



Curriculum Vitae

Dr Rajesh Kumar Lohchab (Professor)

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Name : Rajesh Kumar Lohchab
Present Position : Professor
Year with Organization/Entity : 17 Years (Date of Joining 2nd July, 2001)
Name of Organization : Department of Environmental Science & Engineering, Guru a Jambheshwar University, Hisar, Haryana, India
Detailed Task Assigned : Teaching and Research
Date of Birth : 2nd January, 1973
Father's Name : Sh. Kattar Singh
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Education

1) Quilifications:

1. Passed **Master of Technology** (M.Tech.) in **Environmental science & Engineering** with First Class (73.40%) from **G.J. University**, Hisar in **1998**.
2. Passed **Master of Science** (M.Sc.) in **Environmental sciences** with First Class (67.20%) from **Krukshetra University**. Kurukshehra in **1995**.

3. **Ph.D.** (2008) Title“ **Impact Analysis of Tourism and Urbanization on Bhimtal lake and Its catchment**” under **Supervision** of **Prof. C. P. Kaushik**, Deptt. Of Environmental Science and Engineering, **G. J. University of Science & Technology**, Hisar and **Co-supervision** of **Dr. D.K. Agrawal**, Scientist D and Core- Head, Core- EE & EIA, **G.B. Pant Institute of Himalayan Environment and Development**, Kosi-katarmal, Almora, Uttaranchal.
- 2) **Project Undertaken as a Part of Curriculum:**
 1. **Master Technology:** Base line Environment Scenario for Establishment of 25 MW Diesel Based Power Plant at Dewas, M.P.
 2. **Master Science:** Effect of Dumping of Distillery Effluent on Microbial Density in Field Soil.
- 3) **Training Undertaken as a Part of Curriculum:**
 1. One Month Training from August 1st 97 to August 31st 97 on **Stack and Ambient Air Monitoring (Sampling and Analysis)**, at Paryacon Engineer’s Pvt. Ltd., New Delhi (as a part of M.Tech Curriculum).

Employment Record & Key Qualifications

- 1).
 - i. From 2nd July, 2014 to till date working as **Associate Professor** in the Department of Environmental Sciences and Engineering in Guru Jambheshwar University, Hisar.
 - ii. From 2nd July, 2001 to 1st July, 2014 worked as **Lecturer** in the Department of Environmental Sciences and Engineering in Guru Jambheshwar University, Hisar.

Teaching and Research.

- a). **Teaching:** Teaching Environmental Health and Safety, Industrial Pollution Management, Solid waste Management, Environmental Impact Assessment and Unit Operation and processes Subject to the M.Tech Environmental Science & Engineering Student.
- b). **Research:** 4 students are registered for Ph.D and guided 35 M.Tech Students for one year research work in the area of Wastewater Treatment (Industrial

and Municipal), Solid Waste Management, environmental Impact Assessment and Bioremediation (**List Enclosed as Annexure-I**).

c. **Research Project:** Completed 2 Major Research Project one from AICTE of Rs 24,70,000/- and one from UGC Rs 10,69,800/- and two minor research Project. Worked as co-consultant in 8 consultancy projects from Industries (**List Enclosures as Annexure-I**).

d. **Publication:**

i. **Journals and Book:** Published 23 research papers in international and national journals and also published 1 book (**List Enclosed as Annexure-I**)

ii. **International and National Conference, Symposium and Seminar:** Paper presented in 4 international and 13 research papers in international and national journals and also published 1 book (**List Enclosed as Annexure-I**)

e. **Invited Lectures:** delivered 5 invited lectures in Conference/Seminar/ Refresher Course (**List Enclosed as Annexure-I**)

f. **Training Courses/Workshops/Refresher Courses/Orientation Programmes:** Participated in 11 Training Courses/Workshops/Refresher Courses/Orientation Programmes (**List Enclosed as Annexure-I**)

g. **Session Chair:** Chair Session in 04 Training Courses/Workshops/Refresher Courses/Orientation Programmes (**List Enclosed as Annexure-I**)

h. **Member of prestigious Bodies:** (**List Enclosed as Annexure-I**)

2). From 10th March, 2000 to 29th July, 2001 worked as **Research Associate** Under Core Programme “EE&EIA” in G.B. Pant Institute of Himalayan Environment and Development, Kosi-Katarmal, Almora.

Carried out research on following Core-Activities:

1. Vegetable cultivation in Khairna Valley and Its Impact on Environment.
2. Impact of Desiltation Operation of Bhimatl Lake on Kumaun Central Himalaya.

- 3). From 1st July, 1998 to 8th March,2000 worked as **Environmental Scientist** in Vogue Centre for Environmental Management (a Division of V.C.C.), Delhi.

Involved in Following Project Activities:

1. Worked as Site In-charge from February, 1999 to February, 2000 for EIA Study for NTPC Kawas 650 MW Stage-III CCPP, at Kawas, Dist.- Surat, Gujrat.
2. Comprehensive EIA study for Aditya Aluminium Project at Lapanga, Dist.- Sambalpur, Orissa.
3. Comprehensive EIA study for 5 x 130 MW Captive Power Plant at Lapanga, Dist.- Sambalpur, Orissa.
4. Rapid EIA Study for NTPC Kawas 650 MW Stage-III CCPP, at Kawas, Dist.- Bharuch, Gujrat.
5. Rapid EIA Study for NTPC Gandhar 650 MW Stage-III CCPP, at Jhanor, Dist.- Surat, Gujrat.

