawat,Asha Sharma;Evaluation of alkaloids in multiple shoot cultures of <i>Catharanthus roseus</i> G.Don. Abstract in National Conference on Environmental and Health Issues:In a Changing Climatic Scenario (Oct.14-15,2010).
14	Asha sharma;R.P.Singh;Brassica juncea as a model system for understanding the tolerance to cadmium toxicity. Abstract in ECSD-2010 National Seminar on Environmental Challenges:Sustainable Development (March 29-30,2010).
15	One day workshop on Personality development and communication Skills organized by Dept. of Botany on 22.11.2013
16	Attended on day Seminar on Novel Antimicrobials: an alternative to clinical antibiotics held by M.D.University on 14 Sept.,2013
17	Attended National Seminar on Eco- friendly environment on March 12,2013 in G.V.M.Girls College ,Sonapat
18	Participated in workshop on Biological database and sequence analysis in dept. of Botany, M.D.University on 29-03-2013

19	Attended 1 day international research colloquium in department of microbiology M.D. University, Rohtak on 20 Nov, 2012
20	Member of P.G. Board of Studies
21	Member of Departmental research committee
22	Life Membership of Alumni Association

Research papers published in Journals or Conference proceedings

S. No	Title with name of authors as appearing in the publication	Journal, Vol, Year, page nos
1	Asha Sharma, Manish Sainger, Sanjay Dwivedi, Sudhakar Srivastava, R.D. tripathi and R. P. Singh; Genotypic variation in Brassica Juncea (L.cjern.) cultivars in growth, nitrate assimilation, antioxidative response and phytoremediation potential during Cd stress.. J. Environ. Biol. 31,773-780(2010).	J. Environ. Biol. 31,773-780(2010).
2	S.K.Atri , Sharma Asha, Kaushik H.; Chronic Lead Poisoning Masquerading Recurrent Pancreatitis, The Indian Practitioner; Vol.63 No.8,521-524.	The Indian Practitioner; Vol.63 No.8,521-524.
3	Sharma Asha, Sindhu Pawan, Devi Annu (2013). Determination of total phenolic content and total protein in guava (<i>Psidium guajava</i>) and lemon (<i>Citrus limon</i>), <i>International journal of biological and pharmaceutical research</i> , 4(11), (827-834).	<i>International journal of biological and pharmaceutical research</i> , 4(11), (827-834).
4	Sharma Asha, Dhiman Anju, Sindhu Pawan (2013). Study of phenol and protein in wheat (<i>Triticum aestivum</i>) and apple (<i>Malus domestica</i>). <i>International journal of biological and pharmaceutical research</i> , 4(12), (1081-1087).	<i>International journal of biological and pharmaceutical research</i> , 4(12), (1081-1087).

Chapter in Book published

S. No.	Whether text or reference book, published by International publisher/Subject books by National level publisher or State and Central Govt publication with ISSN/ISBN/ subject books by other local publishers with ISSN/ISBN	Title with name of authors as appearing in the publications
1	INTERNATIONAL	Rana P Singh, Geeta Dhanania , Asha Sharma, P. K. Jaiwal; Biotechnological approach to remove Phytoremediation efficiency for environmental contamination. Etd. Vol. of Bioremediation- a Noval technology by Springer (2006).

Research projects

S. No.	Title & type of projects (sponsored/consultancies) (Major/Minor)
1	Minor Research Project titled--- Detection of Lead in Water , Soil and plant parts in different months of M.D.University Campus from different sites for the session 2010-2011. One year Dr. Radha Krishan Foundation Fund.
2	Consultancy Projects carried out(amount mobilized betweenRs.10,000/-)

Projects outcome/outputs:

S. No.	Title & type of projects (Major/Minor)	Funding agency	Period	Grant/ Amount Mobilized (Rs in Lakh)	Whether patent/technology/transfer/ product/process/major
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					policy of Govt (Bodies at Central and State level)
	Accumulation, partitioning and metabolic alterations in wheat (<i>Triticum aestivum</i> L.) grown under arsenic contaminated conditions	Received Project	U.G.C.	1-7-2012 to 31-12-2016	14,23,300

Refresher Course, methodology workshops, Training, Teaching-Learning-Evaluation Technology Programmes, Soft skills development Programmes, faculty Development Programmes

S.No.	Programme	Duration	Organised by
1	Training orientation Course for NSS programme officers	21.08.2012 to 27.08.2012	IDC ,Ministry of youth affairs & sports, Govt. of India, M.D. University, Rtk-124001

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

S. No.	Title of the Paper presented
1	Asha Sharma; R.P. Singh; Presented paper on Screening of <i>Brassica juncea</i> genotypes to heavy metal stress. Proceedings having ISBN as (ISBN-978-81-920945-0-2) National Seminar on Internet: Applications in Research (26 March, 2011) organized by Dept. of Zoology, M.D. University, Rohtak.
2	Asha Sharma, D.K. Kishore, K.K. Pramanick, Jitender kumar ; BIODIVERSITY OF WILD TEMPERATE FRUITS IN THE HIMALAYAS Proceedings National conference on Biodiversity: Challenges and Opportunities by Dept. of Botany, M.D. University, Rohtak.

3	Asha Sharma, Gender inequality in National Seminar on Eliminating Daughters: Paradox of Development in India (Dec. 15-16, 2010).
4	Asha Sharma, Jyotika Dhanker, R.P. Singh; Effect on Physiological and Biochemical Parameters by heavy metal stress. Abstract in National Seminar on Computing Life: Raw to Refined (March 27, 2010).
5	Asha Sharma: Effects on Environment by heavy metals of Industrial Effluents in Seminar on Environmental Pollution and Law (Feb. 26-27, 2011).
6	Detection of total and DTPA extractable nickel and cadmium in soil and plants irrigated with industrial effluent and sewage waste water
7	Vulnerability to climate change over horticultural fruit crops distribution in plane and hilly slope of Himachal Pradesh.
8	Human Rights: Uses and misuses
9	Quality management in Bio-technology
10	Accumulation and distribution of arsenic by wheat plants

Invited for conferences/seminars/workshops/symposia to deliver lectures/Chair sessions (Nil)

S. No	Whether lecture delivered/academic session chaired
1	Delivered three Extension Lectures on “Plant breeding” in the Pt. Neki Ram Sharma Govt. College, Rohtak. Departmental Co-ordinator of Carrer Guidance and Placement Cell.

Co-curricular, Extension, & Professional Development Related activities from 2013-2014

S. No.	Nature of Activity
	Extension, Co-curricular & related activities
1	Life membership of Association of Microbiologists of India

2	Member in the admission committee for Pre Ph.D course work 2013-14 , M.D.University
3	Participated in university level Youth Red Cross Awareness Camp on 12.09.2013 in M.D.University
4	Acted as a Judge in district level science exhibition on 5 th Feb,2014
5	Appointed as Programme officer of NSS Unit 11 Girls on 30.7.2012 and completed one year on 30.7.2013
6	Appointed as a hostel warden in Narmada Hostel in Place of Dr. Maya Malik on 24.3.2014
	Contribution to Corporate Life and Management of the Department and Institution through participation in academic and administrative committees and responsibilities
1	Member of PG Board of Studies for period of two years
2	Member in the purchase committee in the department
3	Departmental coordinator in carrier counseling and placement cell to the students in 2013-2014
4	Elected as a member of executive committee and selected as vice president in Maharshi Dayanand University Teachers Association, Rohtak
5	Member in departmental research committee 2013-14
6	Acted as member of decoration committee during organization of science conclave on Feb 22-23,2014
	Professional Development Related Activities
1	Life member of the Society for Science of Climate Change and sustainable environment (SSCE).
2	Appointed as cultural counselor of UTD team for the session 2014-15
3	One day workshop on Personality development and communication Skills organized by Dept. of Botany on 22.11.2013
4	Attended on day Seminar on Novel Antimicrobials: an alternative to clinical antibiotics held by M.D.University on 14 Sept.,2013
5	As a member of faculty of life sciences for a period of one year on 29.5.2014
6	Member of P.G. Board of Studies
7	Member of Departmental research committee
8	Life Membership of Alumni Association

