Resume

Name	RAJESH DHANKAR
Phone no.	Mobile No.: 8168793039
Email	rajeshdhankar.EVS@mdurohtak.ac.in

1. **Research Areas:**
   - Biofuels
   - Bioremediation
   - Wastewater Treatment
   - Remote Sensing
   - Pollution

2. **Present Position**

a.	**Designation**	Professor, Head of Department & Dean Life Sciences

3. **Details of experience:**

S. No.	**Post Held**	**Organisation**	**Nature of duties**	**Experience (In years & Months)**
1.	Professor	MDU	Administration, Teaching & Research	14years & 2 months
2.	Reader	MDU	Teaching & Research	7years
3.	Lecturer	MDU	Teaching & Research	9 years

4. **Educational Qualifications**

S. No	**Qualification**	**University**	**Year**	**Subject(s) Topic(s)**
1.	PhD	MDU, Rohtak	1992	Ecology
2.	M.Sc.	MDU, Rohtak	1988	Botany
3.	B.Sc.	MDU, Rohtak	1986	Botany, Zoology, Chemistry

4. **Administrative Experience**

S. No.	**Post**	**Organisation/ University**	**Duration**		**Experience (In Years & Months)**
			From (Date)	**To (Date)**	
1.	**Head of the Department**	MDU, Rohtak	15-6-2009 15-6-2015 15-6-2021	15-6-2012 15-6-2018 Till date	7 years & 7 months
2.	**Chairman, Board of**	MDU, Rohtak	15-6-2009	15-6-2012	7 Years

	Studies		15-6-2015 15-6-2021	15-6-2018 Till date	
3.	**Member, Board of Studies**	MDU, Rohtak DCRUST, Murthal CDLU, Sirsa KUK, Kurukshetra B.P.S.M. Khanpur Kalan.	15-11-2000 15-6-2012 15-6-2018 10-9-2018 12-9-2020 19-4-2019 10-10-2020 4-5-2005	15-6-2009 15-6-2015 15-6-2021 10-9-2020 12-9-2022 19-4-2021 10-10-2022 4-5-2007	15 years 4 years 2 years 2 years 2 years
4.	**Dean of Faculty**	MDU, Rohtak	5-4-2022	Till date	9 months
5.	**Member of Academic Council**	MDU, Rohtak	15-6-2009	Till date	13 years & 7 months
6.	**Member of Executive Council & Finance Committee**	MDU, Rohtak	5-4-2022	Till date	9 months
7.	**Member of Professional/Academic Bodies**	J.C.Bose University of Science & Technology, YCMA, Faridabad	31-8-2022	Till date	5 months
8.	**Member of Court**	MDU, Rohtak	2019	2020	1 year
9	Others (Specify) A) Counselor B) Expert member of screening/selection committee for the recruitment of assistant professor in colleges/universities C) Expert member for the screening of research proposals in the environmental sciences subject D) Expert member of committee for the mid-term evaluation of the ongoing research projects	IGNOU, New Delhi CUH, Mahendergarh DCRUST, Murthal MDU, Rohtak CDLU, Sirsa KUK, Kurukshetra B.P.S.M. Khanpur Kalan Ved Vyas Narayan University Jodhpur UGC, New Delhi UGC, New Delhi	1999 2009 2010 2010 2010	2004 2022 2012 2012 2012	5 Years 13 years 2 years 2 years

	E) Expert member of the committee to select the candidate under the scheme of post doctoral fellowship for SC /ST candidates	UGC, New Delhi MHRD, New Delhi	2011	2012	2 years
	F) Expert member of the committee for the selection of scholarship under Indo-Hungarian sponsored fellowships	MHRD, New Delhi	2011	2012	1 year
	G) Expert member of the committee for the selection of scholarship under Indo-Mauritius sponsored fellowships	MHRD, New Delhi	2012	2013	1 year
	H) Expert member of the committee for the selection of scholarship under Indo-Japan sponsored fellowships				1 year

6. (a) Academic/Teaching Experience

S. No.	Post	Organisation/ University	Duration		Experience (In Years & Months)
			From (Date)	To (Date)	
	Professor Reader Lecturer	MDU, Rohtak MDU, Rohtak MDU, Rohtak	15-11-2008 15-11-2000 15-11-1991	Till date 15-11-2008 15-11-2000	14 years 2 months 7 years 9 years

(b) Participation and contribution in relevant areas in higher education

	Organisation	Area of specialization
Resource Person	B.P.S.M.V., Khanpur Kalan University of Mysore I.M.D., New Delhi G.J.U.S.&T., Hisar A.I.J.H.M.College, Rohtak C.R.A. college, Sonepat M.D.U., Rohtak G.N.D. University, Amritsar K.U., Kurukshetra	Sustainable development Goal, Life below water Waste management Road map for carbon neutrality 2070 Challenges on production of Plastic, Life below water Environment and biodiversity, Women Empowerment, Water

