


Curriculum Vitae

Name: Dr. Sandeep Kumar Malyan Present Position: Senior Programme Officer (SPO), Research Management and Outreach Division, National Institute of Hydrology, Roorkee, 247667, Uttarakhand, India Email: sandeepkmalyan@gmail.com Contact number: +919411077730 Mobile no: +919045280027						
Correspondence address			Sandeep K. Malyan C/o Raj Kumar, House no- 2B/2261/2, Shivaji Nagar, Near New Naveen Nagar, Saharanpur -247001, India			
Date of birth			28-03-1988			
Gender			Male			
Research area			Greenhouse gases emission mitigation from wetlands, and Water quality and wastewater treatment			
Academic Qualification (Undergraduate Onwards)						
S. No.	Degree	Year	Subject	University	% of marks	
1.	B.Sc.	2009	Chemistry, Botany, Zoology	MS College, Saharanpur/ CCS University, Meerut	55.03	
2.	M.Sc.	2011	Environmental Sciences	Main Campus/ CCS University, Meerut	71.33	
3.	Ph.D.	2017	Environmental Sciences	IARI, New Delhi	74.40	
Ph.D. details						
Ph.D. thesis title			Reducing methane emission from rice soil through microbial interventions			
Awards and Fellowships			1. UGC-NET(JRF) (Environmental Science) December 2011 2. ICAR-NET(Environmental Science) February, 2013 3. CSIR-NET (Earth Science) June 2013 4. ARO-Postdoctoral Fellowship-India and China (2017), Ministry of Agriculture and Rural Development, Israel 5. ICAR-Jawaharlal Nehru Award for P.G. Outstanding Doctoral Thesis Research in Agricultural and Allied Sciences 2018 - Natural Resource Management.			
Professional Recognition			1. Society for Conservation of Nature (Life Member no: LM/K/024) 2. Indian Association of Soil and Water Conservation (Life Member no: LM2157) 3. Society for Agriculture Innovation & Development (Life Member no: LM/183/MSL)			
Academic/ Research Positions						
1. Senior Programme Officer (SPO) in Research Management and Outreach Division, National Institute of Hydrology, Roorkee, 247667, Uttarakhand, India, from 22-01-2020 to till date. 2. Postdoctoral Fellow in Institute of Soil, Water and Environmental Sciences, The Volcani Center, Agricultural Research Organization (ARO), Rishon LeZion-7505101, Israel, from 4-07-2018 to 21-01-2020.						

3. Research Associate in Environmental Hydrology Division, National Institute of Hydrology, Roorkee, 247667, Uttarakhand, India, from 04-12-2017 to 29-06-2018.					
Publications					
Total no. of manuscript published: 49 Google scholar citation till date- 901 [with h-index 16 and i10-index 23] Publication in journals: 38 [Cumulative impact factor: 134.386] Book chapters: 11					
S. No.	Author's (Year)	Title	Name of Journal (IF)	Vol.	Page no
1.	Sandeep K Malyan , Smita S Kumar, Ram Kishor Fagodiya, Pooja Ghosh, Amit Kumar, Rajesh Singh, Lakhveer Singh (2021)	Biochar for Environmental Sustainability in the Energy-Water-Agroecosystem Nexus	Renewable and Sustainable Energy Reviews (IF:12.110) (ISSN:1364-0321)	149	111379
2.	Sandeep K Malyan , Shweta Yadav, Vikas Sonkar, VC Goyal, Omkar Singh, Rajesh Singh (2021)	Mechanistic understanding of the pollutant removal and transformation processes in the Constructed Wetland System	Water Environment Research (IF:1.369) (ISSN-1554-7531)		https://doi.org/10.1002/wer.1599
3.	Kumar A., Yadav AN., Mondal R., Kour D., Subrahmanyam G., Shabnam AA., Khan SA., Yadav KK., Sharma GK., Carbral-Pinto M., Fagodiya RK., Gupta DK., Hota S., Malyan SK. (2021)	Myco-remediation: A mechanistic understanding of contaminants alleviation from natural environment and future prospect	Chemosphere (IF:5.778) (ISSN- 0045-6535)		DOI: 10.1016/j.chemosphere.2021.131325
4.	Sandeep K Malyan , Arti Bhatia, Ram Kishor Fagodiya, Smita S Kumar, Amit Kumar, Dipak Kumar Gupta, Ritu Tomer, Ramesh Chand Harit, Vinod Kumar, Himanshu Pathak (2021)	Plummeting global warming potential by inorganic interventions in irrigated rice: A lab to field assessment	Agriculture, Ecosystems & Environment (IF: 4.241) (ISSN-0167-8809)		https://doi.org/10.1016/j.agee.2021.107545
5.	Sandeep K Malyan , Arti Bhatia, Ritu Tomer, Ramesh Chand Harit, Niveta Jain, Arpan Bhomik, Rajeev Kaushik (2021)	Mitigation of yield-scaled greenhouse gas emissions from irrigated rice through Azolla, Blue-green algae, and plant growth-promoting bacteria	Environmental Sciences Pollution Research (IF:3.056) (ISSN- 0944-1344)		DOI: 10.1007/s11356-021-14210-z