Certificate

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.



Date:

(Rajesh Kumar Lohchab)

Annexure-I

Research and Academic Contributions

Research paper

Sr. No.	Year	Author	Title	Journal	Volume	Pages	ISSN Number
Impact factor above 5 Journals							
1	2018	Kaur D, Bhardwaj N K and Lohchab R K	A study on pulping of rice straw and impact of incorporation of chlorine dioxide during bleaching on pulp properties and effluents characteristics (http://dx.doi.org/10.1016/j.jclepro.2017.09.111)	Journal of Cleaner Production	170	174-182	0959-6526
2	2011	Singh R., Kumar A., Kirrolia A., Kumar R., Yadav N., Bishnoi N.R. and Lohchab R.K.	Removal of sulphate, COD and Cr(VI) in simulated and real wastewater by sulphate reducing bacteria enrichment in small bioreactor and FTIR study	Bioresource Technology	102	677-682	0960-8524
Impact factor above 4 and below 5 Journals							
3	2019	Kaur D, Bhardwaj N K and Lohchab R K	Effect of incorporation of ozone prior to ECF bleaching on pulp, paper and effluent quality(https://doi.org/10.1016/j.jenvman.2019.01.089)	Journal of Environmental Management	236	134-145	0301-4797
4	2017	Kaur D, Bhardwaj N K and Lohchab R K	Prospects Of Rice Straw As A Raw Material For Paper Making (http://dx.doi.org/10.1016/j.wasman.2016.08.001)	Waste Management	60	127-139	0956-053X
Impact factor above 2 and below 3 Journals							
5	2017	Kaur D, Bhardwaj N K and Lohchab R K	Improvement in rice straw pulp bleaching effluent quality by incorporating oxygen delignification stage prior to elemental chlorine-free bleaching (DOI 10.1007/s11356-017-9965-6)	Environmental Science and Pollution Research	24 (30)	23488-23497	0944-1344
Impact factor above 1 and below 2 Journals							
6	2018	Kaur D,	Environmental Aspect of Using Chlorine Dioxide to Improve Effluent and Pulp Quality During Wheat Straw Bleaching	Waste and Biomass	10 (5)	1231–	1877-

		Bhardwaj N K and Lohchab R K	(https://doi.org/10.1007/s12649-017-0193-6)	Valorization		1239	2641 1877- 265X
7	2017	Kaur D, Bhardwaj N K and Lohchab R K	Reduction in chlorophenolic compounds during bleaching of rice straw pulp by replacing elemental chlorine with chlorine dioxide (DOI 10.1007/s13762-017-1448-2)	International Journal of Environmental Science Technology.	15 (5)	1113– 1122	1735- 2630 1735- 1472
Impact factor above below 1 Journals							
8	2017	Lohchab R.K and Singh U	Performance Evaluation of a Landfill Leachate Recirculation Treatment System Using Quadric Model	Journal of Environmental Biology	38 (6)	1313- 1320	0254- 8704 2394- 0379
9	2015	Snehlata, Lohchab R K and Nain A	Anaerobic Treatment of MSW Using Leachate Recirculation Bioreactor: A Case Study of Rohtak City	Nature Environment and Pollution Technology	14 (4)	919-922	0972-6268
Refereed/Indexed Journals							
10	2019	Jitender Kumar Saini, Rajesh Kumar Lohchab , Anil Nain and Mikhlesh Kumari	DESIGNING OF ANAEROBIC HYBRID REACTOR TO TREAT HOUSEHOLD SEWAGE FOR DECENTRALISED SYSTEM	Pollution Research	38(1)	204-210	0257– 8050
11	2018	Jitender Kumar Saini, Rajesh Kumar Lohchab , Anil Nain and Kulbir Singh	Decentralised Household Sewage Treatment in UASB Reactor	Annals of Agri-Bio Research	23(2)	136-140	0971- 9660
12	2017	Bishnoi S, Lohchab R K and Bishnoi N. R.	Assessment of Socio-economic Impacts of Rajiv Gandhi Thermal Power Plant (RGTPP)	International Journal of Science, Engineering & Computer Technology	7(2)	86-89	2231- 508X
13	2017	Mahajan A., Nain K.S. And Lohchab R.K.	Photocatalytic Degradation of Pulp & Paper Mill Wastewater Using ZnO Photocatalyst	International Journal of Emerging Technology and Advanced Engineering	7 (9)	623-628	2250- 2459
14	2017	Bishnoi S, Lohchab R	Elemental And Radiological Analysis Of Fly And Bottom	Journal of Environment	31(2)	405-408	0973-

