

Bio-data

Name	Dr Sunil Kumar	
Date of Birth	09/01/1977	
Designation	Professor	
Nature of appointment	Regular	
Faculty	Life Sciences	
Department/Centre/Institute	Environmental Science	
Date of Joining in the University	15/01/2009	
Date of Retirement	31/01/2037	
Contact Details	Mobile No.	9466256869
	Email id	sunilevs@yahoo.com , sunil.evs@mdurohtak.ac.in

1. Educational Qualifications (10th and onwards)

S. No.	Degree/ Certificate	Board / University	Passing year
1.	Matric	B.S.E.H, Bhiwani	1993
2.	10+2	B.S.E.H, Bhiwani	1995
3.	B.Sc.	M.D.University, Rohtak	1998
4.	M.Sc.	GJUS&T Hisar	2001
5.	M.Tech	GJUS&T Hisar	2003
6.	PhD	MDU, Rohtak	2012

3. Teaching/Research experience

S. No.	Post	Name of Institution	Period	
			From	To
1.	Assistant Professor	Maharshi Dayanand University, Rohtak	14/09/2009 to 14/01/2021	
2.	Associate Professor	Maharshi Dayanand University, Rohtak	15/01/2021 to 14/01/2024	
3.	Professor	Maharshi Dayanand University, Rohtak	15/01/2024 to till date	

4. Details of Research Achievements

h-index (Google/SCOPUS)	15
Google Scholar link	https://scholar.google.com/citations?hl=en&user=sAurJTgAAAAJ
ORCID ID (if any)	https://orcid.org/0000-0002-7273-3911
LinkedIn ID (if any)	--
Scopus ID	57213856715
Any other	--

S. No.	Year	Particulars / Details	Link to Article	Impact Factor (if any)
1.	2026	Ahlawat N, Panghal V, Chaudhary P, Nandal AR, Kumar S, Giri A, Kumar S. (2026) Microbial fuel cell-assisted constructed wetlands for wastewater treatment and energy recovery: advances, performance trends, and future directions, <i>Bioprocess and Biosystem Engineering</i> , https://doi.org/10.1007/s00449-026-03391-x	https://link.springer.com/article/10.1007/s00449-026-03391-x	4.3
2.	2025	Choudhary P, Arora D, Ahlawat N, Arya SS, Kumar S. (2025) Unleashing the feasibility of zinc oxide nanoparticles in heavy metals phytoremediation: a critical review, <i>International Journal of Phytoremediation</i> , https://doi.org/10.1080/15226514.2025.2591179	https://www.tandfonline.com/doi/full/10.1080/15226514.2025.2591179	3.1
3.	2025	Ahlawat N, Panghal V, Choudhary P, Hooda V, Arya SS, Kumar S. (2025) Biochar-amended vertical flow constructed wetlands: a green technology for dairy wastewater treatment, <i>Ecology, Environment and Conservation</i> , 31(4), 1358-1366 (Web of Science Indexed)	https://www.envirobiotechjournals.com/issues/article_abstract.php?aid=16421&iid=431&jid=3	
4.	2025	Choudhary P, Arora D, Hooda V, Arya SS, Kumar S. (2025) Zinc oxide nanoparticles: a comparative study of structural and optical properties of green and chemically synthesized nanoparticles, <i>Ecology, Environment and Conservation</i> , 31(4), 1380-1389 (Web of Science Indexed)	https://www.envirobiotechjournals.com/issues/article_abstract.php?aid=16424&iid=431&jid=3	
5.	2025	Khatri A, Panghal V, Singh A, Sharma S, Bhateria R, Kumar R, Arya SS, Kumar S. (2025) Evaluating water quality of village ponds using water quality index and multivariate statistical techniques: A case study of Rohtak Block, Haryana, India, <i>Asian Journal of Chemistry</i> , 37(3), 653-660. (Web of Science Indexed)	https://asianpubs.org/index.php/ajchem/article/view/37_3_18	--
6.	2024	Panghal V, Singh A, Hooda V, Arora D, Bhateria R, Kumar S. (2024) Recent progress, challenges, and future prospects in constructed wetlands employing biochar as a substrate: a comprehensive review, <i>Environmental Science and Pollution Research</i> , https://doi.org/10.1007/s11356-024-35846-7 . (Web of Science Indexed)	https://link.springer.com/article/10.1007/s11356-024-35846-7	
7.	2024	Kumar A, Yadav N, Sawariya M, Kumar N, Mehra H, Kumar S, Arya SS. (2024) Unveiling the effect of EDTA and SA in Mustard under Cd and Pb stress, <i>Ecology Environment and Conservation</i> , 30 (3), 324-333. (Web of Science Indexed)	https://www.researchgate.net/publication/384225907_Unveiling_the_Effect_of_EDTA_and_SA_in_Mustard_under_Cd_and_Pb_Stress	
8.	2024	Panghal V, Singh A, Arora D, Ahlawat N, Arya SS, Kumar S. (2024) Horizontal flow biochar amended constructed wetlands as a sustainable approach for rural wastewater treatment, <i>The Scientific Temper</i> , 15(3), 2954-2960. (Web of Science Indexed)	https://scientifictemper.com/index.php/tst/article/view/1580	
9.	2024	Arora A, Kumar S, Arora A, Panghal V (2024) Synergistic impacts of synthesized zero-valent iron nanoparticles (nZVI) on phytoremediation of lead (Pb) contaminated soil using <i>Tagetes erecta L.</i> <i>Journal of Applied and Natural Science</i> , 16(4), 1618-1626. (Web of Science Indexed)	https://journals.ansfoundation.org/index.php/jans/article/view/6050	