6.	Amit Kumar, Dharmendra K Jigyasu, Amit Kumar, Gangavarapu Subrahmanyam, Raju Mondal, Aftab A Shabnam, Cabral-Pinto M. M.S., Sandeep K Malyan , Ashish K. Chaturvedi, Dipak Kumar Gupta, Ram Kishor Fagodiya, Shakeel A Khan, Arti Bhatia (2021)	Nickel in terrestrial biota: Comprehensive review on contamination, toxicity, tolerance and its remediation approaches	Chemosphere (IF:5.778) (ISSN- 0045-6535)	275	129996
7.	Mona Sharma, Sandeep K. Malyan , Neha Sharma, Deep Bansal, Arivalagan Pugazhendhi, Smita S. Kumar (2021)	Towards sustainable agriculture with carbon sequestration, and greenhouse gas mitigation using Algal biochar	Chemosphere (IF:5.778) (ISSN- 0045-6535)	275	129856
8.	Mihir Tanay Das, Smita S Kumar, Pooja Ghosh, Goldy Shah, Sandeep K Malyan , Somvir Bajar, Indu Shekhar Thakur, Lakhveer Singh (2021)	Remediation strategies for mitigation of phthalate pollution: Challenges and future perspectives	Journal of Hazardous Materials (IF:9.038) ISSN-0304-3894)	409	124496
9.	Amit Kumar, Gangavarapu Subrahmanyam, Raju Mondal, MMS Cabral-Pinto, Aftab A Shabnam, Dharemendra K Jigyasu, Sandeep K Malyan , Ram Kishror-Fagodiya, Shakeel A Khan, Amit Kumar, Zhi-Guo Yu (2021)	Bio-remediation approaches for alleviation of cadmium contamination in natural resources	Chemosphere (IF:5.778) (ISSN- 0045-6535)	268	128855
10.	Amit Kumar, Kristina Medhi, Ram Kishor Fagodiya, G Subrahmanyam, Raju Mondal, Pushpanathan Raja, Sandeep Kumar Malyan , Dipak Kumar Gupta, Himanshu Pathak (2020)	Molecular and ecological perspectives of nitrous oxide producing microbial communities in agro-ecosystems	Reviews in Environmental Science and Bio/Technology (IF:4.957) (ISSN-1569-1705)	19	717-750
11.	Ram Kishor Fagodiya, Himanshu Pathak, Arti Bhatia, Amit kumar, Niveta Jain, Sandeep K Malayn (2020)	Global Warming Impacts of Nitrogen Use in Agriculture: An Assessment for India since 1960	Carbon Management (IF: 1.667) (ISSN- 1758-3004)	11	291-301