		K and Bishnoi N. R.	Ash From Rajiv Gandhi Thermal Power Plant	and Bio-science			6913 0976-3384
15	2017	Lohchab R K , Agrawal D K and Kaushik C P	Tourism Impacts on the Water Quality of Bhimtal Lake in Central Himalaya	Pollution Research	36 (2)	297-306	0257-8050
16	2017	Saini J K and Lohchab R K	Performance of UASB Reactor to Treat Distillery Spent Wash under Various Operating Conditions	Annals of Biology	33 (1)	10-15	0970-0153
17	2017	Sihag S and Lohchab R K	Effects of sewage sludge bioavailable heavy metals on agricultural soils and wheat crop	Journal of Environment and Bio-science	31 (1)	247-254	0973-6913 0976-3384
18	2016	Rastogi M, Lohchab R K and Nandal M	Efficacy of Leachate Recirculation on Municipal Solid Waste Stabilization in a Bioreactor	Annals of Agri-Bio Research	21 (2)	124-129	0971-9660
19	2016	Saini J K, Saini A and Lohchab R K	Rice Mill Wastewater Treatment by Upflow Anaerobic Sludge Blanket Reactor (DOI: 10.21276/Ijpaes http://dx.doi.org/10.21276/Ijpaes)	International Journal of Plant, Animal and Environmental Sciences	6 (3)	128-134	2231-4490
20	2015	Nain A and Lohchab R K	Anaerobic Treatment of MSW Management of Hansi in Leachate Recirculation Bioreactor	Annals of Biology	31 (1)	46-50	0970-0153
21	2015	Lohchab R K and Srivastava R	MSW Management for Sirsa (Haryana) Using Leachate Recirculation Bioreactor Landfill	Annals of Agri-Bio Research	20 (1)	1-6	0971-9660
22	2014	Nisha Koirala, Jitender Saini, Anil and Rajesh Kumar Lohchab	EFFECT OF INCREASING FEED CONCENTRATION AND DECREASING HRT ON PERFORMANCE OF UASB REACTOR TREATING DAIRY WASTEWATER	INTERNATIONAL JOURNAL OF CURRENT RESEARCH	6 (2)	4944-4947	0975-833X
23	2013	Rajesh Kumar Lohchab and Snehlata	Pharmaceutical Waste Water Treatment – Potential of UASB Reactor	International Journal of Current Engineering and Technology	3(5)	2112-2114	2277-4106
24	2012	Rajesh Kumar Lohchab and Savita Verma	Anaerobic Treatment of Dairy Effluent by Using UASB Reactor	Environ. We Int. J. Sci. Tech	7	123-129	0975-7112

25	2012	Kumar V. and Lohchab R.K.	MSW Stabilization by Leachate Recirculation: A Comparative Lab Study with Poultry Waste	Annals of Agri-Bio Research	17(2)	145-154	0971-9660
26	2011	Lohchab R.K. , Agrawal D.K., and Kaushik C. P.	Estimation, Characterization and Management of Solid Waste in <i>Bhimtal</i> (a tourist destination) in <i>Kumaun Central Himalaya</i> , India	Internatl. J. Environ Waste Management	7 (3/4)	305-315	
27	2011	Lohchab R.K. and Sheetal	Municipal and poultry waste treatment by leachate recirculation	J. Env. Bio-Sci.	25(1)	147-150	0973-6913
28	2011	Lohchab R.K. and Hooda J and Gupta A.	Anaerobic treatment of dairy waste water in UASB reactor	Annals of biology	27 (1)	23-29	0970-0153
29	2011	Lohchab R.K. (2011)	Pollution of water and its health impact at Bhimtal: a tourist destination of Kumaun, Himalaya	Ind. J. of Health and Wellbeing	2 (1)	201-203	2229-5366
30	2011	Lohchab R.K. and Kumar S.	Solid waste stablization by leachate recirculation: A comparative study	Search and Research	2	173-177	0975-5713
31	2010	Lohchab, R.K.	Tourism Growth and Its Social Problems at Bhimtal, Kumaun Himalaya	Indian Journal of Health & Wellbeing	1 (1-2)	131-133	2229-5366
32	2010	Lohchab R.K. , Yadav M. and Poonam	Methylene blue bioadsorption potential of agricultural weed <i>Achyranthus aespera</i>	J. Env. Bio-Sci.	24(2)	139-145	0973-6913
33	2010	Beniwal, V., Chhokar, V., Lohchab, R.K. and Sharma J.	Effect of Organic Solvent on the Activity of Tannase from <i>Enterobacter cloacae</i> MTCC 9125	Annals of Biology	26 (2)	95-100	0970-0153
34	2010	Lohchab, R.K. (2010)	Socio-economic and Environmental Impact of Tourism at Bhimtal and its Management	Annals of Agri-Bio Research	15 (2)	157-163	0971-9660
35	2010	Lohchab, R.K. and Kumar, M	Mesophilic and Thermophilic Treatment of Distillery Wastewater: A Comparative Study	Environ. We Int. J. Sci. Tech	5	185-204	0975-7112
36	2007	Agrawal, D.K., Lohchab, R.K. , Mehra, B. S., & Kaushik, C. P.	Need for Environmental Impact Assessment of Development Projects in Himalayan Region - A Case Study of Desilting Operations at Bhimtal Lake, Kumaun Central Himalaya Indian	J. Environ. Sciences	11(2)	79-87	0971-8958
37	2001	Kumar, R. , Agrawal, D.K. and Kaushik, C. P.	Site feasibility environmental impact assessment for establishment of coal based thermal power plant at Dewas in Madhya Pardesh	Intern. J. Environ. Studies	59 (5)	537-557	0020-7233