	C.R. College of Education, Rohtak S.G.T. University, Gurugram C.U.H. Mahendergarh D.C.R.U.S.T., Murthal M.K.J.K. College, Rohtak G.V.M. Girls College, Sonepat Doon University, Dehradun	Conservation, Environment awareness, Sustainable goals Use of Bio plastic Action for sustainability living Green technology, Disaster Management, Environment awareness Biodiversity and sustainable utilization Women Empowerment
Others (Specify)	1. Abhilasha, Girls Hostel, M.D.U., Rohtak 2. U.K.P.S.C., Haridwar	Environmental Awareness, Self defence awareness and waste management Paper Setter, Evaluator, Moderator and Interviewer

(c) Involvement with formulation of academic programmes:

S. No	Nomenclature of Innovative Programmes formulated	Date of approval Academic Council	Year of Introduction
1.	**M.Sc. Environmental Biotechnology**	10-5-2010	2010
2.	**Value Added Course on waste Management**	16-12-2022	2023
3.	**Ph.D. Programme in Environmental Sciences**	6-7-2009	2009

(e) Position of Chairs:

S.No	Name of Chair	Name of Agencies/ Departments involved	Period of holding the Chair
1.	Head of the Department	Department of Environmental Sciences, M.D.U., Rohtak	7 years & 7 months
2.	Director	Centre for Bioinformatics, M.D.U., Rohtak	7 years
3.	Coordinator	Environment Sustainability Cell,	4 years
4.	Coordinator	M.D.U., Rohtak	5 years
5.	(D.S.T.F.I.S.T.)	D.S.T.F.I.S.T., Department of	3 years
6.	Coordinator(UGC innovative programme)	Environmental Sciences, M.D.U., Rohtak	5years & 6 months
7.	Provost (Girls) Coordinator (D.B.T.)	U.G.C. innovative programme, Department of Environmental Sciences, M.D.U., Rohtak Girls Hostel, M.D.U., Rohtak Centre for Bioinformatics, M.D.U., Rohtak	5 years

7. International Academic Exposure

S. No	Post/Assignment	Organisation/ University	Area of assignment	Duration		
				From	To	(In years & months)
1.	Leadership for Academicians Programme	Michigan Ross Executive Education, Michigan University and I.I.T. Roorkee, UK	Leadership for Academicians	17/11/2018	7/12/2018	21 days

8. Scholarly achievements:

A. Contribution to Books:

	Details
Books authored	1. Text Book on Environmental studies. Published by K. University, Kurukshetra (2005) 2. Text Book on Environmental studies. Published by Daya Publishing house, Daryaganj, New Delhi (2006) 3. "Environmental studies" published by M.D.University Rohtak (2014)

B. Publications:

B.I. List of scholarly publications in recognized professional and/or academic journals

Total Publications: 99

1. Vandna Sethi, Anubha Kaushik and Rajesh Khatri (1990).Soil Dehydrogenase activity and nitrifier populations in relation to different soil plant associations. Tropical Ecology 31(2), 112-117, 1990.ISNN-0564-3295, impact factor- 1.6, Springer and Web of Science.
2. R Khatri, V. Sethi and A. Kaushik (1991). Inter-population variations of Kochia indica during germination under different stresses. Annals of Botany 67: 413- 415, 1991, impact factor- 4.2, Web of Science.
3. R. Dhankhar, A. Kaushik and S. Taxak (1998).Accumulation of organic solutes by some native plants sp. From semi-arid North Western India. Ecology And Conservation 4(1-2), 57-63, 1998.
4. R. Dhankhar, and J.S. Dahiya (2000). Effect of steel re-rolling factory effluent on soil properties and physiological responses of native plant species. The Academy of Environmental Biology 9(1), 79-83, ISSN-0254-8704, Impact factor-0.64, SNIP-0.041, SJR-0.514.
5. R., Dhankhar, and J.S. Dahiya (2002).Impact of sugar mill effluent on soil and some native plant forage species. Plant Archives 2(2), 235-240, 2002. ISNN: 0972-5210.
6. R., Dhankhar, and J.S. Dahiya (2002).Salinity induced changes in photosynthetic pigments and plant growth of three native native halo tolerant plant sp. Journal of Ecophysiology and Occupational Health.2, 1-12,ISSN-09724397, Hi Index -4,SJR-0.15, Citation index-22, Web of Science.