12.	Amit Kumar, Amit Kumar, Cabral-Pinto M.M.S, Ashish K. Chaturvedi, Aftab A Shabnam, Gangavarapu Subrahmanyam, Raju Mondal, Dipak Kumar Gupta, Sandeep K. Malyan , Smita S. Kumar, Shakeel A. Khan, Krishna K. Yadav (2020)	Lead Toxicity: Health Hazards, Influence on Food Chain, and Sustainable Remediation Approaches	International Journal of Environmental Research and Public Health (IF:2.849) (ISSN:1660-4601)	17	1-36
13.	Smita S Kumar, Vivek Kumar, Veera Gnaneswar Gude, Sandeep K Malyan , Arivalagan Pugazhendhi (2020)	Alkalinity and salinity favor bioelectricity generation potential of Clostridium, Tetrathlobacter and Desulfovibrio consortium in Microbial Fuel Cells (MFC) treating Sulfate-laden wastewater	Bioresource Technology (IF: 7.539) (ISSN: 0960-8524)	306	123110
14.	Jyoti Sharma, Smita S Kumar, Vivek Kumar, Sandeep K. Malyan , Thangavel Mathimani, Narsi R Bishnoi, Arivalagan Pugazhendhi (2020)	Upgrading of microalgal consortia with CO ₂ from fermentation of wheat straw for the phycoremediation of domestic wastewater	Bioresource Technology (IF: 7.539) (ISSN: 0960-8524)	305	123063
15.	Jyoti Sharma, Vivek Kumar, Smita S Kumar, Sandeep K. Malyan , Mathimani Thangavel, Narsi R Bishnoi, Arivalagan Pugazhendhi (2019)	Microalgal consortia for municipal wastewater treatment – lipid augmentation and fatty acid profiling for biodiesel production	Journal of Photochemistry & Photobiology, B: Biology (IF: 4.383) (ISSN- 1011-1344)	202	111638
16.	Manju Toor, Smita S Kumar, Sandeep K Malyan , Narsi R Bishnoi, Thagavel Mathimani, Karthik Rajendran, Arivalagan Pugazhendhi (2020)	An overview on bioethanol production from lignocellulosic feedstocks	Chemosphere (IF:5.778) (ISSN- 0045-6535)	242	125080
17.	Smita S Kumar, Amit Kumar, Swati Singh, Sandeep K Malyan , Shahar Baram, Jyoti Sharma, Rajesh Singh, Arivalagan Pugazhendhi (2020)	Industrial wastes: Fly ash, steel slag and phosphogypsum- Potential candidates to mitigate greenhouse	Chemosphere (IF:5.778) (ISSN- 0045-6535)	241	124824

		gas emissions from paddy fields			
18.	Smita S Kumar, Pooja Ghosh, Sandeep K Malyan , Jyoti Sharma, Vivek Kumar (2019)	A comprehensive review on enzymatic degradation of the organophosphate pesticide malathion in the environment.	Journal of Environmental Science and Health, Part C (IF: 3.517) (ISSN- 1059-0501)	37	288-329
19.	Sandeep K Malyan , Rajesh Singh, Meenakshi Rawat, Mohit Kumar, Arivalagan Pugazhendhi, Amrisha Kumar, Vivek Kumar, Smita S. Kumar (2019)	An overview of carcinogenic pollutants in groundwater of India	Biocatalysis and Agricultural Biotechnology IF: Awaited) (ISSN- 1878-8181)	21	101288
20.	Ram Kishor Fagodiya, Himanshu Pathak, Arti Bhatia, Amit kumar, Sandeep K Malayn , Niveta Jain, Dipak Kumar Gupta, Rachana Dubey, Sheetal Radhakrishnan, Ritu Tomer (2019)	Nitrous oxide emission and mitigation from maize- wheat rotation of upper Indo-Gangetic Plains	Carbon Management (IF: 1.667) (ISSN- 1758-3004)	10	489-499
21.	Sandeep K Malyan , Arti Bhati, Smita S Kumar, Ram Kishor Fagodiya, Arivalagan Pugazhendhi, Pham Anh Duc (2019)	Mitigation of greenhouse gases intensity by supplementing Azolla and moderate dose of nitrogen fertilizer	Biocatalysis and Agricultural Biotechnology (IF: Awaited) (ISSN- 1878-8181)	20	101266
22.	Amrisha Kumar, Bharti, Sandeep K. Malyan , Smita S Kumar, Dharm Dutt, Vivek Kumar (2019)	An assessment of trace element contamination in groundwater aquifers of Saharanpur, Western Uttar Pradesh, India	Biocatalysis and Agricultural Biotechnology (IF: Awaited) (ISSN- 1878-8181)	20	101213
23.	Smita S Kumar, Vivek Kumar, Ritesh Kumar, Sandeep K Malyan , Arivalagan Pugazhendhi (2019)	Microbial Fuel Cell Technology for Sustainable Bioenergy, Biosensing, Environmental Monitoring, and other Low-Power Devices	Fuel (IF: 5.578) (ISSN- 0016-2361)	255	115682