International Conference							
38	2000	Kumar, R., Agrawal D.K. and Goel R.S.	Management of environmental disasters in Indian Himalayan region- problems and remedies	International conference on construction industry	IEI	Chandigarh	815-829

Book Published

Sr. No.	Year	Author	Title	Publisher	ISBN Number	Pages
1	2017	Lohchab R K and Saini J K	Industrial wastewater Treatment	IAHRW Publication Pvt. Ltd. Gurgaon	978-81-920953-2-9	84
2	2017	Lohchab R K and Nain A	Municipal Solid Waste Stabilization by Leachate Recirculation	IAHRW Publication Pvt. Ltd. Gurgaon	978-81-920953-2-10	98
3	2017	Gupta A, Bishnoi N.R., and Lohchab R. K.	International Conference on Emerging Areas of Environmental Science and Engineering (EAESE-2017)	Department of Environmental Science & Engineering, GJUS&T, Hisar	978-93-849223-5-1	
4.	2011	Bishnoi N.R., Kaushik A., Baskar R., Gupta A., Singh N. and Lohchab R K.	National Conference on Multidisciplinary Approach in Frontier Areas of Environmental Science and engineering by Department of Environmental Science & Engineering, GJUS&T, Hisar	Arihant Prakashan Pvt. Ltd., New Delhi	978-93-80872-44-5	258

Modules and Book Chapters

Sr. No.	Author	Module	Paper	Subject	Publisher
1	Lohchab R. K.	Hydropower Generation	Water Resources and Management	M. Sc. Environmental Sciences	e-PG pathshala: UGC
2	Lohchab R. K.	Water Resources and Pollution	Environment Management (CP-103)	MBA- 1st Semester	DISTANCE EDUCATION, GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR
3	Lohchab R. K.	Solid and Hazardous Waste Management	Environment Management (CP-103)	MBA- 1st Semester	DISTANCE EDUCATION, GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR
4	Lohchab R. K. and Nain A.	Land Resources and Pollution	Environment Management (CP-103)	MBA- 1st Semester	DISTANCE EDUCATION, GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR
5	Lohchab R. K. and Kumari M.	Air climate pollution	Environment Management (CP-103)	MBA- 1st Semester	DISTANCE EDUCATION, GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR

Research Projects

Research and consultancy Project completed

Sr. No.	Date of Award	PI	Title	Funding Agency	Amount (Rs.)	Duration
On-going						
1	June, 2017	Lohchab R K	Characteristics and Stability Analysis of Municipal Solid Waste Treatment by Leachate Recirculation	DST-PURSE	1.2 Lacs	1 Years
Major Project completed						
1.	2012	Lohchab R.K.	Low Cost Technology Development for Treatment of Rural Areas Household Wastewater/Sewage	AICTE	Rs. 24,70,000/-	3 Years
2.	2011	Lohchab R.K.	Anaerobic treatment of municipal solid waste in leachate recirculation bioreactor	UGC	Rs. 10,69,800/-	3 Years
Minor Project Completed						
1.	2001	Lohchab R.K.	Effect of landuse changes in the catchment area on siltation of Bhimtal lake	UGC		1Year
2.	2010	Lohchab R.K.	Treatment of Industrial Wastewater by Using UASB Reactor	GJUS&T		1Year
Consultancy Project Carried Out (Completed)						
1.	2004	Kausik C.P., Kaushik A. and Lohchab R.K.	Impact Assessment and Environment management Plan for Plywood Industries in Yamunanagar, Haryana	UGC Environment Department, Govt. of Haryana, Chandigarh	-----	
2.	2007	Kausik C.P.,	Impact Assessment of Noise of Gurgaon and Faridabad city,	Environment	-----	

		Kaushik A. and Lohchab R.K.	Haryana	Department, Govt. of Haryana, Chandigarh		
3.	30-08-2010	Bishnoi N.R. and Lohchab R.K.	Environmental Monitoring	JCB India Limited, Ballabhgarh	1,74,040/-	
4.	18-11-2010	Bishnoi N.R. and Lohchab R.K.	Environmental Monitoring	Escort Pvt. Ltd, Faridabad	3,28,304/-	
5.	10-05-2011	Bishnoi N.R. and Lohchab R.K.	Environmental Monitoring	Asian Paint Ltd, Rohtak	3,49,832	
6.	31-10-2011	Bishnoi N.R. and Lohchab R.K.	Environmental Monitoring	Escort Construction & Equipment Ltd., Balbhgarh	2,36,000/-	
7.	9-11-2011	Bishnoi N.R. and Lohchab R.K.	Environmental Monitoring	Escort Pvt. Ltd., Faridabad	4,32,090/-	
8.	03-01-2012	Bishnoi N.R. and Lohchab R.K.	Environmental Monitoring	JCB India Ltd, Balabhgarh	2,18,509/-	