Research papers published in Journals or Conference proceedings

S. No	Title with name of authors as appearing in the publication	Journal, Vol, Year, page nos
1	Asha Sharma, Anju Dhiman, Pawan Sindhu, Jaya Yadav, Pooja Tomar, Annu Devi (2014). Study of total phenolic content and total protein in fruit peels Pomegranete (<i>Punica granatum</i>) and orange (<i>Citrus sinensis</i>).	<i>International journal of recent scientific research</i> 5(10), (1740-1744)
2	Govinda, Asha Sharma, Sandeep Singh (2014). NaCl and Cd stress effect on shoot growth of potato cultivar.	<i>International Journal of Research (IJR)</i> , 1 (11).
3	Manoj Kumar, Gitika, Asha Sharma (2014). In vitro antibacterial activity of flower extracts of <i>Quisqualis indica</i> Linn. against gram-positive and gram-negative bacteria. <i>International. Citation index 1</i>	<i>journal of advances in pharmacy, biology and chemistry</i> ,3(3), (781-785)
4	Govinda, Asha Sharma, Sandeep Singh (2014). A brief review of varieties of <i>Solanum tuberosum</i> .	<i>International Journal of Innovative Pharmaceutical Sciences and Research</i> 2(10), (2590-2595)
5	N.S Chauhan, Pooja Tomar, Asha Sharma, Pawan Sindhu, Annu Devi (2014). Screening of Amylase producing microorganism from soil sample.	<i>International journal of biological and Pharmaceutical research</i> 5(9), (736-744)
6	Sharma A., Singh A.S., Rohilla J. and Govinda (2014). Physiological and molecular response of plants to calcium in presence of salt stress.	<i>J. Env. Sci. Eng. Tech.</i> 3 (4), (1779-1795)
7	Manish Sainger, Asha Sharma, Kuldeep Baudhh, Poonam Ahlawat, RP Singh (2014). Remediation of nickel; contaminated soil by <i>Brassica juneca</i> L. cv. T-59 and Effect of metal on some metabolic aspects of the plant., Citation index 5	<i>Bioremediation Journal</i> 18, (100-110)

8	Asha Sharma, Anju Dhiman, Pawan Sindhu (2014). Determination of total phenolic content and total proteins in <i>Phyllanthus Emblica</i> and <i>Beta Vulgaris</i> .	<i>Journal of international acedmeic research for multidisciplinary</i> 2(2), (310-318)
9	Pawan Sindhu, Asha Sharma, Annu Devi, Pooja Tomar and Deekshant (2015). Toxicity of arsenic on germination rate and other parameters of wheat (<i>Triticum aestivum</i>).	<i>Indian research journal of genetics and biotechnology</i> 1(7),

Research publications (Chapter in books/monograph other than referred journal articles)

S. No	Chapter in a book/monograph	Title with name of authors as appearing in the publications
1	Book	Jitender k. Verma, D kishore, S Sharma, Asha Sharma (2014) (ed.) Evaluation of biotic and abiotic factors for production of healthy apple (<i>Malus X domestica</i>) seedling .Microbial Diversity and biotechnology in food security, <i>Springer</i> . (1-15).

Refresher Course, methodology workshops, Training, Teaching-Learning-Evaluation Technology Programmes, Soft skills development Programmes, faculty Development Programmes

S.No.	Progamme	Duration	Organised by
1	Training orientation Course for NSS programme officers	24.07.2013 to 30.07.2013	IDC ,Ministry of youth affairs & sports,Govt. of India,M.D.University,Rtk-124001

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

S. No .	Title of the Paper presented	Presented by	Title of the Conference / Seminar etc and organizer	Dates of the event	Whether international / national / state / regional / university or college level
1					

	HIV Vaccines Treatment and Medication	Dr. Asha Sharma	54th annual conference of association of microbiologists of India (AMI)	17.20.2013	International Symposium
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Co-curricular, Extension, & Professional Development Related activities from 2014-2015

S. No.	Nature of Activity
	Extension, Co-curricular & related activities
1	Life membership of Association of Microbiologists of India
2	Broadcasting of talk on carrier counseling- opportunities in botany on 11.3.2015
3	As a member of selection committee for appointment of project fellow
4	Acted as judge in poster making contest on the celebration of international world water day on 20.3.2015
5	Member in UG board of studies in Botany For a period of two years with w.e.f. 31.1.2015
6	Activity incharge of pot painting and decoration in department of Botany M.D. University, Rohtak
	Contribution to Corporate Life and Management of the Department and Institution through participation in academic and administrative committees and responsibilities
1	Member in the purchase committee in the department 2014-15
2	Departmental coordinator in carrier counseling and placement cell to the students in 2014-2015
3	Elected as a member of executive committee and selected as vice president in Maharshi Dayanand University Teachers Association, Rohtak on 22.7.2015
4	Member in departmental research committee 2014-15
5	Tour incharge for M.Sc. students at Mughal garden, New Delhi on 13.3.2015
6	As member of admission committee for admission in M.Sc. course under Faculty of life sciences on 9.7.2014.
	Professional Development Related Activities
1	Life member of the Society for Science of Climate Change and sustainable environment (SSCE).
2	Appointed as cultural counselor of UTD team for the session 2015-16

3	As a member of faculty of life sciences for a period of one year on 29.5.2014-15
4	Attended seminar on Beti Bachao-Beti Padhao organized by government of Haryana on 20-21 Jan 2015
5	A member of admission committee constituted by Vice Chancellor for admission to Ph.D programme and award of URS on 15.12.2014
6	As a delegate in IACMCON-2014 10-12 Oct, 2014 Hotel Clarks Shiraz, Agra
7	Resource person in 18 th annual convention of society of pharmacognosy on Feb 21-22, 2014 in M.D. University, Rohtak
8	Attended seminar on official statistics and carrier prospects held in department of statistics M.D. University, Rohtak on Feb 18, 2014
9	Attended workshop on workplace sexual harassment of women held at women study centre M.D. University, Rohtak on 24 Jan, 2014
10	Attended M.D. University Youth red cross committee held on 20.2.2014
11	Participated in science conclave 2014 held at M.D. University, Rohtak on 22-23 Feb, 2014 organizer of decoration committee
12	Participated in national seminar on convergence of biotechnology and engineering for industry on 26 Nov, 2014 at UIET M.D. University, Rohtak
13	Attended one day conference on molecular pathology of human genetic diseases on 23 Aug, 2014 in department of genetics M.D. University, Rohtak
14	Life Membership of Alumni Association

Research papers published in Journals or Conference proceedings

S. No	Title with name of authors as appearing in the publication	Journal, Vol, Year, page nos
1	Govinda, Singh S, Sharma Asha (2015). Cholesterol Biosensor – A Review.	<i>Int. J. Biotech Biosci.</i> 3 (1), (1-12)
2	Govinda, Asha Sharma, Sandeep Singh (2015). Analysis of soil parameters after the full growth of the kufari bahar cultivar of <i>Solanum tuberosum</i> .	<i>International Journal Of Research (Ijr)</i> 2(7)
3	Pawan Sindhu, Asha Sharma, Deekshant Rai, Priya (2015). Toxicity of arsenic On Growth Parameters of Wheat (<i>Triticum aestivum</i> L.).	<i>Journal Of International Academic Research For Multidisciplinary</i> 3(6), (27-31)
4	Pawan Sindhu, Asha Saharma, Pooja and Priya (2015). Total chlorophyll and total protein content in wheat (<i>Triticum aestivum</i>) grown under arsenic stress.	<i>International Journal of Recent Scientific Research</i> 6(7), (5072-5075)

Research publications (Chapter in books/monograph other than referred journal articles)

S. No	Chapter in a book/monograph	Title with name of authors as appearing in the publications	Book title, editor, publisher year, page nos
1	Book	Ahmad S, Nanda A, Dhiman A, Sharma A (2015). Bioflavonoids and their future prospects. In flavonoids and antioxidants, Vol. 40.	<i>Stadium press LLC</i> , USA.