10.	2024	Panghal V, Singh A, Arora D, Kumar S. (2024) Biochar-modified constructed wetlands using <i>Eclipta alba</i> as a plant for sustainable rural wastewater treatment. <i>Environmental Science and Pollution Research</i> , Doi.org/10.1007/s11356-024-32144	https://link.springer.com/article/10.1007/s11356-024-32144-0	5.8
11.	2024	Monika, Dimple, Kumar S. Giri A. (2024) A Watering Sunderban's fields: a systematic review of groundwater and surface water suitability for irrigation. <i>Applied Water Science</i> , Doi.org/10.1007/s13201-024-02122-59	https://link.springer.com/article/10.1007/s13201-024-02122-5	5.7
12.	2024	Yadav N, Kumar A, Sawariya M, Kumar N, Mehta H, Kaur V, Kumar S , Arya SS. (2024) Effect of GA ₃ and calcium on growth, biochemical and fatty acid composition of linseed under chloride-dominated salinity. <i>Environmental Science and Pollution Research</i> , Doi.org/10.1007/s11356-024-32325-x	https://link.springer.com/article/10.1007/s11356-024-32325-x	5.8
13.	2024	Kumar A, Yadav N, Sawariya M, Kumar N, Mehta H, Kumar S , Arya SS. (2024) Assessing the role of EDTA and SA in mustard under Cd and Pb stress. <i>The Scientific Temper</i> , 1949-1956	https://scientifictemper.com/index.php/tst/article/view/1206	
14.	2024	Dhaka R, Kataria N, Kee PE, Ayyamperumal R, Ethiraj B, Kumar S, Khoo KS, Bhateria R (2024) Biosorption of lead (II) ions by lead-tolerant fungal biomass isolated from electroplating industry effluent. <i>International Journal of Environmental Science and Technology</i> , doi.org/10.1007/s13762-024-05796-1x	https://link.springer.com/article/10.1007/s13762-024-05796-1	3.0
15.	2024	Arora D, Arora A, Panghal V, Singh A, Bala R, Kumari S, Kumar S. (2024) Unleashing the Feasibility of Nanotechnology in Phytoremediation of Heavy metals Contaminated Soil: A Critical Review toward Sustainable Approach. <i>Water Air Soil Pollution</i> , 235:57 doi.org/10-1007/s11270-023-06874-9	https://link.springer.com/article/10.1007/s11270-023-06874-9	2.9
16.	2023	Singh, A, Arora D, Bala R, Khokhar A, Kumar S. (2023) Lanthanum nanoparticle (La ₂ O ₃)- loaded adsorbents for removal of hexavalent chromium: a kinetics, isotherm, and thermodynamic study. <i>Environmental Science and Pollution Research</i> . Doi.org/10.1007/s11356-023-29834-6	https://link.springer.com/article/10.1007/s11356-023-29834-6	5.8
17.	2023	Arora D, Arora A, Bala R, Panghal V, Kumar S. (2023) Enhancement in Phytoremediation Efficiency of <i>Tagetuserecta</i> with the Application of Nano-scale Zero Valent Iron (NZVI) for the Restoration of Lead Contaminated Soil: an Approach Toward Sustainability. <i>Water Air Soil Pollution</i> , 234:535	https://link.springer.com/article/10.1007/s11270-023-06540-0	2.9
18.	2023	Arora D, Arora A, Singh A, Agarwal R, Bala R, Kumar S (2023) Evaluating the applicability of <i>Brachiariamutica</i> (Forssk.) (Paragrass) and <i>Cyperusrotundus</i> L (Nutgrass) as bioadsorbents to remove Cr (VI): isotherms, kinetics, and thermodynamic studies. <i>Sustainable Water Resource Management</i> , 9: 168	https://link.springer.com/article/10.1007/s40899-023-00949-5	2.1
19.	2023	Pangal V. Bhateria R, Kumar R, Arya SS, Kumar S. (2023) Assessment of Ground and Surface Soil using Multivariate Statistical Techniques and Contamination Indices: A study of Gurugram Millennium City, Haryana, India. <i>Journal of Geological Society of India</i> , 99, 430-437.	https://link.springer.com/article/10.1007/s12594-023-2327-8	1.3
20.	2023	Kumar S , Bhateria R, Arya S. (2023) Assessing the Environmental Impact of Heavy Metal Contamination in Water, Sediments, and Aquatic Vegetation of River Yamuna in Delhi. <i>Indian Journal of Science and Technology</i> , 16(44):4090-4097. (Web of Science Indexed)	https://indjst.org/article/s/assessing-the-environmental-impact-of-heavy-metal-contamination-in-water-sediments-	