Research Guidance

Ph.D. Supervised

Sr. No.	Name	Registration Number	Registration Year	Title	Degree Awarded
1.	Sushila Bishnoi	1049009	August 2011	Assessment of Environmental Impact of Rajiv Gandhi Thermal Power Plant at Khedar, Hisar	Awarded
2.	Jitender Saini	12049006	October 2012	Development of anaerobic Hybrid Reactor technology for household Wastewater treatment	Awarded
3.	Anil	14049005	March, 2014	Dynamic Characteristics and Stability Analysis of Municipal solid Waste treatment by Leachate Recirculation.	Pursuing
4.	Daljeet Kaur	14049007	March, 2014	Reduction in pollution load in wastewater from rice straw pulp bleaching through process modification	Submitted
5.	Sunita	16049005	Nov, 2016	Application of Miogenic metallic Nanoparticle in Heavy Metal removal from waste water	Pursuing
6.	Kulbir Singh	180040090002	March, 2018	Solid waste generation in Educational Institutions and their leachate treatment by Nanoparticle loaded adsorbent	Pursuing
7.	Mikhlesh Kumari	180040090001	March, 2018	Treatment of wastewater by Nanoparticle synthesized using agro-waste	Pursuing
8.	Paramjeet Dhull	170040080010	-		Pursuing
9.	Ashok Kumar	180040080009	-		Pursuing
10.	Subham	180040080004	-		Pursuing

M.Tech. Dissertation Supervised

Sr. No.	Name	Registration Number	Title	Degree Awarded
1.	Manoj Kumar	0204101	Performance Evaluation of Anaerobic (Mesophilic and Thermophilic) and Aerobic treatment of Distillery Waste Water: A Plant Scale Study	2004
2.	Kewal	0304104	Treatment of Leachate Using Low Cost Adsorbent	2005
3.	Manju Yadav	0304108	Removal of Methylene Blue Dye Using Low Cost Bioadsorbent	2005
4.	Kapil	0304116	Anaerobic Treatment of Distillery Wastewater Using Upflow Anaerobic Sludge Blanket Reactor	2005
5.	Sanjeev	0304117	Municipal Solid Waste Stabilization by Leachate Recirculation: A Lab Scale Study	2005
6.	Neha	0404107	Phytoextraction of Cadmium with the Help of Indian Mustard from Metal Enriched Sandy Soil	2006
7.	Mahender Singh Saini	0404110	Anaerobic Treatment of Distillery Wastewater Using Upflow Anaerobic Sludge Blanket Reactor	2006
8.	Uttam Kumar	0504114	Municipal Solid Waste Stabilization by Leachate Recirculation	2007
9.	Anjali Gautam	0504115	Environmental Impact Assessment of Die Casting Industry	2007
10.	Sunil Nahar	0504104	Treatment of Vegetable Waste Leachate by Using Upflow Anaerobic Sludge Blanket Reactor	2007
11.	Sheetal		Municipal and Poultry Waste Stabilization by Using Simulated Bioreactor Landfill: A Comparative Study	2008
12.	Anita		Treatment of Distillery wastewater by Using UASB reactor: A Lab Scale Study	2008
13.	Aparna Bharadwaj	0704106	Dye Removal by Using Saccharum Spontaneum as Bioadsorbent	2009
14.	Vijender Kumar	0704111	Municipal Solid Waste Stabilization By Leachate Recirculation: A Comparative Lab Study	2009
15.	Mamta Devi	0704116	Extra Cellular Polymeric Substances (EPS) And Sludge Characteristics In Sewage Treatment In Membrane Bio Reactor (MBR)	2009
16.	Jyoti Hooda	0704119	Anaerobic Treatment of dairy effluent by using UASB reactor- a lab scale study	2009
17.	Saraswati	0804105	Chemical Properties of Aerosol Emitted from Biofuels and Ambient Air Over Northern India	2010
18.	Sneh Lata	0804108	Pharmaceutical Wastewater Treatment Using UASB Reactor: A Lab Scale Study	2010
19.	Sudhir Kumar	0804112	Municipal Solid Waste and Vegetable Waste Stabilization by Using Leachate Recirculation Bioreactor	2010
20.	Savita Verma	0804113	Anaerobic Treatment of Dairy Wastewater by Using UASB Reactor	2010
21.	Manisha Dahiya	09041002	Chemical Characterization of Aerosols Emitted from Biomass Fuels and Ambient Air over lower indogagnetic plains (IGP) of India	2011
22.	Priyanka Ranga	09041006	Stabilization of Municipal Solid Waste and Poultry Waste in a bioreactor	2011
23.	Jitender Kumar Saini	09041012	Distillery Waste Water Treatment with UASB Reactor	2011
24.	Vijayshree	10041002	Bioremediation of Chromium contamination using phytoextraction and Biosorption	2012
25.	Mansi Rastogi	10041004	Stabilization of Municipal Solid Waste by Leachate Recirculation in a Bioreactor	2012
26.	Anil	10041012	Anaerobic Treatment of Municipal solid waste by Leachate Recirculation: A Case Study of Hansi	2012