24.	Smita S. Kumar, Vivek Kumar, Ritesh Kumar, Sandeep K. Malyan , Narsi R. Bishnoi (2019)	Ferrous sulfate as an <i>in-situ</i> anodic coagulant for enhanced bioelectricity generation and COD removal from landfill leachate	Energy (IF: 6.082) (ISSN- 0360-5442)	176	570-581
25.	Smita S Kumar, Vivek Kumar, Sandeep K Malyan , Jyoti Sharma, Thangavel Mathimani, Marshal S. Maskarenj, Prakash C. Ghosh, Arivalagan Pugazhendhi (2019)	Microbial Fuel Cells (MFCs) for bioelectrochemical treatment of different wastewater streams	Fuel (IF: 5.578) (ISSN- 0016-2361)	254	115526
26.	Kaptan Singh, Rajesh Singh, Sandeep K. Malyan , Meenakshi Rawat, Pradeep Kumar, Sumant Kumar, M. K. Sharma, Govind Pandey (2018)	Health risk assessment of drinking water in Bathinda district, Punjab, India.	Journal of Indian Water Resources Society (IF: Awaited) (ISSN-0970-6984)	38	34-41
27.	A Kumar, A Bhatia, R.K Fagodiya, S.K Malyan , BL Meena (2017)	Eddy Covariance Flux Tower: A Promising Technique for Greenhouse Gases Measurement	Advances in Plants & Agriculture Research (IF: Awaited) (ISSN- 2373-6402)	7	1-4
28.	Smita S Kumar, Sandeep K. Malyan , Narsi R. Bishnoi (2017)	Performance of Buffered Ferric Chloride as Terminal Electron Acceptor in Dual Chamber Microbial Fuel Cell.	Journal of Environmental Chemical Engineering (IF: 4.300) (ISSN- 2213-3437)	5	1238-43
29.	Jyoti Sharma, Smita S Kumar, Panjak Sharma, Soloni Gupta, Manju Toor, Sandeep K Malyan , Narsi R Bishnoi (2017)	Effect of Different Nitrogen Sources on Growth of Algal Consortia	Annals of Agri Bio Research (IF: Awaited) (ISSN- 0971-9660)	22	150-153
30.	Dushyant Kumar, Smita S. Kumar, Jagdeesh Kumar, Om Kumar, Shashi Vind Mishra, Rahul Kumar, Sandeep K. Malyan (2017)	Xylanases and their industrial applications: A review	Biochemical and Cellular Archives (IF: Awaited) (ISSN-0972-5075)	17	353-60

31.	Smita S. Kumar, Sandeep K. Malyan , Suddhasatwa Basu, Narsi R. Bishnoi (2017)	Syntrophic association and Performance of Clostridium, Desulfovibrio, Aeromonas and Tetrathionobacter as anodic biocatalysts for Bioelectricity Generation in Dual Chamber Microbial Fuel cell.	Environmental Science Pollution Research (IF:3.056) (ISSN- 0944-1344)	24	1-12
32.	Sandeep K. Malyan , Arti Bhatia, Om Kumar, Ritu Tomer (2016)	Impact of Nitrogen Fertilizers on Methane Emissions from Flooded Rice.	Current World Environment (IF: Awaited) (ISSN- 0973-4929)	11	846-850
33.	Smita S. Kumar, Chanderhash Yadav, Sandeep K. Malyan , Manju, Kulvinder Bajwa, Narsi R Bishnoi (2016)	Dose optimization for aluminium and iron based coagulants viz. aluminium sulphate, ferric chloride and ferrous sulphate for COD removal from landfill leachate at its natural pH.	Annals of Agri Bio Research (IF: Awaited) (ISSN- 0971-9660)	21	120-23.
34.	Smita S. Kumar, Sandeep K. Malyan (2016)	Nitrification inhibitors: a perspective tool to mitigate greenhouse gas emissions from rice soils.	Current World Environment (IF: Awaited) (ISSN- 0973-4929)	11	423-28
35.	S.S. Kumar, S.K. Malyan , A. Kumar, Narsi R. Bishnoi. (2016)	Optimization of Fenton's oxidation by Box-Behnken Design of Response surface methodology for landfill leachate	Journal of Material and Environment Science (IF: Awaited) (ISSN- 2028-2508)	7	4456-66
36.	Om Kumar, Arun A. David, Rakesh Kumar, Brijesh Yadav, Sandeep K. Malyan , Devesh Pratap (2016)	Effect of primary nutrient and zinc on nutrient uptake and yield attributes of maize (<i>Zea mays L.</i>).	The bioscan (IF: Awaited) (ISSN- 0973-7049)	11	513-17
37.	Sandeep K. Malyan , Arti Bhatia, Amit Kumar, Dipak Kumar Gupta, Renu Singh, Smita S. Kumar, Ritu Tomer, Om Kumar, N. Jain (2016)	Methane production, oxidation and mitigation: A Mechanistic	Science of Total Environment (IF:6.551)	572	874-96