			and-aquatic-vegetation-of-river-yamuna-in-delhi	
21.	2022	Singh A, Kumar S. (2022) Application of Aquatic Plants Dead Biomass in Remediation of Heavy Metals Pollution By Adsorption: A Review. <i>Indian Journal of Science and Technology</i> , 15(16): 729-735. (Web of Science Indexed)	https://indjst.org/articles/application-of-aquatic-plants-dead-biomass-in-remediation-of-heavy-metals-pollution-by-adsorption-a-review	
22.	2022	Sharma Y, Kumar S , Bhateria R. (2022) Analyzing the Efficiency of Di-FeNPs in Removal of Methyl Orange Dye using Statistical Approach. <i>Indian Journal of Science and Technology</i> , 15(21):1032-1040. (Web of Science Indexed)	https://indjst.org/articles/analyzing-the-efficiency-of-di-fenps-in-removal-of-methyl-orange-dye-using-statistical-approach	
23.	2022	Arora D, Arora A, Singh A, Agarwal R, Kumar S. (2022) Usability of <i>Brachiaria mutica</i> (para grass) and <i>Cyperus rotundus</i> (nut grass) as bioadsorbents for the removal of methylene blue from aqueous solution: isotherms, kinetics, and thermodynamics studies. <i>Sustainable Water Resource Management</i> , 9: 168	https://link.springer.com/article/10.1007/s40899-022-00734-w	2.1
24.	2021	Panghal V, Singh A, Kumar R, Kumari G, Kumar P, Kumar S. (2021) Soil heavy metals contamination and ecological risk assessment in Rohtak urban area, Haryana (India). <i>Environmental Earth Sciences</i> , 80:731	https://link.springer.com/article/10.1007/s12665-021-10028-7	2.8
25.	2021	Singh A, Panghal V, Kumar S. (2021) Adsorption of chromium (Cr ⁶⁺) on dead biomass of <i>Salvinia molesta</i> (Kariba weed) and <i>Typha latifolia</i> (broadleaf cattail): isotherm, kinetic, and thermodynamic study. <i>Applied Water Science</i> , 11:149 https://doi.org/10.1007/s00604-023-05984-9	https://link.springer.com/article/10.1007/s13201-021-01481-7	5.5
26.	2020	Kumar S. and Dhankhar R. (2020) Isotherm, Kinetics and Thermodynamic Studies of Hexavalent Chromium Adsorption by Using Dead Biomass of <i>Eichhornia crassipes</i> . <i>Oriental Journal of Chemistry</i> , 36:915-922 (Web of Science Indexed)	https://www.orientjchem.org/vol36no5/isotherm-kinetics-and-thermodynamic-studies-of-hexavalent-chromium-adsorption-by-using-dead-biomass-of-eichhornia-crassipes/	
27.	2020	Kumar S. and Dhankhar R. (2020) Optimization of experimental factors for Hexavalent Chromium removal by dead biomass of water Hyacinth. <i>Rasayan Journal of Chemistry</i> , 13(4):2376-2384 (Scopus Indexed)	hrome-extension://efaidnbmnibpcajpcglclefindmkaj/https://rasayanjournal.co.in/admin/php/upload/2989_pdf.pdf	

