



## Curriculum Vitae

**Dr Rajesh Kumar Lohchab** (Professor)

Department of Environmental Sciences and Engineering,  
Guru Jambheshwar University of Science and Technology,  
Hisar- 125 001, Haryana, India

Mobile: 9034043909

E-mail: [rajeshlohchab@gmail.com](mailto:rajeshlohchab@gmail.com), [rajeshlohchab@gjust.org](mailto:rajeshlohchab@gjust.org)

Name : Rajesh Kumar Lohchab  
Present Position : Professor  
Year with Organization/Entity : 24 Years (Date of Joining 2<sup>nd</sup> 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 : 2<sup>nd</sup> January, 1973  
Father's Name : Sh. Kattar Singh  
Nationality/Religion : Indian/Hindu  
Passport Number : Z3009820  
Phone : 91-9034043909  
E-Mail : [rajeshlohchab@gmail.com](mailto:rajeshlohchab@gmail.com),  
[rajeshlohchab@gjust.org](mailto:rajeshlohchab@gjust.org)

## Education

### 1) Qualifications:

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

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**

- i. From 2<sup>nd</sup> July, 2017 to till date working as **Professor** in the Department of Environmental Sciences and Engineering in Guru Jambheshwar University, Hisar.

### **Involved in Administrative Activities:**

1. **Worked as Dean Alumni Relations, GJU&T, Hisar from 2019 to 2022**
  2. **Worked as Chairperson, Department of Environmental Science and Engineering, GJUS&T, Hisar from June, 2021 to 19<sup>th</sup> August, 2024.**
- ii. From 2<sup>nd</sup> July, 2014 to till date working as **Associate Professor** in the Department of Environmental Sciences and Engineering in Guru Jambheshwar University, Hisar.
  - iii. From 2<sup>nd</sup> July, 2001 to 1<sup>nd</sup> 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:** 13 students are registered for Ph.D and guided 50 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 60 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 10<sup>th</sup> March, 2000 to 29<sup>th</sup> 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 1<sup>st</sup> July, 1998 to 8<sup>th</sup> 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)**

### Research and Academic Contributions

#### Research paper

1. Singh, K., **Lohchab, R. K.**, Goel, G., Waziri, S. A., Aguedal, H., Allab, Y., & Kaswan, S. (2025). Innovative use of immobilized zinc oxide-impregnated activated carbon (ZnO@ CB) for effective treatment of leachate: modeling and predictive assessment. *Environmental Science and Pollution Research*, 32(23), 1-17.
2. Dhull, P., Kumar, S., Yadav, N., & **Lohchab, R. K.** (2024). A comprehensive review on anaerobic digestion with focus on potential feedstocks, limitations associated and recent advances for biogas production. *Environmental Science and Pollution Research*, 1-36.
3. Dhull, P., **Lohchab, R. K.**, Kumar, S., Kumari, M., Shaloo, & Bhankhar, A. K. (2024). Anaerobic digestion: advance techniques for enhanced biomethane/biogas production as a source of renewable energy. *BioEnergy Research*, 17(2), 1228-1249.
4. Dhull, P., **Lohchab, R. K.**, Kumari, M., Singh, K., & Bhankhar, A. K. (2024). A Facile Method for Synthesis of  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> Nanoparticles and Assessment of Their Characterization. *Nature Environment & Pollution Technology*, 23(1), 321-330.
5. Dhull, P., Mozhiarasi, V., Kumar, S., Rose, P. B., & **Lohchab, R. K.** (2024). Current and prognostic overview of digestate management and processing practices, regulations and standards. *Biocatalysis and Agricultural Biotechnology*, 61, 103345.
6. Dhull, P., Singh, K., Bhankhar, A. K., & **Lohchab, R. K.** (2024) Characterization of Rice Straw and Biogas Production under Mesophilic Conditions. *Annals of Agri-Bio Research*, 29 (1), 8-16.
7. Singh, K., **Lohchab, R. K.**, & Kumari, M. (2024). Impregnation of zinc oxide nanoparticles on activated carbon synthesised from corncob for appraisal of leachate chemical oxygen demand removal potential. *International Journal of Environmental Analytical Chemistry*, 104(16), 4209-4232.