Refresher Course, methodology workshops, Training, Teaching-Learning-Evaluation Technology Programmes, Soft skills development Programmes, faculty Development Programmes

S.No.	Programme	Duration	Organised by
1	Summer school for capacity building and training programme for geospatial technology	21 days	Department of geography M.D. University, Rohtak

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

S. No	Title of the Paper presented	Presented by	Title of the Conference / Seminar etc and organizer	Dates of the event	Whether international / national / state / regional / university or college level
1	The effect of NaCl treatment on growth and different physiological parameters of <i>Brassica juncea</i>	Dr. Asha Sharma	National seminar on Entrepreneurship development in food processing sector By M.D.University, Rohtak	25 th March 2015	National seminar

2	Rate of germination and physiological parameters of wheat in presence of metal stress	Dr. Asha Sharma	International conference on emerging trends in biotechnology and sciences with special reference to climate change by ISGBRD at Banasthali Vidyapith	Feb 18-20,2015	International conference
3	Attended national conference on new avenues in microbiology: challenges and prospects	Dr. Asha Sharma	National conference	March 11,2015	National conference
4	Germination of Wheat under different stresses of Arsenic	Dr. Asha Sharma	National conference on therapeutic potential of natural products : current innovations & future trends by department of genetics M.D.University, Rohtak	19 th March,2015	National conference
5	Calcium effect on physiological parameters of <i>Solanum lycopersicum</i> under salinity conditions	Dr. Asha Sharma	2 nd annual national conference of APTI Haryana branch by department of pharmaceutical sciences, M.D.University, Rohtak	25 th October,2015	National conference
6	Female foeticide is also violation of human rights	Dr. Asha Sharma	Gender inequality and violence against women in north-west India by women studies centre M.D. University Rohtak	7-8 Feb, 2014	National seminar
7	Pollution a big problem for all	Dr. Asha Sharma	National conference on pollution mitigation for a sustainable future by Department of environmental sciences M.D. University, Rohtak	26 March, 2014	National conference

Co-curricular, Extension, & Professional Development Related activities from 2015-2016

S. No.	Nature of Activity
	Extension, Co-curricular & related activities
1	Life membership of Association of Microbiologists of India
2	Broadcasting of talk on climate change – a challenge 22.1.2016
3	As a member of selection committee for appointment of project fellow
4	Member of inter college extracurricular activities on Sept. 29,2015
5	Certificate of appreciation for cultural activities in zonal and inter zonal youth festival for 2015-16
	Contribution to Corporate Life and Management of the Department and Institution through participation in academic and administrative committees and responsibilities
1	Member in the purchase committee in the department 2015-16
2	Departmental co-ordinator in carrier counseling and placement cell to the students in 2015-2016
3	Member of inspection committee regarding introduction of various courses at Sh. L.N. Hindu college, Rohtak 2015-16
4	As member of admission committee for admission in M.Sc course under Faculty of life sciences on 9.7.2014
	Professional Development Related Activities
1	Life member of the Society for Science of Climate Change and sustainable environment (SSCE).
2	Appointed as cultural co-ordinator of UTD team for the session 2015-16
3	Member of P.G. board of studies in botany for a period of two years w.e.f 1.8.2015
4	Life Membership of Alumni Association

Research papers published in Journals or Conference proceedings

S. No	Title with name of authors as appearing in the publication	Journal, Vol, Year, page nos
1	Asha Sharma, Pooja, Annu Devi and Pawan Sindhu (2016). Effect of salt stress (Nacl) on different growth parameters, photosynthetic pigments and lipid peroxidation in the leaves of local cultivar of tomato (<i>Solanum lycopersicum</i>).	<i>International Journal Of Recent Scientific Research</i> , 7(11), (14413-14419)

Books published

S. No.	Whether text or reference book, published by International publisher/Subject books by National level publisher or State and Central Govt publication with ISSN/ISBN/ subject books by other local publishers with ISSN/ISBN	Title with name of authors as appearing in the publications	Book title, editor, publisher year, page nos
1	National level publisher	Dr.Govinda, Dr. Asha Sharma (2016) Experimental Biochemistry of Enzymology of Perturbation of Xenobiotic Compounds by Lignin Squalor Fungi ed. 1 ISARA Publications New Delhi	Experimental Biochemistry of Enzymology of Perturbation of Xenobiotic Compounds by Lignin Squalor Fungi ed. 1 <i>ISARA Publications New Delhi</i>
2	National level publisher	Dr.Govinda , Dr Sandeep Singh, and Dr. Asha Sharma (2016) Biochemical and metabolic study of <i>Solanum tuberosum</i> in response to Cd and salt stresses ed. 1 . <i>Neelkanth Prakashan New Delhi</i>	Biochemical and metabolic study of <i>Solanum tuberosum</i> in response to Cd and salt stresses ed. 1 . <i>Neelkanth Prakashan New Delhi</i>

Research Guidance

Class	Number of students
Ph.D. (MDU)	2 students (Degree Awarded)

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

S. No .	Title of the Paper presented	Presented by	Title of the Conference / Seminar etc and organizer	Dates of the event	Whether international / national / state / regional / university or college level
1	Solar instruments concerned with the energy production technologies in rural areas	Dr. Asha Sharma	Rural transformation in India : Challenges, opportunities and strategies by M.D. University, Rohtak	October 17, 2015	National conference
2	Germination rate and physiological parameters of wheat due to toxicity of Arsenic	Dr. Asha Sharma	Today's vision : save ozone, save earth by Dept. of Environmental science M.D. University, Rohtak	September 16, 2015	National seminar
3	Medicinal plants	Dr. Asha Sharma	2nd Annual national conference of APTI Haryana branch by M.D. University, Rohtak	25 October, 2015	National conference

Co-curricular, Extension, & Professional Development Related activities from 2016-2017

S. No.	Nature of Activity
	Extension, Co-curricular & related activities
1	Life membership of Association of Microbiologists of India
2	Appointed as a co-ordinator of alumni cell of the university from the botany department on 29.06.2016
3	As a member of selection committee for appointment of project fellow
4	Acted as a teacher incharge for the health camp organized by youth red cross society M.D. University Rohtak
5	Act as a member in cultural activities of inter zonal youth festival 2016-17
6	Participated in organizing event in 21 st national youth festival on 12-16 Jan, 2017
	Contribution to Corporate Life and Management of the Department and Institution through participation in academic and administrative committees and responsibilities
1	Member in the purchase committee in the department 2016-17
2	Departmental co-ordinator in carrier counseling and placement cell to the students in 2016-2017
3	As member of admission committee for admission in Ph.D. programme and award of URS in department of Botany 27.1.2017
4	Appointment as liaison officer, National youth festival, 2017
5	Certificate of appreciation on 7 th May 2017 from alumni meet 2017 held by M.D. University, Rohtak
	Professional Development Related Activities
1	Life member of the Society for Science of Climate Change and sustainable environment (SSCE).
2	Appointed as cultural co-ordinator of UTD team for the session 2016-17
3	Member of P.G. board of studies in botany for a period of two years w.e.f 1.8.2017
4	Acted as delegate in Indian council of medical research 2 day national workshop on 8-9 Jan, 2016
5	Nominated as a member of academic council of university for a period of two years w.e.f. 7.10.2016
6	As a member of departmental research committee on 24.8.2016
7	Life membership of society of Pharmaceutical education and research
8	Attended national seminar on climate change and food security on 16 Jan, 2016 in Choudhary Bansi Lal university, Bhiwani