27.	Anju Saini	10041017	Treatment of Rice Mill Wastewater by UASB Reactor	2012
28.	Rachna Shrivastava	11041005	STABILIZATION OF MUNICIPAL SOLID WASTE OF SIRSA IN LEACHATE RECIRCULATION BIOREACTOR	2013
29.	Khusboo Mehta	11041006	Stabilization of Municipal Solid Waste of Fatehabad in Leachate recirculation Bioreactor	2013
30.	Nisha Koirala	11041019	UASB TREATMENT OF DAIRY WASTEWATER AT VARYING OLR AND HRT	2013
31.	Dilip Swami	12041002	Stabilization of Municipal Solid Waste of Meham Town in Leachate Recirculation in Bioreactor	2014
32.	Anup Singh	12041006	UASB Treatment of Landfill Leachate	2014
33.	Udayveer Singh	12041008	Stabilization of Municipal Solid Waste of Hisar in Leachate Recirculation Bioreactor	2014
34.	Vineet Kumar Yadav	12041015	UASB Treatment of Food Processing Industrial Wastewater	2014
35.	Jyoti	13041003	UASB Treatment of Leachate Prepared from the MSW and Poultry Waste	2015
36.	Savita Sihag	14041004	Impact Of Sewage Sludge Application On Bioavailability Of Heavy Metals In Wheat Crop	2016
37.	Hari Parsad	15041010	Lime Treatment of Plywood Industry waste water to Achieve Zero Liquid Discharge	2017
38.	Mange	15041006	Treatment of Sewage by using Aerobic Bed Bioreactor	2017
39.	Varun Nehra	16041002	UASBR Treatment of Leachate Prepared from Municipal Solid Waste (MSW): Hisar City	2018
40.	Bhanu	16041010	Leachate Preparation from MSW and its Treatment in UASB reactor at different OLR	2018
41.	Kumud Kukreti	170040410001	Photocatalytic degradation of Methylene Blue Dye using Silica Nanoparticles synthesized from Rice husk ash	Pursuing
42.	Himanshi	170040410009	Removal of Dye from simulated wastewater using Nanocellulose prepared by rice straw	Pursuing

Training Courses/Workshops/Refresher Courses/Orientation Programmes

Sr. No.	Name of Training/Course/Programme	Duration	Organization
1.	Refresher Course in Env. Sci. & Engg.	25.9.2001 to 16.10.2001 (Three Weeks)	Deptt. Of Env. Sci. & Engg., GJUST, Hisar
2.	Orientation Course	07.06.2004 to 03.07.2004 (Four Weeks)	Academic Staff College, K U, Kurukshetra
3.	Refresher Course in Information Technology	21.01.2011 to 10.02.2011 (Three Weeks)	Academic Staff College., GJUST, Hisar
4.	Refresher Course in Communication Skills and Technical Writing	25.05.2011 to 14.06.2011 (Three Weeks)	Academy of Agricultural Research and Education Management, Directorate of HRM, CCSHAU, Hisar
5.	Training Programme Environmental	October 16-20, 2001	GBPIHED, Almora

	Economics for Practicing Scientists and Ecologists		
6.	Training Programme on Introduction to ArcGIS	December 08-12, 2003	ESRI India, Delhi
7.	Short Course on Biological Processes	December 04-08, 2006	Cranfield University, Cranfield, UK
8.	Training on Introduction to Emerging Technologies for Learning	March 23-29, 2009 (One Week)	University of Manitoba, Manitoba, Canada
9.	Training on Disaster Management	February 14-16, 2013	UGC-Academic Staff College, GJUST, Hisar
10.	Faculty Development Programme	September 20-28, 2013	TEQIP-II Cell & UGC-Academic Staff College, GJUST, Hisar
11.	Workshop on E-learning Technology for Effective Teaching, Research and Extension	August 20-26, 2015	UGC-Academic Staff College, GJUST, Hisar

Paper Presented in International and National Conference/Seminar/Symposia/Workshop, Invited Talks and Conference/Seminar Organized

Sr. No.	Held	Title	Conference	Organizer	Place
International Conference/Seminar					
1					
2	February 16-18, 2017	Heavy Metal Removal from Municipal Solid Waste in Leachate Recirculation Bioreactor	International Conference on Emerging Areas of Environmental Science and Engineering (EAESE-2017)	Department of Environmental Science & Engineering, GJUS&T	Hisar
3	December 8-10, 2016	Hinduism Belief of Environment and Its Protection	International Conference on Nurturing Human Values in Youth: A Perspective of Srimad Bhagwad Gita	Guru Jambheshwar Ji Maharaj Institute of Religious Studies, GJUS&T	Hisar

4	November 11-12, 2016	Environmental Psychology: Stress and its Management	International Conference on Youth and Well Being	Department of Applied Psychology, GJUS&T	Hisar
5	December 16-18, 2010	Tourism Induced Landuse Changes and Urbanization at Bhimtal: A Tourist Destination of Kumaun Himalaya	International Seminar on Climate Change: Spatial Concerns and Mitigation Strategies	ISPER	Panchkula (Haryana)
6	December 4-5, 2010	Solid Waste Stabilization by Leachate Recirculation Bioreactor: A Comparative Study	International Conference on On Concurrent Techno And Enviro Search	Search and Research Group	NITTTR, Bhopal
7	February 9-11, 2009	Distillery Wastewater treatment Using UASB Reactor- a Lab Scale Study	International Conference on Changing Environmental Trends and Sustainable Development (CETAS- 2009)	Deptt. of ESE, GJUS&T	Hisar
National Conference/Seminar					
1	March 3-4, 2017	UASB Treatment of Food Processing Industrial Effluent	National Conference on Food Processing India 2017	Deptt. of Food Technology, GJUS&T	Hisar
2	January 3-7, 2017	UASB Treatment of Poultry Waste and MSW Leachate	the 104 th Indian Science Congress	The Indian Science Congress Association	Tirupti
3	September 8-10, 2016	Landfill Leachate Treatment by Upflow Anaerobic Sludge Blanket Reactor	National conference on Environmental Challenges, Human Health and Society	University Maharaja College & ISLS	Jaipur
4	February 11-12, 2016	Leachate Recirculation Bioreactor- A Technical Solution of Municipal Solid Waste Treatment	National Conference on Biotechnology: Emerging Trends (NCB-2016)	Deptt. of Biotechnology, CDLU	Sirsa
5	February 28, 2012	Impact of Solid Waste Leachate on Groundwater Quality- Review	National Seminar on Environmental Degradation: Issues and Remedies	Dayanand PG College	Hisar
6	March 10-12, 2011	Religion and Environment in Rigveda	National Seminar on Psychosocial Antecedents and Moderators of Environment	Department of Psychology, BLJS (PG) College	Tosham, Bhiwani
7	March 04-05, 2011	Municipal Solid Waste Leachate Treatment by Using Bioreactor	National Conference on Multidisciplinary Approach in Frontier Areas of Environmental Science and Engineering (MAFAESE- 2011)	Deptt. of ESE, GJUS&T	Hisar