8. Singh, K., **Lohchab, R. K.**, Beniwal, V., Rout, C., & Dhull, P. (2024). Using predictive models unravel the potential of titanium oxide-loaded activated carbon for the removal of leachate ammoniacal nitrogen. *Environmental Monitoring and Assessment*, 196(6), 552.
9. Singh, K., **Lohchab, R. K.**, Nain, A., & Kumari, M. (2024). Evaluation of dynamic characteristics and contemporary management of institutional solid wastes. *International Journal of Environment and Waste Management*, 35(1), 1-21.
10. Dhull, P., Kumar, S., Yadav, N., & **Lohchab, R. K.** (2023). Green Technology for Biogas Production through Anaerobic Digestion: An Effective Biomass Management Strategy. *Research Square*, 1-77.
11. Kumari, M., **Lohchab, R. K.**, Singh, K., & Hartash, A. (2023). Potential of Rice Straw as Biotemplate of TiO. *Annals of Agri-Bio Research*, 28 (1), 7-11.
12. Kumari, M., Singh, K., Dhull, P., **Lohchab, R. K.**, & Haritash, A. K. (2023). Sustainable Green Approach of Silica Nanoparticle Synthesis Using an Agro-waste Rice Husk. *Nature Environment & Pollution Technology*, 22(1), 477-487.
13. Singh, K., **Lohchab, R. K.**, Aguedal, H., Goel, G., & Kataria, N. (2023). Optimizing leachate treatment with titanium oxide-impregnated activated carbon (TiO<sub>2</sub>@ ASC) in a fixed-bed column: characterization, modeling, and prediction study. *Environmental Science and Pollution Research*, 30(38), 88450-88462.
14. Singh, K., **Lohchab, R. K.**, Kumar, V., & Kumar, A. (2023). Degradation of ammoniacal nitrogen (NH<sub>3</sub>-N) in leachate by zinc oxide loaded activated carbon: Process parameters modelling and optimization through RSM design. *Bioresource Technology Reports*, 24, 101602.
15. Singh, K., **Lohchab, R. K.**, Kumari, M., & Beniwal, V. (2023). Potential of TiO<sub>2</sub> loaded almond shell derived activated carbon for leachate treatment: isotherms, kinetics, and Response Surface Methodology. *International Journal of Environmental Analytical Chemistry*, 103(19), 7625-7646.

16. Yadav, S., Devi, P., Boora, A., Kumar, P., **Lohchab, R. K.**, & Kumar, A. (2023). Prevalence, extended-spectrum  $\beta$ -lactamase and biofilm production ability of *Escherichia coli* isolated from buffalo mastitis. *The Indian Journal of Animal Sciences*, 93(12), 1145-1149.
17. Singh, Kulbir., **Lohchab, R. K.**, Dhull, Paramjeet., Kumari, Priti., Choudhary, Vishu., & Bala, Jyoti. (2022). Solid wastes generation at various zones of universities campus: characterisation and its management approaches. *Pollution Research*, 41(2), 557-568.
18. Nain, A., **Lohchab, R. K.**, Singh, K., Kumari, M., & Saini, J. K. (2021). MSW stabilization in an anaerobic bioreactor landfill and evaluation of in-situ leachate treatment potential with the help of quadric model. *Journal of Material Cycles and Waste Management*, 23(6), 2192-2207.
19. Nain, Anil., **Lohchab, R. K.**, Singh, K., Kumari, Mikhlesh., Saini, J. K., & Dhull, Paramjeet. (2021). Characterization and categorization of municipal solid waste of a disposal site: an investigation for scientific management. *Poll Res*, 40, 877-883.
20. Kaur, D., Bhardwaj, N. K., & **Lohchab, R. K.** (2019). Effect of incorporation of ozone prior to ECF bleaching on pulp, paper and effluent quality. *Journal of Environmental Management*, 236, 134-145.
21. Kaur, D., Bhardwaj, N. K., & **Lohchab, R. K.** (2019). Environmental aspect of using chlorine dioxide to improve effluent and pulp quality during wheat straw bleaching. *Waste and Biomass Valorization*, 10(5), 1231-1239.
22. Kaur, D., Bhardwaj, N. K., & **Lohchab, R. K.** (2019). Impact of modifying conventional chlorine dioxide stage to hot chlorine dioxide during rice straw pulp bleaching on pulp, paper and effluent characteristics. *Cellulose*, 26(12), 7469-7482.
23. Prasad, H., **Lohchab, R. K.**, Singh, B., Nain, A., & Kumari, M. (2019). Lime treatment of wastewater in a plywood industry to achieve the zero liquid discharge. *Journal of Cleaner Production*, 240, 118176.
24. Saini, J. K., **Lohchab, R. K.**, Nain, Anil., & Kumari, M. (2019). Designing of anaerobic hybrid reactor to treat household sewage for decentralised system. *Pollution Research*, 38(1), 204-210.