		understanding and comprehensive evaluation of influencing factors.	(ISSN- 0048-9697)		
38.	Dipak Kumar Gupta, A. Bhatia, A. Kumar, T.K. Das, N. Jain, R. Tomer, Sandeep K. Malyan , R.K. Fagodiya, R. Dubey, H. Pathak (2016)	Mitigation of greenhouse gas emission from rice–wheat system of the Indo-Gangetic plains: Through tillage, irrigation and fertilizer management.	Agriculture, Ecosystems & Environment (IF: 4.241) (ISSN-0167-8809)	230	1-9

Book Chapters (11)

S. No	Author's (Year)	Title	In Book and publisher (ISBN) page no
1	Sandeep K. Malyan , Amit Kumar, Jagdeesh Kumar, Smita S. Kumar (2016)	A water management tool in rice to combat two major environmental issues: Global warming and water scarcity.	In: Sanjay Kumar and Masroor Ahmed Beg (eds) Environmental concerns of 21 st century: Indian and global context (Book Age Publications), (ISBN:9789383281657), pp. 45-58
2	Smita S. Kumar, Sandeep K. Malyan , Amit Kumar, Suddhasatwa Basu, Narsi R. Bishnoi (2016)	Microbial fuel cells Technology: Food to energy conversion by Anode respiring bacteria.	In: Sanjay Kumar and Masroor Ahmed Beg (eds) Environmental concerns of 21 st century: Indian and global context (Book Age Publications), (ISBN:9789383281657), pp. 13-29
3	Smita S Kumar, Abudukeremu Kadier, Sandeep K Malyan , Altaf Ahmad, Narsi R. Bishnoi (2017)	Phytoremediation and Rhizoremediation: Uptake, mobilisation and sequestration of heavy metals by plants.	In: Dhananjaya Pratap Singh, Harikesh Bahadur Singh, Ratna Prabha, (eds) Plant-Microbe Interactions in Agro-Ecological Perspectives (Springer), pp 367-394. (ISBN: 9789811065934)
4	Sandeep K. Malyan Amit Kumar, Shahar Baram, Jagdeesh Kumar, Swati Singh, Smita S. Kumar, Ajar Nath Yadav (2019)	Role of Fungi in climate change abatement through carbon sequestration	In: Yadav, A.N., Mishra, S., Singh, S., Gupta, A. (Eds.) Recent Advancement in White Biotechnology through Fungi (Springer), pp 283-295. (ISBN: 9783030255053) Doi: 10.1007/978-3-030-25506-0_11