7. R., Dhankhar, S., Khatri, J.S. Dahiya and Sushma (2002).Inhibition of nitrate reductase activity in some crop plants raised with sewage waste water. J. Eco physiological and occupational health.2, 235-242, ISSN-09724397, Hi Index -4, SJR-0.15, Citation index-22, Web of Science.
8. Dhankhar, R., Kaushik, A., and Dahiya, J.S. (2002). Germination responses and biomass accumulation of three native plant species of Haryana (India) under salinity stress. Plant Archives 2 (2), 263-267. 2002. ISNN: 0972-5210.
9. R., Dhankhar and S., Khatri (2003).Evaluation of sewage waste water as a source of irrigation and manure of Rohtak city of Haryana. Pollution research. 22(4), 549-552, ISSN-02578050, SNIP-0.219, SJR-0.183. HI Index-16, Citation-49, Scopus.
10. Khatri, S. Dhankhar, R. Dahiya, J. S. (2003).Impact of sewage waste water on seed germination and seedling growth of some Rabi & Kharif crops of Haryana. Indian J.
    Environment Protection 23(10): 1161-1166 (2003).ISNN:0253-7141, HI Index-11, SJR-0.15, Scopus.
11. Dhankhar R and Sushma. (2003).Impact of thermal power plant discharge on crop plants harvested soils. Indian J. Environment Protection 23(5): 519-524, ISSN-02537141, HI Index-11, SNIP-0.332, SJR-0.170, Scopus, UGC care list.
12. R., Dhankhar and S., Sangwan (2004).Water quality assessment from different regions of Mahendergarh (Haryana). Journal of Ecotoxicology and Environmental Monitoring 14(1), 15-22, 2004. ISSN 0971-0965-13-03-15.
13. R. Dhankhar, Sushma and S. Khatri (2004). Impact of thermal power plant effluent in nitrate reductase activity in some crop plants. J. Ecotoxicology and Environmental Monitoring 14(3), 215-220, 2004.ISNN:0971-0965-14-04-215.
14. R., Dhankhar, S., Khatri, Sushila Sangwan and Nitant Gaur (2005). Effect of sewage on the photosynthetic pigments, nutrient composition and protein contents of Rabi crop plants of Haryana. Pollution research 24(2), 311-318, ISSN-02578050, SJR-0.15, HI Index-16, Citation -49., Scopus.
15. R. Dhankhar and Joginder Singh (2007). Soil amendment with the application of combined sugar mill and distillery effluents. Poll. Res. 26(1), 83-97, ISSN-02578050, SNIP-0.219, SJR-0.183, HI Index-16, Citation-49, Scopus.
16. S. Chhikara and R. Dhankhar (2008). Biosorption of Cr (VI) ions from electroplating industrial effluent using immobilized *Aspergillus niger* biomass. Journal of Environmental Biology 29(5) 773-778, 2008.ISNN:0254-8704, Impact factor-0.64,SNIP-0.041,SJR-0.514, Scopus, Web of Science.
17. S. Chhikara and R. Dhankhar (2008). Biosorption of Cr (VI) to immobilized *Saccharomyces cerevisiae* biomass. Indian J. of Environmental Science 12(2), 83-89, Scopus
18. S. Chhikara and R. Dhankhar (2008). Recovery of Cr (VI) from industrial effluent by immobilized fungal biomass. Journal of Ecobiology 23(2), 107-118, 2008. ISNN: 0970-9037-08-23-107.
19. Rajesh Dhankhar, Lalita and Sunil Chhikara (2008). Study of ground water quality in the villages of Sirsa district. Journal of Ecobiology 23(4), 321-332, 2008. ISNN: 0970-9037-08-23-321.

20. N. Gaur, R. Dhankhar (2009). Equilibrium modelling and spectroscopic studies for the biosorption of aqueous solution using *Spirullina platensis* Iranian Journal of Environmental Health Science and Engineering 6 (1),1-6, Impact factor-1.072, SNIP-0.040, SJR-0.215, Scopus.
21. Gaur, N., Dhankhar R. (2009).Removal of Zn (II) ions from aqueous solution using *Anabena variabilis:* Equilibrium and kinetic studies. International Journal of Environmental Research, 3(4), 605-616, 2009.ISNN:1735-686, Scopus, Springer,Web of Science, Impact factor-3.2
22. Dhankhar Rajesh, Rana Lalita, Chhikara Sunil and Sangwan Sushila (2009).Impact assessment of soils treated with refinery effluent. European Journal of Soil Biology 45,459-465, ISSN-1164-5563, Impact factor-4.2, Elsevier, Web of Science
23. Chhikara S., A., Hooda, L., Rana. , and Dhankhar R. (2010). Chromium (VI) biosorption by immobilized *Aspergillus niger* in continuous flow system: with special reference to FTIR analysis. Journal of Environmental biology 31,561-566, 2010. ISNN: 0254-8704 Impact factor-0.7, Scopus, Web of Science.
24. Chhikara S., A., Hooda, L., Rana. , and Dhankhar R. (2010). Development of efficient biosorbent by using non-immobilized *A. niger* biomass for sequestration of Cr (VI) ions. Journal of Environmental Biology, 31(5); 2010. ISNN: 0254-8704 Impact factor-0.7, Web of Science, Scopus.
25. Rana L., Dhankhar R., and Chhikara S., (2010). Soil characteristics affected by long term application of sewage waste water .International journal of Environmental Research, 4(3), 513-518, ISNN: 1735-6865, Impact factor-3.2, Web of Science, Scopus.
26. Lalita Rana, Sunil Chhikara and Rajesh Dhankhar (2010). Lead toxicity in *Lyngby sp.*Isolated from Sewage Water Irrigated Soil. Environ. We Int. J. Sci.Tech.5, 79-85, ISSN: 0975-7112.
27. Rajesh Dhankhar and Radha Solanki (2011). Heavy metal stress and induced changes in physiological characteristics of *Vigna mungo* (L.) Hepper cv. T-9. Journal of Environmental Biology. 32(2): ISNN: 0254-8704 Impact factor-0.7, Web of Science, Scopus.
28. Rajesh Dhankhar and Radha Solanki (2011). Biochemical changes and adaptive strategies of plants under heavy metal stress. Biologia, Springer,66(2), 195-204.Impact 1.5, Scopus, Web of Science.
29. Rajesh Dhankhar and Radha Solanki (2011).Effect of copper and zinc toxicity on physiological and biochemical parameters in *Vigna mungo* (L.) Seedlings. International Journal of Pharma and Bio Sciences. 2 (2), 553-557, ISSN-0975-6299.
30. Rajesh Dhankhar and Rachna Bhateria Guriyan (2011). Bacterial Biosorbents for detoxification of heavy metals from aqueous solution. International Journal of Advances in Science and Technology. 2(6), 103-128, 2011. ISSN-2229-5216.
31. Rajesh Dhankhar and Rachna Bhateria Guriyan (2011). Strategies for management of metal contaminated soil. International journal of Environmental Science. 1(7), 1884-98, ISSN-0976-4402, IC value-4.69.