9	Attended Scopus and mendeley workshop in M.D. University Rohtak on 15 Feb, 2016
10	Attended national research colloquim on microbes in food energy and environment on 2 nd April, 2016 in M.D. University Rohtak
11	Attended national conference organized by ICDM college of pharmacy, Sirsa & APTI – Haryana state branch on 11-12 Nov, 2016
12	Attended one day author workshop conducted by Vivekananda library on 18 Nov, 2016 in M.D. University Rohtak
13	Attended workshop on coping health issues organized by women study centre on 23 Feb 2017 in M.D. University, Rohtak
14	Attended national seminar organized by department of pharmaceutical sciences BMN University Rohtak on 1 st March, 2017
15	Attended national conference on emerging trends in cloud computing and big data analytics on 6 March, 2017 in department of computer science M.D. University, Rohtak
16	Attended workshop on sexual harassment of women at work place by women study centre on 28 March, 2017 in M.D. University, Rohtak
17	Attended national conference on IPR and regulatory issues on 30 th March, 2017 in department of pharmaceutical sciences M.D. University, Rohtak
18	Attended one day training on human rights in department of law M.D. University, Rohtak on 31 March 2017
19	Attended one day national seminar on current scenario in forensic investigative techniques on 7 Sept, 2017
20	Life Membership of Alumni Association

Research papers published in Journals or Conference proceedings

S. No	Title with name of authors as appearing in the publication	Journal, Vol, Year, page nos
1	Govinda, Asha Sharma, Anju Dhiman , Sandeep Singh , Nidhi (2017), kinetin functions in nitrate assimilation in leaves of arsenic stressed <i>Vigna radiata</i> .	<i>Journal of Pharmaceutical and Scientific Innovation</i> , 6(1), (8-13).
2	Govinda, Asha Sharma, Sandeep Singh, Jyoti (2017). Modulation of antioxidant enzymes system by kinetin in salt stressed shoots of <i>Zea mays</i> .	<i>International Research Journal of Pharmacy</i> , 8 (2), (16-24).

Research publications (Chapter in books/monograph other than referred journal articles)

S. No	Chapter in a book/monograph	Title with name of authors as appearing in the publications	Book title, editor, publisher year, page nos
1	Book chapter	Anju Dhiman, Aakriti Saini, Asha Sharma (2017). An update on diversified applications of cow urine. (Ed)	Herbal Medicine, (328-336) <i>New Delhi Studium Press India Private Limited</i>

Completed Projects Quality Evaluations

S. No.	Title & type of projects (Major/Minor)	Funding agency	Period	Grant/ Amount Mobilized (Rs in Lakh)	Whether accepted from funding agency
1	Accumulation,partitioning and metabolic alterations in wheat(<i>Triticum aestivum</i> L.)grown under arsenic contaminated conditions	UGC New Delhi	1.7.2012 to 31 Dec, 2016	14,23,300	UGC New Delhi

Research Guidance

Class	Number of students
Ph.D. (MDU)	1 student (Degree Awarded)

Refresher Course, methodology workshops, Training, Teaching-Learning-Evaluation Technology Programmes, Soft skills development Programmes, faculty Development Programmes

S.No.	Programme	Duration	Organised by
1	UGC sponsored refresher course	4.11.2017 to 24.11.2017	Human resource development centre Kumaun University, Nainital (Uttarakhand)

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

S. No.	Title of the Paper presented	Presented by	Title of the Conference / Seminar etc and organizer	Dates of the event	Whether international / national / state / regional / university or college level
1	The effects of salinity on Tomato cultivars	Dr. Asha Sharma	National conference on Genetic diversity and therapeutic potential of natural products by department of genetics M.D. University, Rohtak	17 September, 2016	National conference
2	Dangerous to climate change	Dr. Asha Sharma	National seminar on Climate change and agriculture : Impact and adaptation strategies in Haryana by department of Economics M.D. University, Rohtak	Feb 6-7, 2017	National seminar
3	Salt stress induced changes in proline and total soluble carbohydrate activities in <i>Brassica juncea</i>	Dr. Asha Sharma	International conference on emerging areas of environment and engineering by department of Environmental science and Engineering G.J. university of science and technology, Hisar	Feb 16-18, 2017	International conference
4	Conservation strategies for biodiversity	Dr. Asha Sharma	National seminar on Biodiversity : status and	March 21, 2017	National seminar

			significance by Department of Botany M.D. University, Rohtak		
5	Study of toxicity of cadmium and zinc metals on two wheat varieties	Dr. Asha Sharma	National symposium on Environmental toxicology held at Dept. of Zoology C.C.S. University , Meerut	25-26 March, 2016	National symposium
6	Agroforestry uses in sustainable development	Dr. Asha Sharma	International conference on Role of digitalization in sustainable development : a global perspective by the department of education M.D. University, Rohtak	September 16-17, 2017	International conference
7	Transgenic crops	Dr. Asha Sharma	National symposium on Transgenic crops in India : Progress and challenges by Department of molecular biology, biotechnology and bioinformatics, H.A. University, Hisar	16-17 March, 2016	National symposium

Invited for conferences/seminars/workshops/symposia to deliver lectures/Chair sessions

S. No	Whether lecture delivered/academic session chaired	Title of Conference / Seminar etc	Dates of the event	Organizer	Whether international / national/state/regional/ university or college level
1	Acted as resource person	Inter Disciplinary trends in pharmaceutical research	13-14 April , 2017	3 rd annual convention of APTI Punjab, Rayat Bahra University	National conference
2	Chaired	Role of digitalization in sustainable development : a global perspective	16-17 Sept, 2017	2 days interdisciplinary International conference	International

Jan.2018-Jan.2019

CO-CURRICULAR, EXTENSION & PROFESSIONAL DEVELOPMENT RELATED ACTIVITIES

S. No.	Nature of Activity
1	Extension, Co-curricular & related activities
	Performed 17 th Convocation duty on 13 th Feb., 2018 at Tagore Auditorium, MDU, Rohtak
	Act as a Judge for Slogan Writing competition on International Ozone day organized by Dept of Environmental Sciences, MDU, Rohtak on 15 September 2018
	Acted as a Judge in Declamation Contest on the occasion of Wild Life Week Celebration on 5 th October organized by Dept of Zoology, MDU, Rohtak
	Teacher mentor of M.Sc 1 st and 3 rd Sem
2.	Contribution to Corporate Life and Management of the Department and Institution through participation in academic and administrative committees and responsibilities
	Participation in giving guidance and counseling to the students (Co-ordinator of career counselling and placement cell)

	Member of Departmental Committee
	Life member of Dept of Alumni Relation and MDU Alumni Association, Rohtak
	Member of anti-ragging committee
	Member of admission committee for M. Sc. Botany
	Member of admission committee for award of URS, Dept of Botany, MDU, Rohtak
	Member of Ph.D admission committee, Dept of Botany, M.D.U Rohtak
3.	Professional Development Related Activities
	Participated in national seminar on “ Climate change and food security” organized by centre for biotechnology, MDU, Rohtak held on January 25, 2018
	Participated as Guest of Honor in 2 nd national conference on Clinical research “ Drug discovery and development” organized by Guru Gobind Singh College of Pharmacy, Yamuna Nagar held on 24 th February, 2018
	Member of Organizing and Reception Committee to make arrangements for the university Alumni Meet- 2018 and the General Body Meet of the MDU Alumni Association Rohtak held on April 15, 2018 at the Tagore Auditorium
	Participated as Senior Teacher of Dept of Botany in CPC for the purchase of Hot Air Oven held on 20 th March, 2018 in the office of Dept of Botany to open the quotations
	Acted as a member in Co-ordination Committee constituted by The Director, CCPC on 2 nd April, 2018 in the office of DSW, MDU, Rohtak
	Participated in Innovative and Effective Teaching and Research Skills in Pharmacy organized by Swami Devi Dyal Institute of Pharmacy, Faculty Development Programme, Sponsered by APTI held on April, 20-22, 2018 (Three days)
	Participated as Delegate in National conference cum awareness programme “Protection of IPR - Need of the Hour” UGC sponsored organized by Dept of Pharmaceutical Sciences, MDU, Rohtak held on 10 th May, 2018
	Participated in National Workshop on “ Bioethics in Research: A Need or Compulsion” organized by Dept of Genetics, MDU, Rohtak held on 15 th November, 2018
	Life member of Society for Science of Climate Change and Enviromental Sustainability
	Life member of The Indian Science Congress Association
	Life member of Association of Microbiologists of India
	Coordinator of Career Counseling and Placement Cell