28.	2020	Kumar S. , Kumar J., Singh S., Kumar S. and Arya S. S. (2020) Lead (Pb) phytoremediation potential assessment of <i>Brachiariamutical</i> (para grass) and <i>Cyperusrotundus</i> l (nut grass) from aqueous solution. <i>Plant Archives</i> , 20(2):6051-6056 (Scopus Indexed)	https://www.cabidigital.library.org/doi/pdf/10.5555/20220148875	
29.	2020	Kumar S., Singh A., Panghal V. and Kumar S. (2020) Assessment of heavy metals contamination in drains water and aquatic plants of Rohtak and Bahadurgarh (Haryana), india. <i>Plant Archives</i> , 20(2): 6421-6427 (Scopus Indexed)	https://www.cabidigital.library.org/doi/pdf/10.5555/20220148937	
30.	2020	Kumar S. and Dhankhar R. (2020) Column studies of adsorption by using dead biomass of <i>Eichhornia crassipes</i> for Hexavalent Chromium. <i>Research Journal of Chemistry and Environment</i> , 24(10): 31-38 (Scopus Indexed)	https://www.worldsresearchoassociation.com/	
31.	2020	Kumar S., Singh A., Vishal, Singh B., Mor V. and Kumar S. (2020) Heavy metals toxicity and their remediation through phytotechnology: A review. <i>Plant Archives</i> , 20(1): 3174-3186 (Scopus Indexed)	https://www.cabidigital.library.org/doi/ful1/10.5555/20219823019	
32.	2020	Kumar 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). <i>Indian Journal of Science and Technology</i> , 13(20): 2057-2064 (Web of Science Indexed)	https://indjst.org/article/s/assessment-of-change-in-soil-properties-before-and-after-flooding-due-to-the-rainy-season-in-bhindawas-wetland-jhajjar-haryana-india	
33.	2019	Singh A., Kumar S., Panghal V., Arya S.S. and Kumar S. (2019) Utilization of unwanted terrestrial weeds for removal of dyes. <i>Rasayan Journal of Chemistry</i> , 12(4): 1956-1963 (Scopus Indexed)	chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://rasayanjournal.co.in/admin/php/upload/792_pdf.pdf	
34.	2019	Yadav S., Bansal S. K., Yadav S. and Kumar S. (2019) Fluoride distribution in underground water of district Mahendergarh Haryana, India. <i>Applied Water Science</i> , 9:62 DOI: 10.1007/s13201-019-0935-7	https://link.springer.com/article/10.1007/s13201-019-0935-7	5.5
35.	2017	Kumar S. , Dhankhar R. and Singh S. (2017) Analysis of water, sediment quality and total metals accumulation in aquatic vegetation at Bhindawas wetland, Jhajjar Haryana, India. <i>PlantArchives</i> ,17(2):1139-1145 (Scopus Indexed)	https://www.cabidigital.library.org/doi/pdf/10.5555/20183312136	
36.	2017	Kumar S. Lata S.,Yadav J. and Yadav J.P. (2017) Relationship between water, urine and serum fluoride and fluorosis in school children of Jhajjar District, Haryana, India. <i>Applied Water Science</i> , DIO10.1007/s13201-016-0492-2.	https://link.springer.com/article/10.1007/s13201-016-0492-2	5.5
37.	2016	Amarjeet, Poonam, Kumar S. and Kumar S. (2016) Ground water quality assessment of rural habitation at Meham block, Rohtak, Haryana (India): Focused on fluoride and nitrate. <i>International Journalof Pharma and BioSciences</i> ,7(2):(B) 568-574.(Scopus Indexed)	https://www.ijpbs.net/abstract.php?article=NTA5OQ==	
38.	2015	Kumar S. and Dhankhar R. (2015) Assessment of floristic and avian faunal diversity of Bhindawas wetland, Jhajjar Haryana (India). <i>Plant Archives</i> ,	https://www.cabidigital.library.org/doi/pdf/10.5555/2016308	