32. Rajesh Dhankhar, Anju Hooda, Radha Solanki, Poonam Ahlawat Sainger. *Saccharomyces cerevisiae*: A potential biosorbent for biosorption of uranium (2011).International Journal of Engineering Science and Technology. 3(6):5397-5407.ISSN-0975-5462, IC value-3.14
33. Rajesh Dhankhar, Radha Solanki,Anju and Poonam (2011). Zinc and Copper induced changes in physiological characteristics ov *Vigna mungo (L*) .Journal of Environmental Biology, 32, 2011. ISNN:0254-8704, Impact factor-0.7, Scopus, Web of Science.
34. Poonam Ahlawat Sainger, Rajesh Dhankhar, Manish Sainger, Anubha Kaushik, Rana Pratap Singh (2011).Assessment of heavy metal tolerance in native plant species from soils contaminated with electroplating effluent. International Journal of Ecotoxicology and Environmental Safety, Elsevier, 74:2284-2291, 2011, ISSN:0147-6513, Impact factor-6.8, Web of Science, Scopus
35. Radha Solanki and Rajesh Dhankhar (2012).Influence of Cu & Zn stress on protein metabolism in V*ignamungo)* (L.) *Hepper.* International Journal of Pharma and Bio Sciences. 3(2), 493-505, 2012. January. ISSN 0975-6299, Scopus
36. Rajesh Dhankhar, Poonam Ahlawat Sainger and Manish Sainger (2012). Phytoextraction of zinc: Physiological and molecular mechanisms. Review paper. International Journal of soil and sediment contamination, Taylor & Francis, 21,115-133, 2012, ISSN-1532-0383. Impact factor-2, Web of Science, Scopus.
37. Rajesh Dhankhar and Anju Hooda (2012). Fungal bio sorption-an alternative to meet the challenges of heavy metal pollution in aqueous solutions. Journal of Environmental Technology Taylor & Francis, 5(32), 467-491, Impact factor-2.8, ISSN -0959-3330, Scopus
38. Rachna Bhateria and Rajesh Dhankhar (2013). Statistical modeling &optimization of cr(vi) biotransformation by indigenous bacterial strains using response surface methodology. International Journal of current Research,5 (2),303-312, Impact factor -1.125, I.C. Value-6.29,
39. Sunil Kumar and Rajesh Dhankhar(2013).Tropical state index and assessment of water quality for domestic and agricultural purpose of Bhindawas wetland, Haryana (India).Annals of Biology.28(2),144-151.ISSN-0970-0153. Scopus, Web of Science.
40. Anju Hooda, Rajesh Dhankhar and Rachna Bhateria (2013). Sequestration of Uranium(vi) from aqueous solutions using brewery yeast (*Saccharomyces cervisiae).* International Journal of current Research. impact factor-1.125,I.C. value-6.29.
41. Lalita Rana, Sunil Chhikara and Rajesh Dhankhar (2013). Assessment of growth Rate of Indigenous Cyanobacteria in Metal Enriched Culture Medium. Asian Journal of Experimental Biological Science.4(3), 465-475.ISSN-0975-5845.
42. Rajesh Dhankhar and Sakshi (2013). Ethanol: Today's Renewable Fuel from Lignocellulosic Biomass. Journal of Energy and Environmental Science. Photon 127, 278-289.ISJN 4382-1729,Impact index-3.23.
43. Vikram Mor, Poonam Sangwan, Sakshi, Rajbala Soni and Rajesh Dhankhar (2013). *Ricinus communis*: A Potential Biodiesel Plant For Sustainable Development. International Journal of Current Research. Impact Factor-1.125.Vol.5, Issue,09, pp.2709-2713,ISSN Number-0975-833X.