25. Kaur, D., Bhardwaj, N. K., & **Lohchab, R. K.** (2018). A study on pulping of rice straw and impact of incorporation of chlorine dioxide during bleaching on pulp properties and effluents characteristics. *Journal of Cleaner Production*, 170, 174-182.
26. Kaur, D., Bhardwaj, N. K., & **Lohchab, R. K.** (2018). Reduction in chlorophenolic compounds during bleaching of rice straw pulp by replacing elemental chlorine with chlorine dioxide. *International Journal of Environmental Science and Technology*, 15(5), 1113-1122.
27. Saini, J. K., **Lohchab, R. K.**, Anil Nain, A. N., & Kulbir Singh, K. S. (2018). Decentralised household sewage treatment in UASB reactor, *Annals of Agri-Bio Research*, 23(2), 136-140.
28. Bishnoi, S., **Lohchab, R. K.**, & Bishnoi, N. R. (2017). Assessment of sociol-economic impacts of Rajiv Gandhi Thermal Power Plant (RGTPP). *International Journal of Science, Engineering and Computer Technology*, 7(2), 86-89.
29. Bishnoi, S., **Lohchab, R. K.**, & Bishnoi, N. R. (2017). Elemental and Radiological Analysis of Fly and Bottom ash from Rajiv Gandhi Thermal Power Plant, *J. Env. Bio-Sci*, 31(2), 405-408.
30. Kaur, D., Bhardwaj, N. K., & **Lohchab, R. K.** (2017). Improvement in rice straw pulp bleaching effluent quality by incorporating oxygen delignification stage prior to elemental chlorine-free bleaching. *Environmental Science and Pollution Research*, 24(30), 23488-23497.
31. Kaur, D., Bhardwaj, N. K., & **Lohchab, R. K.** (2017). Prospects of rice straw as a raw material for paper making. *Waste Management*, 60, 127-139.
32. **Lohchab, R. K.**, & Singh, U. (2017). Performance evaluation of a landfill leachate recirculation treatment system using quadric model. *Journal of Environmental Biology*, 38(6), 1313-1320.
33. **Lohchab, R. K.**, Agrawal, D. K., & Kaushik, C. P. (2017). Tourism impacts on the water quality of Bhimtal lake in central Himalaya. *Pollution Research*, 36(2), 296-305.
34. Mahajan, A., Nain, K. S., & **Lohchab, R. K.** (2017). Photocatalytic degradation of pulp & paper mill wastewater using ZnO photocatalyst. *Int. J. Emerg. Technol. Adv. Eng*, 7, 623-628.