8	March 04-05, 2011	Application of Wireless Sensor Network Technology in Environmental Protection	National Conference on Multidisciplinary Approach in Frontier Areas of Environmental Science and Engineering (MAFAESE- 2011)	Deptt. of ESE, GJUS&T	Hisar
9	February 26-27, 2011	Water Pollution: Burden and Its Control	National Seminar on Environmental Pollution and the Laws	Faculty of Law, MDU	Rohtak
10	February 12, 2011	Environmental Human Rights- Constitutional Provisions	National Seminar on Human Rights Education	Dayanand PG College	Hisar
11	February 11, 2011	Dye Removal by Using Low Cost Bioadsorbent	National Seminar on Environmental Degradation: Issues and Remedies	Dayanand PG College	Hisar
12	October 14-15, 2010	Treatment of Pharmaceutical Wastewater Using Upflow Anaerobic Sludge Blanket Reactor	National Conference on Environmental and Health Issues: In a Changing Climatic Scenario (ETHICCS- 2010)	Deptt. of Environmental Sciences, MDU	Rohtak
13	March 29-30, 2010	Removal of Hexavalent Chromium Using Agrowaste As Low-Cost Adsorbant	National Seminar on Environmental Challenges: Sustainable Development	Deptt. of Environmental Sciences, MDU	Rohtak
14	February 25-27, 2010	Treatment of Dairy Waste Using UASB Reactor: A Lab Scale study	National Conference on Environment Degradation: Effects, Challenges & Remedies	JCDM College of Engineering	Sirsa
15	February 19-20, 2010	Municipal and Poultry Waste Stabilization by Using Simulated Bioreactor Landfill: A Comparative Study	National Symposium on Impact of Trends in Climate Change on Bio-Diversity and Faunistic Systems	Deptt. of Zoology and Environmental Sciences, Gurukula Kangri Vishwavidyalaya	Haridwar
16	September 01-02, 2003	----	National seminar on Emerging Environmental issues and technological challenges	Deptt. of ESE, GJUS&T	Hisar
Invited lectures in Conference/Seminar/ Refresher Course					
1	March 25-26, 2019	Use of Rice Straw in Paper Making: A Sustainable Approach	<i>2nd International Conference on Sustainable Technologies for Environmental Management</i>	Department of Environmental Engineering, (DTU)	Delhi
2	27/05/2017	Lecture delivered on Environmental Pollution: Cause and Effects	UGC Sponsored Refresher Course on Environment	HRD Centre, GJUS&T	Hisar
3	27/05/2017	Lecture delivered on Environmental Pollution	UGC Sponsored Refresher Course on	HRD Centre,	Hisar

		Control	Environment	GJUS&T	
4	19/02/2016	Lecture delivered on Bio medical Waste Management, Worker's Health and Safety in Work Environment	Environmental & Social Action Plan (ESAP) of National Dairy Development Board (NDDB), on bio-security measures	Semen Bank	Hisar
5	22/07/2015	EIA, Environmental Policies and Laws in India	Training Programme on Environment Management	HIRD	Nilokheri
6	09/06/2015	Lecture delivered on Environmental Pollution Control	UGC Sponsored Orientation Programme- 21	HRD Centre, GJUS&T	Hisar
7	01/12/2014	Lecture delivered on Environmental Enrichment	training programme for NSS Programme officers	at DSW Complex, CCSHAU	Hisar
8	December 26, 2011	Delivered Lecture on Industrial Pollution Management	Refresher Course in Life Sciences	Academic Staff College., GJUST	Hisar
Conference/Seminar Organization					
1	February 16-18, 2017	Organizing secretary	International Conference on Emerging Areas of Environmental Science and Engineering (EAESE-2017)	Department of Environmental Science & Engineering, GJUS&T	Hisar
2.	February 18-20, 2019	Co-Convener	International Conference on Climate Change towards Health and Agricultural Sustainability (CCHAS- 2019)	Department of Environmental Science & Engineering, GJUS&T	Hisar
GAIN MHRD Course					
1.	November 12-21, 2018	Co-Coordinator	Application of thermodynamic prediction for development of microbial biotechnological approaches	Department of Bio & Nano Technology, GJUS&T	Hisar

Session Chaired in Conference/Seminar/ Refresher Course etc.