		15(2):733-740(Scopus Indexed)	9037	
39.	2015	Kumar S. and Dhankhar R. (2015) Monitoring of Noise Levels at Various Sites during Winter Season at Bhindawas Wetland, Haryana, India. <i>Current World Environment</i> ,10(3): 807-812. (Web of Science Indexed)	https://www.cwejournal.org/vol10no3/monitoring-of-noise-levels-at-various-sites-during-winter-season-at-bhindawas-wetland-haryana-india	
40.	2012	Kumar S. and Dhankhar R. (2012) Trophic State Index and Assessment of Water Quality for Domestic and Agriculture Purpose of Bhindawas Wetland, Jhajjar, Haryana(India). <i>Annals of Biology</i> , 28(2): 144-151. (Scopus Indexed)	https://www.cabidigitalibrary.org/doi/pdf/10.5555/20133055187	
41.	2010	Panghal M., Arya V.,Yadav S., Kumar S. ,Yadav J.P. (2010) Indigenous Knowledge of Medicinal plants used by Saperas Community of Khetawas Jhajjar District, Hayana, <i>Journal Ethnobiology Ethnomedicine</i> 6,4. https://doi.org/10.1186/1746-4269-6-4	https://link.springer.com/article/10.1186/1746-4269-6-4	3.6
42.	2008	Yadav,J.P., Lata S. and Kumar S. (2008) Fluoride distribution in underground drinking water sources of Jhajjar district, Haryana, India. <i>Environment Geochemistry and Health</i> . 31:431-438.	https://link.springer.com/article/10.1007/s10653-008-9196-3	4.8
43.	2008	Kumar S. , Gupta, A. and Yadav, J.P. (2008) Removal of fluoride by thermally activated carbon prepared from neem(<i>Azadirachta indica</i>) and kicar (<i>Acacia arabica</i>) leaves. <i>Journal of Environment Biology</i> , 29(2):227-232	https://pubmed.ncbi.nlm.nih.gov/18831380/	0.67
44.	2007	Kumar, S. , Gupta, A. and Yadav, J. P. (2007) Fluoride removal by mixtures of activated carbon prepared from Neem (<i>Azadirachta indica</i>) and Kikar (<i>Acacia arabica</i>) leaves. <i>Indian Journal of Chemical Technology</i> ,14:355-361.	https://nopr.niscpr.res.in/handle/123456789/1132	0.5
45.	2003	Yadav, J. P., Lata S. and Kumar S. (2003) Pollution and dental fluorosis in Matanhail block of Jhajjar District, Haryana, India. <i>International Journal of Medical Toxicology.& Legal Medicine</i> .6 (1): 37-42.(Scopus Indexed)	https://pubmed.ncbi.nlm.nih.gov/14515029/	
Papers in other than scopus/web of science journals				
46.	2018	Yadav S., Bansal S. K., Kumar S. and Yadav S. (2018) Prevalence of Fluorosis among school going children in district Mahendergarh, Haryana, India. <i>International Journal of Basic and Applied Research</i> , 8(9): 1349-1363.	https://www.researchgate.net/publication/382086307_International_journal_of_basic_and_applied_research_Prevalence_of_Fluorosis_Among_School_Going_Children_in_District_Mahendergarh_Haryana_India	
47.	2018	Yadav S., Bansal S.K and Kumar S. (2018) Occurrence of Fluoride in Aqueous Environment: A Review. <i>The Konkan Geographer</i> , 17: 113-115.	--	
48.	2015	Kumar S. and Dhankhar R. (2015) Economic value assessment of Bhindawas wetland, Jhajjar Haryana (India). <i>Indian Journal of Environmental Sciences</i> ,	--	