44. Vikram Mor, Poonam Sangwan, Sakshi, Sarita Sheoran, Rajbala Soni and Rajesh Dhankhar (2013). *Jatropha curcas*: as a Sustainable Source for Biodiesel Production and Environmental Management. International Journal of Current Research. Impact Factor-1.125.Vol.5, Issue,09, pp.2705-2708, ISSN Number-0975-833X.
45. Rajesh Dhankhar, Sarita Sheoran, Anil Dhaka and Rajbala Soni (2013). The role of phosphorus solublizing bacteria (psb) in soil management- an overview. International Journal of Development Research. Vol. 3, Issue, 9, pp.031-036, ISSN Number- 2230-9926.
46. Poonam Sangwan, Vikram Mor, Sakshi, Rajbala Soni, Rajesh Dhankhar (2013). Toxicity of Cadmium in Plants. International Journal of Current Research. Impact Factor-1.125.Vol.5, Issue,09, pp.2714-2717, ISSN Number-0975-833X.
47. Bhateria, R., Dhankhar, R. (2013).Optimization of CR(VI) biotransformation by response surface methodology using Microbacterium Maritypicum .International Journal of Pharma and Bio Sciences4, (4) 2013, P. B834-B844.**ISSN:** 09756299. Scopus
48. Rajbala Soni, Rajesh Dhankhar and Vikram Mor (2013). Indoor Air Quality Index and Chronic Health Disease: A Pilot Study. International Journal of Research in Engineering and Technology
49. Kumar S., Sangwan P., Dhankhar R. Mor V., and Bidra S (2014). Utilization of Rice Husk and Their Ash: A Review. Research Journal of Chemical and Environmental Sciences. Volume 1 Issue 5 December 2013: 126-129. Online ISSN 2321-1040.
50. Lalita Rana, Sunil Chhikara and Rajesh Dhankhar (2014). Physiological studies of native cyanobacterial species Lyngbya contorta and Phormidium foveolarum in sewage waste water. Journal of Environmental Biology. Volume 35 Issue 5 May 2014: 595-599.ISSN-0254-8704. Scopus, Impact factor-0.7
51. Rajesh Dhankhar, Anil Dhaka, Sakshi (2014). Bioconversion of water Hyacinth to Ethanol by using Cellulase from Trichoderma Atroviride AD-130. Advanced Materials Research Vol.918 (2014) pp 145-148.
52. Sarita Sheoran, Rajesh Dhankhar , Anil Dhaka (2014). An Overview On Recent Developments In Amylase Production By Microbes . Journal of International Academic Research for Multidisciplinary .2(3), 339-350. Impact Factor 1.393, ISSN: 2320-5083.
53. Lavanya, C., Rajesh Dhankar and Sunil Chhikara (2014). Noise Pollution : An Overview.International Journal of Current Research 6 (5,) pp.6536-6543. Impact Factor-1.125. ISSN: 0975-833X.
54. C. Lavanya, Rajesh Dhankar and Sunil Chhikara (2014). Microbial Fuel Cells As An Alternative Energy Source: A Comprehensive Review. Journal of International Academic Research for Multidisciplinary .2(4), 707-722. Impact Factor 1.393, ISSN: 2320-5083.
55. C. Lavanya, Rajesh Dhankhar, Sunil Chhikara, Sarita Sheoran (2014). Degradation of Toxic Dyes: A Review. International journal of current Microbiology and Applied Sciences Vol. pp.189-199.
56. C. Lavanya, Rajesh Dhankhar, Sunil Chhikara and Rajbala Soni (2014). Outdoor air pollution and health: A comprehensive review. International journal of recent scientific research. Vol.5, issue, 7 pp.1248-1255 impact factor- 1.136.