35. Saini, J. K., & **Lohchab, R. K.** (2017). Performance of UASB reactor to treat distillery spent wash under various operating conditions. *Ann Biol*, 33(1), 10-15.
36. Sihag, S., & **Lohchab, R. K.** (2017). Effects of sewage sludge bio-available heavy metals on agricultural soils and wheat crop. *J Environ Biol Sci*, 31(1), 247-254.
37. Rastogi, M., **Lohchab, R. K.**, & Nandal, M. (2016). Efficacy of Leachate recirculation on municipal solid waste stabilization in a bioreactor. *Ann. Agri-Bio Rese*, 21, 124-129.
38. Saini, J. K., Saini, A., & **Lohchab, R. K.** (2016). Rice mill wastewater treatment by upflow anaerobic sludge blanket reactor. *Int J Plant, Anim Environ Sci*, 6(3), 128-134.
39. **Lohchab, R. K.**, & Nain, A. (2015). Anaerobic Treatment of MSW Using Leachate Recirculation Bioreactor: A Case Study of Rohtak City. *Nature Environment & Pollution Technology*, 14(4), 919-922.
40. **Rajesh Lohchab, R. L.**, & Rachna Shrivastava, R. S. (2015). MSW management for Sirsa (Haryana) using leachate recirculation bioreactor landfill. *Annals of Agri-Bio Research*, 20(1), 1-6.
41. Nain, A., & **Lohchab, R. K.** (2015). Anaerobic treatment of MSW of Hansi in leachate recirculation bioreactor. *Ann Biol*, 31(1), 46-50.
42. Saini, J. K., & **Lohchab, R. K.** (2014). Effect of Increasing feed concentration and decreasing HRT on performance of UASB reactor treating dairy wastewater. *International Journal of Current Research*, 6, 4944-4947.
43. **Lohchab, R.K.**, & Snehlata (2013). Pharmaceutical Waste Water Treatment – Potential of UASB Reactor. *International Journal of Engineering and Technology*, 3(5), 2112-2114.
44. **Lohchab, R. K.**, & Verma, S. (2012). Anaerobic Treatment of Dairy Effluent by Using UASB Reactor. *Environ. We Int. J. Sci. Tech*, 7, 123-129.
45. Kumar S., **Lohchab, R. K.** (2011). Solid Waste Stabilization by Leachate Recirculation: A Comparative Study. *search and research*, 2(2), 173-177.

46. **Lohchab, R. K.** (2011). Pollution of water and its health impact at Bhimtal: A tourist destination of Kumaun, Himalaya. *Indian Journal of Health and Wellbeing*, 2(1), 201-203.
47. **Lohchab, R. K.**, & Sheetal. (2011). Municipal and Poultry Waste Treatment by Leachate Recirculation. *journal of Environment and Bio-Sciences*, 25(1), 147-150.
48. **Lohchab, R. K.**, Agrawal, D. K., & Kaushik, C. P. (2011). Estimation, characterisation and management of solid wastes in Bhimtal (a tourist destination) in Kumaun Central Himalaya, India. *International Journal of Environment and Waste Management*, 7(3-4), 305-315.
49. **Lohchab, R. K.**, Hooda, J., & Gupta, A. (2011). Anaerobic Treatment of Dairy Waste Water in UASB Reactor. *Annals of Biology*, 27(1), 23-29.
50. Singh, R., Kumar, A., Kirrolia, A., Kumar, R., Yadav, N., Bishnoi, N. R., & **Lohchab, R. K.** (2011). 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(2), 677-682.
51. **Lohchab, R. K.** (2010). Socio-economic and environmental impacts of tourism at Bhimtal and its management. *Ann. Agri-Bio Res*, 15, 157-163.
52. **Lohchab, R. K.** (2010). Tourism growth and its social problems at Bhimtal, Kumaun Himalaya. *Indian Journal of Health and Wellbeing*, 1(1-2), 131-133.
53. **Lohchab, R. K.**, & Kumar, M. (2010). Mesophilic and thermophilic treatment of distillery wastewater: A comparative study. *Environment and We: An Int. J. Sci. and Technol*, 5, 185-204.
54. Poonam, **Lohchab, R. K.**, Yadav, M. (2010). Methylene Blue Bioadsorption Potential of Agricultural Weed *Achyranthes Aspera*. *journal of environment and bio-sciences*, 24(2), 139-145.
55. Vikas Beniwal, V. B., Vinod Chhokar, V. C., **Lohchab, R. K.**, & Jitender Sharma, J. S. (2010). Effect of organic solvents on the activity of tannase from *Enterobacter cloacae* MTCC 9125, *Annals of Biology*, 26(2), 95-100.