Jan. 2019- Jan. 2020

CO-CURRICULAR, EXTENSION & PROFESSIONAL DEVELOPMENT RELATED ACTIVITIES

S. No.	Nature of Activity
1	Extension, Co-curricular & related activities
	Acted as a Judge in Poster Session in International Seminar on Sustainable Enviroment and Agriculture under Global Climate Change-2019 held on 21 st Feb., 2019 organized by Dept of Enviroment Science

	Acted as a Judge in Slogan Contest to celebrate International Day for the preservation of Ozone Layer held on 16 September, 2019 organized by Dept of Environment Science
	Acted as a Judge in Poster Contest to celebrate World Animal Day held on 4 th October, 2019 organized by Dept of Zoology
	Teacher mentor of M.Sc 1 st and 3 rd Sem.
	Member of the team to visit Herbal Garden/ different labs of the Dept. For M. Sc. 1 st semester students
2.	Contribution to Corporate Life and Management of the Department and Institution through participation in academic and administrative committees and responsibilities
	Member of Departmental Committee
	Member of Anti-Ragging Squads
	Life member of Dept of Alumni Relation and MDU Alumni Association, Rohtak
	Member of Admission committee to M.Sc.
	Member of admission committee for the admission to the Ph.D. programme and award of URS in Dept of Botany
	Member of PGBOS in Botany
	Member of faculty of life science for period of one year
	Member of a Inspection Committee to check the conditions of affiliation in Lt. Mahipat Singh College of Education, VPO Sarai Aurangabad, Chhara Beri Road, Bahadurgarh.
	Member of Organizing Committee of 39 th Inter-zonal Youth Festival held at MDU Campus from 13 th -15 th November, 2019 at Stage-VI (Terrace of Tagore Auditorium)
	Member of Executive Council of Maharshi Dayanand University Teaching Association
3.	Professional Development Related Activities
	Participated in National Conference on “IPR: Policies for research and innovation” organized by Dept of zoology with IPR cell, MDU, Rohtak held on 19 January, 2019
	Participated in National Seminar <i>Sustainable Environment</i> organized by Dept of Environmental Sciences, MDU, Rtk on 15 th Nov 2019
	Life member of Association of Microbiologists of India
	Coordinator of Career Counseling and Placement Cell
	Life member of The Indian Science Congress Association
	Life member of Society for Science of Climate Change and Environmental Sustainability

Jan.2020 to Jan. 2021

CO-CURRICULAR, EXTENSION & PROFESSIONAL DEVELOPMENT RELATED ACTIVITIES

S. No.	Nature of Activity
1	Extension, Co-curricular & related activities
	Acted as a member of organizing committee in International workshop on patent filing from 24 th -25 th January, 2020 organized by IPR cell, MDU, Rohtak

	Acted as a organizing team member at National Science Day on 28 th Feb., 2020 organized by Dept of Environmental Science, MDU, Rohtak
	Acted as a member of result compilation and certificate writing committee accorded by Vice-Chancellor for smooth organization of Rang Mahotsav- 2020 (29 th Feb. to 6 th March, 2020)
	Teacher mentor of M.Sc. 1 st and 3 rd Sem.
2.	Contribution to Corporate Life and Management of the Department and Institution through participation in academic and administrative committees and responsibilities
	Member of Department Committee
	Life member of Dept of Alumni Relation and MDU Alumni Association, Rohtak
	Member of Online Admission committee to M.Sc.
	Member of PGBOS in Botany
	Member of inspection committee for periodical inspection of Govt. College for Women, Rohtak
	Member of inspection committee regarding grant for extension in provisional affiliation in B. Sc. Medical 3 rd year course and continuation in 1 st and 2 nd year at Govt. College, Matanhail, Jhajjar
3.	Professional Development Related Activities
	Incharge of co-curricular aspects as record of awards and co-curricular activity
	Life member of Association of Microbiologists of India
	Life member of Society for Science of Climate Change and Enviromental Sustainability
	Life member of The Indian Science Congress Association
	Participated in the Botany E-Quiz on <i>Plant Tissue Culture</i> organized by Dept of Botany, Pt. LMS Govt. PG College, Rishikesh, Dehradun 20 th April, 2020.
	Participated in 3 days online Multi Criteria Decision Making Workshop (MCDM) from 23 rd April, 2020 to 25 th April, 2020 organized by REST Society for Research International (RSRI), Krishnagiri, Tamil Nadu, India.
	Participated with Excellent performance in online <i>COVID'19 Pandemic General Awareness Quiz</i> organized by IQAC, Doshi Vakil Arts College and GCUB Science & Commerce College, Goregaon, Raigad on 26 th April 2020.
	Certificate of achievement for course Digital Skills: Social Media Accenture, issued on 1 st May, 2020. futurelearn.com
	Certificate of achievement (Certificate ID- 18082985) for CHEM-101: General Chemistry 1 by Saylor.org Academy on 14 th May, 2020.
	Participated in a Webinar on <i>Mathematical Modeling of Infectious Diseases with Special Focus on COVID'19</i> organized by Division of Mathematics, School of Advanced Sciences, VIT Chennai on 2 nd July, 2020
	Participated in online Awareness Quiz on <i>Epidemics of COVID'19</i> during May-June 2020 organized by Chemistry Fusion Club, MMU, Sadopur, Ambala
	Participated in two days online national conference entitled <i>Environment: An Intelligent Recycling System</i> held on 5 th -6 th June 2020 organized by Govt. College for Girls, Sec-14, Gurugram

	Participated in the International <i>e-Symposium on Modern Trends in Physics & Biophotonics 2020</i> held from 6 th June-10 th June 2020 organized by IQAC, Govt College Manawar, Dist Dhar & IAPT RC-09, MP India.
	Participated in <i>Online Botany Quiz in Mythology 2020</i> organized by Dept of Botany, Shri Chhatrapati Shivaji Mahavidyalaya, Shrigonda, Ahmednagar, Maharashtra
	Participated in the Live Webinar on <i>Design & Development of High Power Audio Amplifier for Home Theaters</i> conducted on 14 th June 2020 by VIT Chennai & Emcog Solutions, Chennai India
	Participated in <i>Global Web Conference: Global Impact on Sustainable Development (Basic Science & Social Science)</i> held from 15 th June-20 th June 2020 organized by IQAC, Govt College Manawar, Dist. Dhar & Indian Association of Physics Teachers IAPT RC-09, MP India.
	Participated in two days <i>national virtual conference on COVID'19 Pandemic: Voice of Youth- An Urgent Need of Psycho-Social Support</i> organized by MBGPG College, Haldwani in association with Uttarakhand Open University & DHE, Haldwani, Uttarakhand on 21 st -22 nd June 2020

RESEARCH AND ACADEMIC STANDARDS

(January 2018-January 2021)

Research papers published in Journals or Conferences proceedings:

S. N o.	Title with name of authors as appearing in the publication	Journal, Vol, Year, page no.	Whether indexed/referred/not referred or conference proceedings	Impact Factor, if any	ISSN/ISBN No, if any	Whether you are first/principal/corresponding author or supervisor/mentor or other authors
1.	Preeti Kundu, Jyotika Dhankhar, Asha Sharma (2018). Development of Non-Dairy Milk Alternative Using Soymilk and Almond Milk	<i>Curr. Res. Nutr Food Sci Jour.</i> 06, (1) : 203-210	Indexed/referred	Cite score 2019: 1.1	ISSN: 2347-467X, Online ISSN: 2322-0007	Mentor