57. Rachna Bhateria and Rajesh Dhankhar (2014). Response Surface Methodology for Biotransformation of Cr (VI) using *Salmonella sp.*S4. International journal of Pharma and Biosciences. 5(4); (B) 307-319, ISSN NO. 0975-6299. Scopus
58. Nitant Gaur and Rajesh Dhankhar (2014). Equilibrium, kinetic, spectral and thermodynamic analysis of nikel ion adsorption by Spirulina platenis in aqueous solutions. Journal of Pharmacy research. 8(8), 1178-1184. ISSN NO- 0974-6943. Impact factor-2.667.
59. Soni,R.B., Dhankhar, R.(2015).Temporal variation in indoor air quality during festival of fireworks in India. Rasayan journal of Chemistry. 8(4), 452-458.
60. Rajesh Dhankhar, Vikram Mor and Shelly Narwal (2015). Anticipated performance index of selected plant species in university campus area, Rohtak, Haryana, India. International journal of advanced multidisciplinary research (IJAMR) 2(2), 32-41. ISSN: 2393-8870. Impact factor- 1.015.
61. Dhankhar R., Mor V., Lilly S., Chopra K. and Khokhar A. (2015) Evaluation of anticipated performance index of some tree species of Rohtak city, Haryana, India. International journal of recent scientific research. 6(3): 2890-2896. ISSN: 0976-3031. SJIF Impact factor- 3.908.
62. Kumar, S., Dhankhar, R.(2015). Assessment of Floristic and avian faunal diversity of Bhindawas Wetland,Jhajjar(Haryana),India. Plant Archives 15(2), 733-740, Scopus
63. Kumar Sunil and Dhankhar Rajesh (2015). Variation in Physico-chemical Characteristics of Water Quality of Bhindawas Wetland, Jhajjar, Haryana, India. Research Journal of Chemical Sciences. Vol. 5(7), 29-34. ISSN 2231-606X.
64. Sakshi Bairagi, Poonam Sangwan, Vikram Mor and Rajesh Dhankhar (2015). Optimization of carboxymethyl cellulase production from vegetable waste by using response surface methodology. International journal of advanced multidisciplinary research (IJAMR) 2(2), 32-41. ISSN: 2393-8870. Impact factor- 0.35.
65. Poonam Sangwan, Vikram Mor, Rajesh Dhankhar and Seema Sukhani (2015). Optimization of process parameters for cellulase and xylanase production using rice husk. International Journal of Pharma and Bio Sciences. Oct; 6(4): (B) 755 – 762. ISSN 0975-6299. Scopus
66. Sunil Kumar and Rajesh Dhakhar (2015). Monitoring of Noise Levels at Various Sites during Winter Season at Bhindawas Wetland, Haryana, India. Current World Environment.
67. Sunil Kumar and Rajesh Dhankhar. (2015) Economic Value Assessment of Bhindawas Wetland, Jhajjar, Haryana. Indian Journal of Environmental Sciences.
68. Vikram Mor, Rajesh Dhankhar, Attri, S. D., Soni, V. K. And Sateesh M. (2016)Wintertime aerosol optical properties and radiative forcing over Rohtak. International Journal of Development Research. 06(08): 9035-9039.
69. Sarita Sheoran and **Rajesh Dhankhar** (2016). Partial purification and Characterization of Amylase from Aspergillus flavus using POD Biomass of Pithecellobium Dulce as substrate.International Journal of Recent Scientific Research 7(4), 10413-10417.

70. Lalita Rana, Sunil Chhikara and Rajesh Dhankhar (2016).Growth and biochemical constituents of an indigenous cyanobacterium affected by metal stress. Environment Conservation Journal. 17(3) 37-43
71. Sarita Sheoran and Rajesh Dhankhar (2016). A Review on Technological Innovations and Cost Effectiveness: A Green Industrial Approach for Amylase Production. Journal of Environmental Science, Computer Science and Engineering & Technology. 5(1), 045-060. Impact factor-2.23
72. Kumar.S., Dhankhar, R., Singh,S.(2017). Analysis of water, sediment quality and total metals accumulation in aquatic vegetation at Bhindawas Wetland, jhajjar Haryana, India. Plant Archives. 17(2), 1139-1145. Scopus
73. Taneja, K., Attri, S.D., Ahmed,S., Mor, V., Dhankhar, R.(2017). Comparative assessment of aerosol optical properties over a mega city and an adjacent urban area in India. Mausam. 64(4), 673-688. Impact factor-1.4, Scopus, Web of Science
74. Gahlot, P., Dhankhar, R., Yadav, P and Vigarniya, M.M. (2019). Challenges of Biomedical Waste Management. Annals of Biology. 35(2): 191-200. Scopus, Web of Science
75. Yadav, P., Dhankhar, R., Chhillar, A and Gahlot, P. (2019). A Review on anaerobic Digestion of wastewater. Annals of Biology. 35(2): 201-208. Scopus, Web of Science
76. Ravindra, K., Singh, T., Mor, S., Singh, V., Kumar, T., Singh, M., Kumar, S., Dhankhar, R., Mor, S., Beig, G. (2019). Real-time monitoring of air pollutants in seven cities of North India during crop residue burning and their relationship with meteorology and transboundary movement of air. Science of the Total Environment. Vol 690, pp: 717-729. Scopus, Web of Science, Impact factor-9.8
77. Chhillar, A., Dhankhar, R., Kalshan, S., Vijarnia, P. and Yadav, P. (2020). Performance Evaluation of Submerged Membrane Bioreactor for Treating Diary Wastewater. Annals of Agri-Bio Research. 25(1), 50-53.
78. Preeti Gahlot, Rajesh Dhankhar and Sunil Chhikara (2020). Removal of fluoride ions from Aqueous solution by effectively using Purolite SSTC-60 Resin. Annals of Agri-Bio Research. 25(2): 247-250.
79. Gahlot, P., Dhankhar, R., Yadav, P and Chhillar, A. (2020). Hydrogeochemical analysis and quality assessment of under groundwater for irrigation and drinking purpose of some specified areas of Mewat district (Haryana), India. Indian journal of Environmental protection.
80. Gahlot, P. and Dhankhar, R. (2020). Fluoride Gradation in groundwater and its diverse effects on rural and urban community of Haryana (India). Plant Archives. 20(2): 3361-3371.
81. Yadav, S and Dhankhar, R. (2020). Assessment of change in soil properties before and after flooding due to the rainy season in bhindawas wetland, Jhajjar, Haryana (India). Indian Journal of science and Technology. 13(20): 2057-2064. https://doi.org/10.17485/IJST/v13i20.689. Web of Science
82. Chhillar, A., Dhankhar, R., Kalshan, S., Vijarnia, P., and Yadav, P. (2020). Performance Evaluation of Submerged Membrane Bioreactor for Treating Dairy Wastewater. Annals of Agri-Bio Research, 25(1), 50-53.