		19(1&2):5-10.		
49.	2015	Kumar S. and Dhankhar R. (2015) Variation in physico-chemical characteristics of water quality of Bhindawas Wetland, Jhajjar, Haryana (India). <i>Research Journal Chemical Science</i> ,(7):29-34.	chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://www.isca.me/rjcs/Archives/v5/i7/5.ISCA-RJCS-2015-089.pdf	
50.	2015	Meenakshi, Anuradha, Shashi, Dhankar S., Kanupriya, Kumar S. Arya S.S. (2015) Effect of salinity on plant water status, solute accumulation and distribution in wheat (<i>Triticum aestivum</i> L.) genotypes. <i>International Journal of Research</i> , 2(3):96-109.	--	
51.	2015	Amarjeet, Kumar S., Arya S.S. Kumar S. (2015) Ground water suitability for domestic and irrigation purpose at villages of Meham block, Rohtak, India. <i>International Journal of Research</i> , 2(2):666-680.	--	
52.	2013	Saini S., Kumar S and Yadav J.P. (2013) Isonymic Electrophoretic Patterns of <i>Salvadorapersica</i> . <i>Biojournal</i> , 8(1): 70-75.	--	
Book Chapters/other than research papers				
53.	2023	Singh A., Kumar S. (2023) Utilization of Aquatic Plants Dead Biomass in Adsorption of Heavy Metals from Wastewater, In Grace A.N., Sonar p., Bhardwaj P., Chakravorty A.(eds) Handbook of Porous Carbon Materials, 655-668, Springer Nature Singapore Pvt Ltd.	https://link.springer.com/chapter/10.1007/978-981-19-7188-4_24	
54.	2022	Yadav, N. Monika, Kumar A., Kumar N., Mamta, Heena, Kumar S. , Arya S.S (2022). Impacts on Plant Growth and Development Under Stress. In: Vaishnav, A., Arya, S., Choudhary, D.K. (eds) Plant Stress Mitigators. Springer, Singapore. https://doi.org/10.1007/978-981-16-7759-5_4	https://link.springer.com/book/10.1007/978-981-16-7759-5	
55.	2022	Monika, Yadav N. Monika, Kumar A., Kumar N., Mamta, Heena, Kumar S. , Arya S.S (2022). Arbuscular Mycorrhizal Fungi: A Potential Candidate for Nitrogen Fixation. In: Vaishnav, A., Arya, S., Choudhary, D.K. (eds) Plant Stress Mitigators. Pp 217-233. Pp 61-100. Springer, Singapore. https://doi.org/10.1007/978-981-16-7759-5_11	https://link.springer.com/chapter/10.1007/978-981-16-7759-5_11#DOI	
56.	2022	Yadav N. Monika, Kumar A., Kumar N., Mamta, Heena, Kumar S. , Arya S.S. (2022) Microbe-Mediated Amelioration of Salinity Stress in Crop . In: Vaishnav, A., Arya, S., Choudhary, D.K. (eds) Plant Stress Mitigators. Pp 429-450. Springer, Singapore	https://link.springer.com/chapter/10.1007/978-981-16-7759-5_20#DOI	
57.	2022	Bhateria R., Rimmy, Yogita, Kumar S. (2022) Role of Plant-Microbe Interactions in Combating Salinity Stress. In: Vaishnav, A., Arya, S., Choudhary, D.K. (eds) Plant Stress Mitigators. Pp 459-480. Springer, Singapore	https://link.springer.com/chapter/10.1007/978-981-16-7759-5_13	
58.	2022	Singh R, Kumar S. , Bhateria R. (2022) Recent Trends in Synthesis and Application of GO-Based Nanomaterials	https://link.springer.com/chapter/10.1007/978-981-16-7759-5_13	