Sr.	Held	Invited talk/Session Chair	Conference/seminar/Refresher Course	Organizer	Place
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No.					
1.	30/03/2016	Chaired Technical Session	National Workshop on Drug Discovery Technology: A Molecular Modelling Approach	Depatt. of Bio & Nano Technology, GJUS&T	Hisar
2.	02/02/2016	Chaired Technical Session	Bioprocess Technology	Depatt. of Bio & Nano Technology, GJUS&T	Hisar
3.	20/03/2015	Chaired Technical Session	Training Programme on "Bioinformatics Tools for Genomic Problem Solving"	Depatt. of Bio & Nano Technology, GJUS&T	Hisar
4.	March 05, 2011	Chair Poster Session and Co-Chair Technical Session- X	National Conference on Multidisciplinary Approach in Frontier Areas of Environmental Science and Engineering (MAFAESE- 2011)	Deptt. of ESE, GJUS&T	Hisar

Member of Organizing Committee of Refresher Course/ Seminar/Conferences etc.

Sr. No.	Date	Member Organizing Committee
1.	September 25 to October 16, 2001	Refresher course in Environmental Science & Engineering, Deptt. Of ESE, GJUS&T, Hisar
2.	September 02-22, 2002	Refresher course in Environmental Science & Engineering, Deptt. Of ESE, GJUS&T, Hisar
3.	September 1-21, 2003	Refresher course in Environmental Science & Engineering, Deptt. Of ESE, GJUS&T, Hisar
4.	March 9-29, 2004	Refresher course in Environmental Science & Engineering, Deptt. Of ESE, GJUS&T, Hisar
5.	September 1-2, 2003	National Seminar on Emerging Environmental Issues and Technological Challenges, Deptt. Of ESE, GJUS&T, Hisar
6.	March 22, 2007	Workshop on water conservation & management, Deptt. Of ESE, GJUS&T, Hisar
7.	July 16-18, 2008	16 th National Symposium on Environment, Deptt. Of ESE, GJUS&T, Hisar
8.	February 9-11, 2009	CETAS-2009, Deptt. Of ESE, GJUS&T, Hisar
9.	March 04-05, 2011	MAFAESE-2011, Deptt. Of ESE, GJUS&T, Hisar
10.	March 02-03, 2012	SMED CC- 2012, Deptt. Of ESE, GJUS&T, Hisar
11.	20 th Sept, 2013	Ozone Day Celebration, , Deptt. Of ESE, GJUS&T, Hisar

13	22 april, 2015	Organizing secretary of Earth Day celebration organized by Deptt. Of ESE, GJUS&T, Hisar
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Member of Prestigious Bodies

Sr. No.	Period	Member	Organization	Number of Years
1.	07.02.2004 to 06.02.2006	Academic Council	GJUS&T	2
2.	13.09.2010 to 12.09.12	Academic Council	GJUS&T	2
3.	2007	Sport Counsellor	GJUS&T	1
4.	13.09.10	SPC-I	GJUS&T	1
5.	2008 to 2010	House Allotment as president GJUTA	GJUS&T	2
6.	12.02.2009	Faculty of Non-Conventional Sources of Energy & Environment	GJUS&T	2
7.	01.07.2003	Board of Post-graduate Studies & Research in Environmental Science Engineering	GJUS&T	2
8.	24.09.2009	Board of Post-graduate Studies & Research in Environmental Science Engineering	GJUS&T	2
9.	20.09.2011	Board of Post-graduate Studies & Research in Environmental Science Engineering	GJUS&T	2
10.	01-10-2012 no. Acad/AC-II/F-14/2012/2594-2608	Board of Post-graduate Studies & Research in Environmental Science Engineering	GJUST	2
11.	22-10-2012 no. Gen./2012/G-3/20567-76	House Allotment Committee as president GJUTA	GJUS&T	
12.	19-11-2012 no. IQAC/88-146	University Publicity and Competitive Marketing Policy	GJUS&T	
13.	11.03.2013 no. Acad./2013/AC-II/F-44/801-810	Faculty of Environment and Bio Science & Technology (upto 10-03-2015)	GJUS&T	2
14.	02.08.2013 no. Acad./2013/AC-II/F-44/2491-2506	Faculty of Environment and Bio Science & Technology (upto 10-03-2015)	GJUS&T	2
15.	03/08/2015 no. PITK/Dir/2591	Committee for starting courses and evaluation of Syllabus in Environmental Science	PTU, Kapurthala	
16.	28-09-2015 membership no. L27898	The Indian Science Congress Association	Kolkata	Life Member

17.	15-10-15 no. DOS/15/851-802015	Sport Counsellor of Saheed Udham Singh House	GJUST	
18.	12-4-2016 no. Acad/AC-II/F 10/2016/2160-69	Board of Post-graduate Studies & Research in Environmental Science Engineering	GJUST	2
19.	13-05-2016 no. UCB/2016/435-439	Inspection Committee for grant of extension to Om Institute of Technology & Management, Hisar		
20.	20-05-2016 no. UCB/16/121-131	Inspection Committee for grant of extension to Manav Istitute of Technology & Management, Hisar		