2.	Annu Devi., Asha Sharma and Pooja(2018).Salt Induced Changes In Growth Photosynthetic Pigments and Total Carbohydrate Content In two <i>Brassica juncea</i> cultivars (L.)	<i>Int J Recent Sci Res.</i> 9(3),25087-25091	Indexed/referred	NAAS Score 3.65 (2020)	ISSN: 0976-3031	Supervisor
3.	Asha Sharma, Pooja, Anju Dhiman(2018). Tomato (<i>Lycopersicum esculantum</i>) Varieties as a Source of Essential Minerals and Trace Elements in Human Nutrition	<i>Asian Journal Of Biochemical and Pharmaceutical Research,</i> Special Issue:160-164	Indexed and referred	Cosmos impact factor: 4.856	ISSN:2231-2560	Corresponding and First Author
4.	Ghazala Zia,Anju Dhiman,Kaneez Fatima,Asha Sharma(2018).Indian Patent Law and Its Amendements :Scope and Concern in Pharmacy	M.D.U. Law Journal:XX,3 7-48	Referred and peer reviewed		ISSN: 2230-746X	Others
5.	Pooja and Asha Sharma (2018). Regulation of Ion Homeostasis In Plants And Differential Expression And Function of Arabidopsis Thaliana Nhx Na ⁺ /H ⁺ AntiportersIn the Salt Stress Response (Review Article)	<i>Int J Recent Sci Res.</i> 9(3),25245-25250	Indexed/referred	NAAS Score 3.65 (2020)	ISSN:0976-3031	Supervisor
6.	Jyotika Dhankhar, Neha Vashistha and Asha Sharma (2019). Development of	<i>Journal of Microbiology, Biotechnology and Food</i>	Indexed/referred (web of science)		ISSN:1338-5178	Mentor

	Biscuits By Partial Substitution of Refined Wheat Flour With Chickpea Flour and Date Powder	<i>Sciences (JMBFS)</i>				
7.	Chanchal Garg, Kirpa Ram, Asha Sharma and Manoj Kumar(2019). Response of Different Mannitol Concentration on Antioxidant Activity of <i>Capsicum annum</i> .	<i>Annals of Agri Bio Research</i> 63	indexed/referred	Impact factor: 0.08	ISSN:09719660	Supervisor
8.	Chanchal Garg, Kamal Sharma, Asha Sharma and Kirpa Ram(2019). Effect of mannitol concentration on chilli genotypes.	<i>Global Journal of Bio Sciences and Biotechnology</i> , 8(1), (15-19).	Indexed	Global impact factor(2015) 0.675	ISSN: 2278-9103, 2278-8891	Supervisor

Research publications (Chapter in books/monograph other than referred journal articles)

S. No.	Chapter in a book/monograph/ e modules	Title with name of authors as appearing in the publications	Book title, editor, publisher year, page nos	Whether contributed to edited knowledge based volumes published by International publishers or in knowledge based volume of Indian/National level publishers with ISSN/ISBN nos and with nos of National and International directories	ISSN/ISBN no if any
1.	Book Chapter	Govinda, Sharma A., Singh S. (2018). The Use of Spectroanalytical Techniques in Detecting the Heavy Metal and	Green Chemistry in Environmental Sustainability and Chemical Education,	Springer Nature Singapore Pvt. Ltd.	ISBN 978-981-10-8390-7

		Salinity in <i>Solanum tuberosum</i> (cv. Kufri Bahar) During Indoor Study	Parmar V., Malhotra P., Mathur D. (eds.)		
2.	Book chapter	Sharma K., Dhiman A., Sharma A., Sonia (2018). Status of novel herbal drug delivery system in modern era	Cure Of Diseases By Medicinal Plants, Garg V., Dutt R.	LAP LAMBERT Academic Publishing	ISBN: 978-620-2-07213-7
3	Book Chapter	Asha sharma, Pooja, Annu Devi, Chanchal Garg, Anita Kumari, Anita Mann, Ashwani Kumar(2019). Behaviour of halophytes and their tolerance mechanism under different abiotic stresses	Ecophysiology, Abiotic Stress Responses and Utilization of Halophytes , M. Hasanuzzaman et al. (Eds.), 2019: 25-38	Springer Nature Singapore Pvt. Ltd.	ISBN 978-981-13-3762-8_2
4.	Book Chapter	Pooja, Asha Sharma, Jyoti Sharma (2020), Stress Physiology in Plants	Reforms in Agriculture and Rural Development Under COVID-19 Pandemic, Singh S.P. et al., (Eds.), 2020:175-186	M/S Shree Krishna Publisher, Agra, U.P.	ISBN 978-81-946901-8-4

Research projects:

S. No.	Title & type of projects (sponsored/consultancies) (Major/Minor)	Carried out/ongoing	Funding agency	Period	Grant/ Amount Mobilized (Rs in Lakh)
1.	Wheat Genotypes Response to Silicon Nutrition Under Salinity Stress (Minor)	Ongoing	R-K Fund, MDU Rohtak	One Year	50,000/-

Research Guidance:

Class	Number of students	Degree awarded
Ph.D. (MDU)	02	Awarded

Refresher Course, methodology workshops, Training, Teaching-Learning-Evaluation Technology Programmes, Soft skills development Programmes, faculty Development Programmes :

S.No.	Programme	Duration	Organized by
1.	UGC-HRDC,GJU,Hisar-125001(HRY), One-Week workshop on “MOOC,s,e-Content Development and Open Educational Resources”	4 th Feb, 2019 to 9 th Feb, 2019 (one week)	UGC-HRDC, GJU,Hisar-125001(HRY),
2.	Capacity Building Programme (CBP)	11 March 2019 to 24 th March 2019 (Two weeks)	Faculty Development Centre, M.D. University, Rohtak.
Total Score (Max limit 30 points)			

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

S. N o.	Title of the Paper presented	Presented by	Title of the Conference / Seminar etc and organizer	Dates of the event	Whether international / national / state / regional / university or college level
1	Presented paper in poster session on “Application of green chemistry”	Dr. Asha Sharma	National conference on application of green chemistry in pharmaceutical sciences organized by DBIPR, Dehradun	16-17 March, 2018	National
2	Presented paper entitled “Study on cytotoxic ions sequestration and potassium/sodium levels as salt tolerant indicators in tomato (<i>Solanum lycopersicum</i>)	Dr. Asha Sharma	National seminar on Recent Trends in Science and Technology A Computational Approach RTSTCA-2018 organized by Faculty of Physical Sciences, CBLU, Bhiwani	22nd March, 2018	National
3	Presented paper entitled “Rules of IPR”	Dr. Asha Sharma	National seminar on Implication and Implimentation of IPR in India organized by Dept of Education with IPR cell, MDU, Rohtak	24th June, 2018	National
4	Presented paper entitled “<i>In vitro</i> Application of Drought on Enzymatic activity of Chilli (<i>Capsicum annum</i>)	Dr. Asha Sharma	International confrence on Microbes for Biotechnological Innovations (MBI-2018) organized by Dept of Microbiology and AMI-Rohtak Unit , Haryana	7th December, 2018	International

5	Presented paper entitled Effect of Calcium on Growth parameters and Photosynthetic Pigments of <i>Solanum lycopersicum</i> Variety under Sodium Chloride Stress in National Seminar Organized by BPS Institute of Teacher Training & Research on 3rd June 2019.	Dr. Asha Sharma	National Conference on “ Effect of Calcium on Growth parameters and Photosynthetic Pigments of <i>Solanum lycopersicum</i> Variety under Sodium Chloride Stress ”Organized by BPS Institute of Teacher Training & Research, Khanpur Kalan	3rd May 2019	National
6	Presented paper entitled <i>New Techniques in Research in Two-Days International Multi-Disciplinary Seminar on Research Methodology from 30th Nov-1st Dec 2019</i>	Dr. Asha Sharma	International Seminar on “ <i>New Techniques in Research in Two-Days International Multi-Disciplinary Seminar on Research Methodology</i> ” organized by Dept of Botany, MDU Rohtak	30th Nov-1st Dec 2019	International