		in Environmental Remediation. In: Rai JPN., Sarawat S (eds) Nano-biotechnology for Waste Water Treatment Theory and Practices. Pp 151-170.	7/978-3-031-00812-2_6	
59.	2020	Mamta, Kumar A., Kumar N., Kumar S. , Monika, Heena, Arya S. S. (2020) Salinity: Distribution and Impacts on Plants. In S. Gurumurthy and S.S. Jinus(Eds.) Management of Abiotic Stress in Crop Plants, 41-73, IP Innovative Publication Pvt. Ltd	https://books.ipinnovative.com/books/102/management-of-abiotic-stress-in-crop-plants/toc	
60.	2019	Arya SS., Devi S., Ram K., Kumar S. , Kumar N., Mann A., Kumar A., Chand G. (2019). Responses and Utilization of Halophytes. In M. Hasanuzzaman et al. (Eds.) Ecophysiology, Abiotic Stress Responses, 271-287, Springer Nature Singapore Pvt Ltd.	https://dokumen.pub/ecophysiology-abiotic-stress-responses-and-utilization-of-halophytes-1st-ed-978-981-13-3761-1978-981-13-3762-8.html	
61.	2017	Kumar S. (2017). Air Pollution Monitoring, Modeling and Control. In B.R Gurjar and P. Kumar (Ed). Environmental Science and Engineering Vol.3: Air and Noise Pollution(pp1-31) Studium Press LLC. ISBN1-62699-091-3	--	

5. Research & consultancy Projects

S. No.	Year	Details	Status
1.	2012	Environmental Status of Bhindawas wetland, Haryana	completed
	2020	Heavy metal content of Gurugram urban area	completed

6. Research Supervision Overview

S. No.	Level	Degree Awarded	Thesis Submitted
1	Ph.D.	06	
2	P.G.	More than 100	
3	U.G.		

7. Patents/technology developed

S. No.	Year	Particulars / Details	Published/Granted

8. Honors & Awards

S. No.	Title of Award	Awarding Agency	Particulars / Details

9. Details as Resource person (Seminar / Conference / Lectures delivered etc.)

S. No.	Details	Number in total	
		National	International
a	Seminar	1	
b	Conference	1	
c	Workshops	1	
d.	Any other	2	

10. Membership details of Statutory Committees of this University

S. No.	Period	Particulars / Details
1.	2015	Working as Boys Hostel warden
	2024	Expert Member of PGBOS in IGU Rewari
	2024	Member of Academic counsel, MDU
	2025	Member of PGBOS Environmental Science, MDU

11. Any other Achievements:

S. No.	Period	Particulars / Details
1.	2026	Member of Wildlife Life Society of India