5	Amit Kumar, Ashish K. Chaturvedi, Kritika, KP, Arunkumar, Sandeep K. Malyan , P. Raja, Ram Kumar, Divjot Kour, Ajar Nath Yadav (2019)	Current Scenario and Future Prospects on Fungal-Phytoremediation of Heavy Metal Contaminated Resources	In: Yadav, A.N., Mishra, S., Singh, S., Gupta, A. (Eds.) Recent Advancement in White Biotechnology through Fungi (Springer), pp 437-461. (ISBN: 9783030255053) doi: 10.1007/978-3-030-25506-0_18
6	Smita S Kumar, Akriti Rai, Renu Singh, Vineet Kumar, Dushyant Kumar, Jagdeesh Kumar, Amrish Kumar, Sandeep K Malyan (2020)	Bioelectroremediation technologies in remediation of environmental pollutants: challenges and future prospects	In: Kumar, V., Saxena, G., Shah, Maulin. (Eds) Bioremediation for Environmental Sustainability Approaches to Tackle Pollution for Cleaner and Greener Society (Elsevier), pp-147-165 (ISBN-9780128205242) (Doi:10.1016/B978-0-12-820318-7.00007-1)
7	Sandeep K Malyan , Swati Singh, Archana Bachheti, Madhvi Chahar, Mitali Kumari Sah, Narender, Amit Kumar, Ajar Nath Yadav, Smita S Kumar (2020)	Cyanobacteria: A perspective paradigm for agriculture and environment	In: Rastegari, A.A., Yadav, A.N., Yadav, N (Eds) Trends of Microbial Biotechnology for Sustainable Agriculture and Biomedicine Systems: Diversity and Functional Perspectives (Elsevier). pp-215-224 (ISBN-9780128205266) (https://doi.org/10.1016/B978-0-12-820526-6.00014-2)
8	Amit Kumar, Ashish K. Chaturvedi, U. Surendran, Aftab A. Shabnam, Ajeet Singh, SN Vinodakumar, Borsha Tamuly, Sandeep K. Malyan , Shakeel A. Khan, M.M.S. Cabral-Pinto, P. Raja, Krishna K. Yadav (2020)	Mechanistic overview of metal tolerance in edible plants: A physiological and molecular perspective	In: Hasanuzzaman, M., Prasad, M.N.V.(Eds) Handbook of Bioremediation (Elsevier),pp- (ISBN-9780128193822).
9	Sandeep K Malyan , Smita S Kumar, Lakhveer Singh, Rajesh Singh, Dipak Jadhav, Vivek Kumar (2021)	Bioelectrochemical systems for removal of heavy metals	In: Singh, L., Mahapatra, D.M., Thakur, S. (Eds), Bioremediation, Nutrients, and Other Valuable Product Recovery (Elsevier), pp- (ISBN-9780128217290).
10	Dushyant Kumar, Sandeep K Malyan , Amrish Kumar, Jagdeesh Kumar (2021)	Microbiological Removal of Heavy Metals from the Environment	In: Kumar, A., Ram, C. (Eds) Nanobiotechnology for Green Environment (Taylor & Francis Group), pp 1-26 (ISBN-9780367461363)

11	Sandeep K Malyan, Smita S Kumar, Ajeet Singh, Om Kumar, Dipak Kumar Gupta, Ajar Nath Yadav, Ram Kishor Fagodiya, Shakeel A Khan, Amit Kumar (2021)	Understanding Methanogens, Methanotrophs, and Methane Emission in Rice Ecosystem	In: Lone, A, Malik, A, Abdul (Eds) Microbiomes and the Global Climate Change (Springer).in press (ISBN: 978-981-334-508-9) doi: 10.1007/978-981-33-4508-9

Conference Proceedings with full paper (3)

S. No	Author's (Year)	Title	Conference	Place
1.	Sandeep K. Malyan, Arti Bhatia, Renu Singh, Smita S. Kumar, Om Kumar, Joni Kumar, Rumesh Ranjan, Ritu Tomer (2017)	Impact of Azolla application on nitrous oxide emission from rice soils	International Conference on Advances in Agricultural & Applied Sciences for Promoting Food Security	Hotel Mirage Lord Inn, Battishputli, Kathmandu, Nepal
2.	Sandeep K. Malyan, Jyoti Sharma, Manju Toor, Smita S. Kumar (2017)	Methane mitigation from rice soils through fertilizer management	International Conference on Emerging Areas of Environmental Science & Engineering	Guru Jambheshwar University of Science & Technology, Hisar-125001, Haryana, India
3.	Smita S. Kumar, Shiskha, Jyoti Sharma, Manju Toor, Sandeep K. Malyan, Narsi R. Bishnoi (2017)	Exploring power generation and COD removal efficiency of Sulphate reducing and Sulphur oxidising bacteria in consortium.	International Conference on Emerging Areas of Environmental Science & Engineering	Guru Jambheshwar University of Science & Technology, Hisar-125001, Haryana, India.