Invited for conferences/seminars/workshops/symposia to deliver lectures/Chair sessions:

S. No	Whether lecture delivered/a academic session chaired	Title of Conference / Seminar etc	Dates of the event	Organiser	Whether international / national/state/regional/ university or college level
	Delivered a Lecture	1) Delivered a lecture on “Untouchability is a curse” in a seminar	27-06-2018	District welfare office , Faridabad	State
		2) Delivered a lecture on “Teaching of Sant Kabir Dass Ji” at District level Sant Kabir Dass Jayanti celebration	28-06-2018	District welfare office , Faridabad	State
		3) Delivered a lecture on “International Women’s Day”	08-03-2018	Gaur Brahman Degree College, Rohtak	State
		4) Delivered a lecture on “ Teaching of Sant Shiromani Ravidas Ji” on the occasion of Ravidas Jayant	19-02-2019	District welfare office , Faridabad	State
		5) Delivered a Lecture on <i>Organic Farming/Horticulture</i> in Govt. Middle School, Sector-2,3,4 Rohtak	08-01-2020	Govt. Middle School Sec-2,3,4, Rtk	State
		6) Delivered a one hour lecture in GMS School, Sec-14, Rtk on <i>Horticulture Training.</i>	08-01-2020	Govt. Middle School Sec-14, Rtk	State

		7) Delivered a one hour lecture in GMS School Sec-14, Rtk on <i>Agriculture and Organic Farming</i>	09-01-2020	Govt. Middle School Sec-14, Rtk	State
	Acted as Resource person (Poster Evaluator)	1st National Conference on Recent Advances and Challenges in Healthcare organized by School of Medical and Allied Sciences, GDGU Gurugram	18th March, 2018	School of Medical and Allied Sciences, GDGU Gurugram	National

(2021- 2025)

Research papers published in Journals or Conferences proceedings:

Title of paper	Name of the author/s	Name of journal	Impact factor	ISSN number	Link to the recognition in UGC enlistment of the Journal
Silicon Supplementation Alleviates the Salinity Stress in Wheat Plants by Enhancing the Plant Water Status, Photosynthetic Pigments, Proline Content and Antioxidant Enzyme Activities (2022)	Pooja Singh, Vikram Kumar, Jyoti Sharma, Sakshi Saini, Priyanka Sharma, Sandeep Kumar, Yogesh Sinhmar, Dharendra Kumar and Asha Sharma	Plants	4.658	ISSN 2223-7747	https://www.mdpi.com/journal/plants/indexing
Importance of silicon in combating a variety of stresses in plants: A review (2022)	Pooja, Vikram, Jyoti Sharma, Shivani Verma, & Asha Sharma	Journal of Applied and Natural Science	CiteScore 0.5	Online ISSN: 2231-5209 Print ISSN: 0974-9411	https://journals.ansfoundation.org/index.php/jans
Role of Brassinosteroids in plants responses to salinity stress: A review (2022)	Vikram, Pooja, Jyoti Sharma & Asha Sharma	Journal of Applied and Natural Science	CiteScore 0.5	Online ISSN: 2231-5209 Print ISSN: 0974-9411	https://journals.ansfoundation.org/index.php/jans
Medicinal potential of <i>Digitaria</i> : An overview (2021)	Kanupriya, Manoj Kumar and Asha Sharma and Anju Dhiman	Journal of Pharmacognosy and Phytochemistry	RJIF 5.52	E-ISSN: 2278-4136 P-ISSN: 2349-8234	https://www.phytojournal.com/
Phytochemical Investigation of <i>Digitaria eriantha</i> as a potential medicinal crab grass (2022)	Kanupriya, Manoj Kumar, Anju Dhiman, Asha Sharma	Neuroquantology	CiteScore 0.9	ISSN 1303 5150	https://www.neuroquantology.com/index.php
A review on regulatory control of chromium stress in plants (2022)	Priyanka Yadav, Asha Sharma , Sandeep Singh	Journal of Applied and Natural Science	CiteScore 0.5	Online ISSN: 2231-5209 Print ISSN: 0974-9411	https://journals.ansfoundation.org/index.php/jans

Recent trends of potential medicinal uses of rice bran with its composition and bibliographic analysis	Vikram Kumar, Pooja Singh, Asha Sharma	eFood	Scopus indexed	Online ISSN:2666-3066	https://doi.org/10.1002/efd2.86
Evaluation of silicon-facilitated growth performances and regulation of Na⁺ and K⁺ homeostasis in salt-stressed wheat varieties	Pooja Singh, Vikram Kumar, Jyoti Sharma & Asha Sharma	Cereal Research Communications	Impact factor 1.6	Electronic ISSN 1788-9170 Print ISSN 0133-3720	https://doi.org/10.1007/s42976-023-00397-z
Foliar application of Glycine betaine to ameliorate lead toxicity in barley plants by modulating antioxidant enzyme activity and biochemical parameters	Jyoti Sharma, Sandeep Kumar, Vikram Kumar, Pooja Singh, Pradeep Khyalia, Shivani Verma, Sakshi Saini and Asha Sharma	Environmental Research Communications	Impact Factor 3.237	Online ISSN: 2515-7620	DOI 10.1088/2515-7620/acde38
Rice straw management through biofuel, biochar, mushroom cultivation, and paper production to overcome environmental pollution in North India	Vikram Kumar, Pooja Singh, Jyoti Sharma, Sakshi Saini, Priyanka Sharma & Asha Sharma	Waste Disposal & Sustainable Energy	Scopus Indexed	Electronic ISSN 2524-7891 Print ISSN 2524-7980	https://doi.org/10.1007/s42768-023-00152-4
Interaction of silicon with cell wall components in plants: A review	Pooja Singh, Vikram Kumar, Asha Sharma	Journal of Applied and Natural Science	CiteScore 0.5	Online ISSN: 2231-5209 Print ISSN: 0974-9411	https://doi.org/10.31018/jans.v15i2.4352
Assessment of yield and quality management with the exogenous application of silicon in contrasting wheat varieties under salinity stress	Pooja Singh, Vikram Kumar, & Asha Sharma	Cereal Research Communications	Impact Factor 1.9	Electronic ISSN 1788-9170	https://link.springer.com/article/10.1007/s42976-024-00522-6
Evaluation of yield and quality attributes of barley cultivars with foliar spray of glycine betaine under lead toxicity.	Jyoti Sharma, Sandeep Kumar, Naveen Kumar, Neha Yadav, Pradeep Asha Sharma	Cereal Research Communications	Impact Factor 1.9	Electronic ISSN 1788-9170	https://link.springer.com/article/10.1007/s42976-024-00496-5
Drought stress in Lens culinaris: effects,	Sakshi Saini, Priyanka Sharma, Jyoti	Physiology and Molecules	Impact Factor 3.4	Electronic ISSN 0974-0430	https://link.springer.com/article/10.1007/s12298-024-01417-w