83. Gahlot, P., Dhankhar, R., Chhikara, S. (2020). Removal of fluoride ions from Aqueous solution by effectively using Purolite SSTC-60 Resin. Annals of Agri-Bio Research, 25(2), 247-250. Web of Science
84. Gahlot, P., Dhankhar, R., Yadav, P. and Chhillar, A. (2020). Hydrogeochemical analysis and quality assessment of under groundwater for irrigation and drinking purpose of some specified areas of Mewat district (Haryana), India. Indian journal of Environmental protection. (Accepted on 12March, 2020).
85. Gahlot, P. and Dhankhar, R. (2020). Fluoride Gradation in groundwater and its diverse effects on rural and urban community of Haryana (India). Plant Archives, 20(2), 3361-3371.
86. 5. Yadav, S and Dhankhar, R. (2020). Assessment of change in soil properties before and after flooding due to the rainy season in bhindawas wetland, Jhajjar, Haryana (India). Indian Journal of science and Technology, 13(20), 2057-2064. https://doi.org/10.17485/IJST/v13i20.689 . Web of Science
87. Yadav, S., and Dhankhar, R. (2020). Column Studies of Adsorption by using Dead Biomass of Eichhornia crassipes for Hexavalent Chromium. Research Journal of Chemistry and Environment, 24 (10), 31-41. Web of Science
88. Chhillar, A., Dhankhar, R., Kalshan, S., Preeti and Poonam. (2020). Self-Sustaining Sewage Wastewater Treatment by Immersed Membrane Bioreactor- A Review. Think India Journal, 22(14), 4759-4773.
89. Chhillar, A., Dhankhar, R., Kalshan, S., Yadav, P and Gahlot, P. (2020). Membrane Bioreactor-Ion exchange Hybrid System for Sewage Wastewater Treatment. Purakala. 31(45), 201-212.
90. Chhillar, A., Dhankhar, R., Kalshan, S., Gahlot, P and Yadav, P. (2020). Energy efficient sewage waste water treatment using Nano bubbles technology in aerobic membrane bioreactor. Purakala, 31(21), 800-815.
91. Kumar, S., Dhankhar, R. (2020). Isotherm, Kinetics and Thermodynamic studies of Hexavalent Chromium Adsorption by Using Dead Biomass of Eichhornia crassipes. Oriental Journal of Chemistry, 36(5), 915-922.
92. Kumar, S., Dhankhar, R. (2020). Optimization of experimental factors for hexavalent chromium removal by dead biomass of Water Hyacinth. RASAYAN J. Chem. 13(4), 2376-2384.
93. Mor, V., Dhankhar, R., Attri, S.D. (2021.)Variability in aerosols properties and sources over Rohtak, India. MAUSAM, 72(2), 373-386.
94. Vidisha, Dhankhar, R.(2021). An Analytical study on Municipal Solid Waste Management in India-Special reference to Rohtak City. *International Journal of Engineering Research and Development*, 24(8).
95. Vidisha, Dhankhar, R. Hota, M. (2022). Survey of Household solid waste management in Rohtak: Awareness, Issues and practice. *International Journal of Engineering Research and Development*, 24(8), 2454-1850.
96. Mor, V., Dhankhar, R. (2022). Atmospheric Aerosol Loading and Properties over India: A review. *Pollution*, 8(1), 211-224.

97. Chawla, M., Narwal, S., Dhankhar, R., & Kalshan, S. (2023) Microbial Production of Bioplastics: An Eco-friendly Alternative. Eco. Env. & amp; Cons., pp. (S254-S262)
98. Kalshan, S., Dhankhar, R., Narwal, S., Yadav, P., Chhilar, A., Desondia., M (2023) A systematic Trend on membrane bioreactor for treatment of wastewater: A bibliometric Analysis. Annals of Agri Bio Research (Accepted)
99. Narwal, S., Dhankhar, R., Kalshan, S., Yadav, P., Yadav, A., Deswal, T. (2023) Lignocellulosic Biomass feedstock: A benchmarking green resource for sustainable production of bioplastics. Environment Conservation Journal (DOI: htto:\\doi.org\10.36953\ECJ.XXXXX)

B.II List of articles in popular magazines or news papers
Total Articles: 9

S. No	Date	Title	Name of Magazine / News Paper
1.	7 April, 2022	Clean Environment	Hari Bhoomi, Rohtak
2.	23 April, 2022	Environmental Issues	Hari Bhoomi, Rohtak
3.	17 Sept, 2021	Ozone Depletion	Bhaskar, Hisar
4.	6 June, 2021	Environment Conservation	Amar Ujjala, Rohtak
5.	9 Oct, 2020	Stubble Burning	Amar Ujjala, Rohtak
6.	2 April, 2020	Cleaner Air	Hari Bhoomi, Rohtak
7.	1 May, 2020	Lockdown and Biodiversity	Hari Bhoomi, Rohtak
8.	16 Oct, 2017	To Combat Diwali Pollution	Amar Ujjala, Rohtak
9.	4 Dec, 2022	Forest Fires : A Deep Concern of Extant Era	Kahar Magazine