Conferences/Training/Workshops/Seminars/Symposium (21)

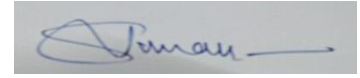
International Conferences:	04
National Conferences:	04
Trainings/workshops:	08
Seminars/symposium:	05
<ol style="list-style-type: none"> 1. Participated in Indo-UK workshop on “Bioremediation of LNAPL polluted groundwater” held on 26-27 March, 2018 at Department of Hydrology, Indian Institute of Technology Roorkee, Uttarakhand, India. 2. Participated in 5 days training on “Water quality: Concepts and analysis” held on 19-23 March, 2018 at National Institute of Hydrology, Roorkee. 3. Participated in International Conferences on “Sustainable Technologies for Intelligent Water Management” held during 16-19 February 2018 at IIT Roorkee. 4. Participated in 21 days training on “Remote Sensing and GIS Applications in Carbon Forestry” (Conducted by IIRS, Dehradun, India). 	

5. Participated in Indo-UK workshop on “Challenges and Opportunities for Agricultural Nitrogen Science in India” held on 3-5 October, 2017 at National Academy of Agricultural Science, New Delhi.
6. Paper presentation in National Conference on “Agriculture Renewal for Evergreen Revolution: Concept & Approaches”, held 10 March 2017 at Gochar Mahavidyalaya, Saharanpur-247001, Uttar Pradesh, India.
7. Paper presentation in International Conference on “Emerging Areas of Environmental Science & Engineering”, held 15- 17 February, 2017 at Guru Jambheshwar University of Science & Technology, Hisar-125001, Haryana, India.
8. Poster presentation in International conferences on “Advance in Plant and Microbial Biotechnology” held on 2-4 February, 2017 at Jaypee Institute of Information, Technology, India.
9. Participated in national Seminar on “Challenges of Climate Change and Green Environmental Solutions” held on 10, December, 2016, at CCSU Meerut, India.
10. Poster presentation in national symposium on “Managing Agriculture in a Changing Environment” held on 1-2 December, 2016 at Centre for Environment Science and Climate Resilient Agriculture, IARI New Delhi-110012.
11. Participated in workshop on “ DST’s knowledge network on Climate Change and Agriculture” held on 28-29 April, 2016 at NASC Complex, DPS Marg, Pusa, New Delhi-110012.
12. Poster presentation in national seminar on “Recent innovative change in science and Technology, Humanities, Law & Commerce in context of human welfare” held on 29, March, 2016, at D.A.V. (P.G) College, Muzaffarnagar (U.P)-251001.
13. Poster presentation in national symposium on “Environmental Toxicology” held on 25-26 March, 2016, at Department of Zoology, CCS University, Meerut (U.P)-250001.
14. Participated in national conference on “Environmental concerns of 21st century: Indian and global context” held on 21-22, March, 2016, at Zakir Husain Delhi College (Evening), University of Delhi.
15. Poster presentation in national conference on “Amelioration of air pollution effects in agricultural crops” on 15 March, 2016, at Department of Botany, Ch. Chhotu Ram (P.G.) College, Muzaffarnagar (U.P)-251001.
16. Poster presentation in 1st National Agricultural Research & Innovation Conference on “Balanced Fertilization: A Key to Food Security and Environmental Sustainability” February 24-25, 2016, held at Amity University- Noida.
17. Participated in training programme on “Experimental Data Analysis” held on 07-11, December, 2015, at ICAR- Indian Agriculture Statistics Research Institute, Library Avenue, New Delhi-110012.
18. Participated in IPPC Congress 2015 on “3rd International Plant physiology Congress on Challenges and Strategies in Plant Biology Research” held on 11-14, December, 2015, at JNU New Delhi.
19. Participated in 100 days training on “Remote Sensing, Geographical Information System & Global Navigation Satellite System” (Conducted by IIRS, Dehradun).
20. Participated in national seminar of Plant Physiology on “Physiological and molecular approaches for development of climate resilient crops” held on 12-14, December, 2012.
21. Participated in five days training on “Climate Change & its mitigation” (Conducted by IIPA, New Delhi).

References

❖ Available upon request

Date: 29-06-2021



(Sandeep Kumar Malyan)