tolerance mechanism, and its smart reprogramming by using modern biotechnological approaches.	Sharma, Pooja Pooja, & Asha Sharma	ar Biology of Plants,			
A comparative study on GC-MS analysis and antimicrobial activity of bioactive compounds present in aerial parts (leaf and fruit) of <i>Ficus benghalensis</i> L.	Preeti Singh, Jyotika Dhankhar, Rajeev Kumar Kapoor, and Asha Sharma	Journal of Applied and Natural Science	Scopus Indexed	Online ISSN: 2231-5209	https://www.proquest.com/docview/2830027637?pq-origsite=gscholar&fromopenview=true&sourcectype=Scholarly%20Journals
<i>Ficus benghalensis</i> —A comprehensive review on pharmacological research, nanotechnological applications, and patents	Preeti Singh, Jyotika Dhankhar, Rajeev Kumar Kapoor, Dharendra Kumar, Saurabh Bhatia, Ahmed Al-Harrasi, and Asha Sharma	Journal of Applied Pharmaceutical Science	Scopus Indexed		https://scholar.googleusercontent.com/scholar?q=cache:fNvLkAFv8isJ:scholar.google.com/+Ficus+benghalensis%E2%80%94comprehensive+review+on+pharmacological+research,+nanotechnological+applications,+and+patents&hl=en&as_sdt=0,5
Phytochemical profiling, antioxidant and antimicrobial activity of aerial parts (stem bark and aerial roots) of <i>Ficus benghalensis</i> L.	Preeti Singh, Jyotika Dhankhar and Asha Sharma	Research Journal of Chemistry and Environment	Scopus Indexed	ISSN: 0972-0626	https://japsonline.com/admin/php/uploads/3977_pdf.pdf
Nitric oxide: An emerging warrior of plant physiology under abiotic stress. Nitric Oxide.	Sakshi Saini, Priyanka Sharma, Pooja Singh, Vikram Kumar, Priya Yadav, and Asha Sharma	Nitric Oxide	Impact Factor 3.9	Online ISSN: 1089-8611	https://www.sciencedirect.com/science/article/pii/S1089860323000848
Emerging role of osmoprotectant glycine betaine to mitigate heavy metals toxicity in plants: A systematic review.	Jyoti Sharma, Sandeep Kumar, Pooja Singh, Vikram Kumar, Shivani Verma,	<i>Biologia Futura.</i>	Impact Factor 2.1	ISSN: 2676-8607	https://link.springer.com/article/10.1007/s42977-023-00198-9

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Botanical specifications, ethnobotany, phytochemistry, and pharmacology of herb <i>Digera muricata</i> (L.) Mart: a systematic review.	Priyanka Sharma, Sakshi Saini, Jyoti Sharma, Pritam Hasanpuri, Naveen Kataria, and Asha Sharma	Phytochemistry Reviews	7.6	Electronic ISSN 1572-980X	https://link.springer.com/article/10.1007/s11101-025-10106-9
Physiological and germination responses of rice to chloride salinity and 24-epibrassinolide.	Vikram Kumar, Pooja Singh, Jyoti Sharma, Himanshu Mehra, and Asha Sharma	Cereal Research Communications	1.9	Electronic ISSN 1788-9170	https://link.springer.com/article/10.1007/s42976-025-00671-2
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An updated mechanistic overview of nitric oxide in drought tolerance of plants.	Sakshi Saini, Priyanka Sharma, Pooja Pooja, and Asha Sharma	Nitric Oxide	3.2	Print ISSN: 1089-8603	https://www.sciencedirect.com/science/article/pii/S1089860324001253
FTIR and GC-MS Based Phytochemical Characterization and Antioxidant Activity Evaluation of <i>Digera muricata</i> (L.) Mart.	Priyanka Sharma, Sakshi Saini, Pritam Hasanpuri, Naveen Kataria, Vikram Kumar, and Asha Sharma	Chemistry Select	2	Online ISSN:2365-6549	https://chemistry-europe.onlinelibrary.wiley.com/doi/full/10.1002/slct.202503144
Recent progress in research on ethnobotany, phytochemistry, pharmacology, and toxicology of some wild plants of family	Priyanka Sharma, Sakshi Saini, Pritam Hasanpuri, Naveen Kataria, Vikram Kumar, Pooja Singh, and Asha Sharma	Beni-Suef University Journal of Basic and Applied Sciences	2.6	ISSN: 2314-8543	https://link.springer.com/article/10.1186/s43088-025-00678-y

Amaranthaceae: an updated review		14(1), 1-42.			

Research publications (Chapter in books/monograph other than referred journal articles)

S. No.	Chapter in a book/monograph/module	Title with name of authors as appearing in the publications	Book title, editor, publisher year, page nos	Whether contributed to edited knowledge based volumes published by International publishers or in knowledge based volume of Indian/National level publishers with ISSN/ISBN nos and with nos of National and International directories	ISSN/ISBN no if any
1	Book Chapter	Silicon -An Emerging Approach to Agriculture	RECENT APPROACHES in Sustainable Agriculture Development and Food Security, Crop Management, Forestry, Food Technology and Environment ally Balanced Production Enhancement	Mahima Research Foundation and Social Welfare	ISBN: 978-81-943375-4-6
2	Book Chapter	CARBON SEQUESTRATION : DIFFERENT APPROACHES TO ADDRESS CLIMATE CHANGE EFFECTS	Sustainable Plant Nutrition and Soil Carbon Sequestration	Springer Nature	ISSN 2662-2394

3	Book Chapter	Agroforestry as a potential measure to enhance plant nutrition and carbon sequestration	Sustainable Plant Nutrition and Soil Carbon Sequestration	Springer Nature	ISSN 2662-2394
4.	Book Chapter	Pooja Singh, Vikram Kumar, Jyoti Sharma, Sakshi Saini, Priyanka Sharma, Sandeep Kumar & <u>Asha Sharma</u> (2023) Multifaceted Mechanisms of Silicon in Alleviation of Drought Stress in Plants.	<i>Salinity and Drought Tolerance in Plants Physiological Perspectives</i>	Springer Singapore	Hardcover ISBN 978-981-99-4668-6
5.	Book Chapter	Priyanka Sharma, Dhirendra Kumar, D. K. Jha, <u>Asha Sharma</u> , Vinita Shukla, Sheetanshu Gupta (2023) An Overview of New Era of Plant Biotechnology with Nanotechnology.	<i>Plants and metal based nanomaterials and their application</i>	IV Gardners Incorporation	
6.	Book Chapter	Sandeep Singh, Dhirendra Kumar, Ekhlake Ahmed Khan,	<i>Plants and metal based nanomaterials and their application</i>	IV Gardners Incorporation	

		Asha Sharma, Sheetanshu Gupta (2023) An updated View on Plant Responses to Environmental Stress			
7.	Book Chapter	Mishra, S., Sharma, A., Dutta, A. K., Kapoor, R. K., Jha, D. K., & Kumar, D. (2023). An introduction to current and future aspect on growth promoting microbiome.	<i>Plant- Microbe Interaction- Recent Advances in Molecular and Biochemical Approaches</i>	Academic Press	
8.	Book Chapter	Impact of COVID 19 on environment health: A boon or Bane	International Web Conference on COVID-19 Second Wave: Challenges For Sustainable Development (CCSD 2021)	Digambarrao Bindu ACS College, Bhokar Dist Nanded (MS) Asian Biological Research Foundation (ABRF) Prayagraj, India	ISBN 978-93- 559305-5-2
9.	Book Chapter	Delta Variant: Its Transmissibility and Prevention	International Web Conference on COVID-19 Second Wave: Challenges For Sustainable Development (CCSD 2021)	Digambarrao Bindu ACS College, Bhokar Dist Nanded (MS) Asian Biological Research Foundation (ABRF) Prayagraj, India	ISBN 978-93- 559305-5-2
10 .	Book Chapter	Physical distancing and Psychological Impacts of COVID-19: Challenges and its Response	International Web Conference on COVID-19 Second Wave: Challenges For Sustainable	Digambarrao Bindu ACS College, Bhokar Dist Nanded (MS) Asian Biological Research Foundation (ABRF) Prayagraj, India	ISBN 978-93- 559305-5-2

			Development (CCSD 2021)		
11 .	Book Chapter	Challenges and Opportunities in Education Sector during Pandemic Period	International Web Conference on COVID-19 Second Wave: Challenges For Sustainable Development (CCSD 2021)	Digambarrao Bindu ACS College, Bhokar Dist Nanded (MS) Asian Biological Research Foundation (ABRF) Prayagraj, India	ISBN 978-93- 559305-5-2
12 .	Book Chapter	Sleep Disturbances During COVID- 19 Pandemic		Digambarrao Bindu ACS College, Bhokar Dist Nanded (MS) Asian Biological Research Foundation (ABRF) Prayagraj, India	978-93-94727-92- 2

Book Authored (1)

1. Dharendra Kumar, Sheetanshu Gupta, Asha Sharma (2023) Plants and metal based nanomaterials and their application. IV Gardners Incorporation.