C. Participation and scholarly presentations in conferences:
Total : 40

C.I. National:

S. No	Date	Title of Conference or Institution	Title/Subject of presentation (if made)
1.	14-15 October, 2019	2nd National Conference on " Science & Technology for Rural Development"	Bioadsorbents
2.	2-3 November, 2018		Wastewater treatment
3.	4-6 March, 2016	3rd Conference of Society of veterinary biochemists and biotechnologists of India (SVBBI)	Women empowerment
4	30-31 October, 2018	Status of India's biodiversity under changing climatic conditions with special reference to semiarid-zone of Bundelkhand region for upliftment	Impacts of Sewage water irrigation
5.	4-5 October, 2018	of rural economy & women empowerment	Green technology and Biofuels
6.	23-24 November, 2012	Global Environment and Social Responsibility sponsored by ICSSR, New Delhi	Bacterial Bioadsorbents for chromium for biotransformation in aqueous solution
		Environment and Ecological sustainability organised by SOITS , IGNOU	Biofuel Production
		Amalgamating Science and technology, KUK	
7	3-7 January, 2010	Indian Science Congress, Thiruvanathapuram, Kerala	Impact of refinery effluent on heavy metals of the soil of Haryana

8	3-7 January, 2011	Indian Science Congress, SRM University, Chennai	Cyanobacteria as a tool for the removal of pollutants in sewage wastewater
9	3-7 January, 2004		
10	9-11 February, 2009	Indian Science Congress, Punjab University, Chandigarh	Effect of thermal power plant effluent on photosynthetic pigments of *Zea Mays*
11	21-23 september 2022	International Conference on Changing Environmental Trends and Sustainable Development	Copper stress induced physiochemical changes in *Vigna mungo*
12	16 June, 2022	62nd annual international conference of AMI, University of Mysore	Challenges in production of plastics
		Industrial Decarbonisation summit, 2022 by IMD New Delhi	Decarbonisation

C.II International:

S. No	**Date**	**Title of Conference or Institution**	**Title/Subject of presentation (if made)**
1	**18-21 Nov, 2015**	2nd international Conference on Sustainable Ecosystem and Environment" in Dubai	Optimization of cellulase production using *Trichoderma atroviride* by Response Surface Methodology.
2	**1-5 July, 2019**		
3		SEGH International Conference on Sustainable Geochemistry in Manchester Metropolitan University, UK	Wastewater assessment by membrane bioreactor
4	**1-2 March, 2014**		
	27th june – 2ND July 2010	International Conference on Micro Nano Devices , Structures and computing systems in Singapore	Bioconversion of water hyacinth to ethanol by using cellulose from *trichoderma atroviride* AD-130 "
		Environmental quality and human health in national university of Ireland, Galway	Effect of heavy metals on growth rate characteristics of isolated species from sewage soil of Rohtak city, Haryana, India

D. Participation and contribution in National/ International Fora in the area of your academic and professional expertise.

		Numbers
Plenary Lectures/ Invited Talks	**International**	**5**
	National	**65**
Congresses attended	**International**	**5**
	National	**25**
Examinership etc.	**International**	**-**
	National	**50**
Others (Specify)	**International**	**-**
	National	**-**

9. Research Projects

S.No.	Client/Organization's name	Nature of project	Duration of Project	Amount of Grant (Rupees)
1.	**D.S.T. New Delhi**	**(D.S.T.F.I.S.T.) To strengthen the research activities in the department**	**5 years**	**60 Lakh**
2.	**U.G.C., New Delhi**	**Innovative programme**	**5 years**	**30 Lakh**
3.	**U.G.C., New Delhi**	**Research**	**3 years**	**10 Lakh**
4.	**D.S.T., Haryana**	**Research**	**2 years**	**9 Lakh**

10. Consulting experience:

List consulting assignments undertaken

S.No	Client/Organization's name	Nature of assignment	Duration of assignment
1.	**CDLU Sirsa**	Syllabus modification	1 day
2.	**DCRUST, Murthal**	syllabus modification	1 day
3	**UKPSC, Haridwar, UK**	Syllabus formation, evaluator, moderator for examination	Since 2012
4.	**Haryana Government**	Water and Soil analysis of Bhindawas Wetland	1 year
5.	**Local Farmers**	Soil and water analysis	As per requirement

11. Honours

S. NO.	Name of Award/ Fellowship etc.	Elected/ Honorary Fellow	Awarded by	Year of award
1.	The Excellence in Research Award	Honorary	I.A.R.S	2020
2.	Leadership for Executive Academicians Programme	Honorary	M.H.R.D.	2018
3.	Fellow of Academy of Sciences for animal welfare	Fellow	Academy of Sciences for animal welfare	2002
4.	University Research Fellowship	Honorary	M.D.U.	1989
5.	Best poster presentation	Honorary	GJU, Hisar	2009

12. Number of Research Scholars successfully guided:

Name of Programme	Awarded (No.)
Ph. D. In Environmental Sciences	**21**