56. Agrawal, D. K., **Lohchab, R. K.**, Mehra, B. S., & Kaushik°, C. P. (2007). Study of Desilting Operations at Bhimtal Lake, Kumaun. *Indian Journal of Environmental Sciences*, 11(2), 79-88.
57. **Kumar, R.**, Kaushik, C. P., & Agarwal, D. K. (2002). Site feasibility environmental impact assessment for the establishment of a coal-based thermal power plant at Dewas in Madhya Pradesh. *International journal of environmental studies*, 59(5), 537-557.

### **International Conference**

**Lohchab, R. K.**, Agrawal, D.K. and Goel R.S. (2002). Management of environmental disasters in Indian Himalayan region- problems and remedies. *International Conference on Construction Industry*, IEI, Chandigarh, 815-829.

### **Patent**

Kumari, M., Singh, K., **Lohchab, R. K.**, Dhull, P., Suresh Kaswan (2024). Green Fabrication of Silica oxide Nanoparticles Using Rice straw and Fabrication Process Optimization with RSM-CCD model. (*Patent office journal no. 17/2024 dated 26/04/2024 application no. 202411001427*)

### **Book Published**

1. **Lohchab, R. K.**, & Nain, A. (2018). Municipal solid waste stabilization by leachate recirculation. *IAHRW Publications Private Limited*. 978-81-920953-2-10, 98.

2. **Lohchab, R. K.**, and Saini J. K. (2017). Industrial wastewater Treatment. *IAHRW Publications Private Limited*. 978-81-920953-2-9, 84.
3. Gupta A, Bishnoi N.R., and **Lohchab R. K.** (2017). 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. Bishnoi N.R., Kaushik A., Baskar R., Gupta A., Singh N. and **Lohchab R K.** (2011). 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*. 978-93-80872-44-5, 258.

### Modules and Book Chapters

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

4	<b>Lohchab R. K. and Nain A.</b>	Land Resources and Pollution	Environment Management (CP-103)	MBA- 1st Semester	DISTANCE EDUCATION, GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR
5	<b>Lohchab R. K. and Kumari M.</b>	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
<b>Minor Project Completed</b>						
1	Sept 2024	<b>Lohchab R.K.</b>	Evaluation of the Sewage Treatment Plant (STP) at Rajiv Gandhi Thermal Power Station	<b>HPGCL</b>	<b>75000/-</b>	<b>2Month</b>
2	June, 2017	<b>Lohchab R K</b>	Characteristics and Stability Analysis of Municipal Solid Waste Treatment by Leachate Recirculation	<b>DST-PURSE</b>	<b>1.2 Lacs</b>	<b>1 Years</b>
<b>Major Project completed</b>						
1.	2012	<b>Lohchab R.K.</b>	Low-Cost Technology Development for Treatment of Rural Areas Household Wastewater/Sewage	AICTE	Rs. 24,70,000/-	3 Years
2.	2011	<b>Lohchab R.K.</b>	Anaerobic treatment of municipal solid waste in leachate recirculation bioreactor	UGC	Rs. 10,69,800/-	3 Years
<b>Minor Project Completed</b>						
1.	2001	<b>Lohchab R.K.</b>	Effect of land use changes in the catchment area on siltation of Bhimtal lake	UGC		1Year
2.	2010	<b>Lohchab R.K.</b>	Treatment of Industrial Wastewater by Using UASB Reactor	GJUS&T		1Year
<b>Consultancy Project Carried Out (Completed)</b>						
1.	2004	<b>Kausik C.P., Kaushik A. and Lohchab R.K.</b>	Impact Assessment and Environment management Plan for Plywood Industries in Yamunanagar, Haryana	UGC Environment Department, Govt. of Haryana, Chandigarh	-----	
2.	2007	<b>Kausik C.P., Kaushik A. and Lohchab R.K.</b>	Impact Assessment of Noise of Gurgaon and Faridabad city, Haryana	Environment Department, Govt. of Haryana, Chandigarh	-----	
3.	30-08-2010	<b>Bishnoi N.R. and Lohchab R.K.</b>	Environmental Monitoring	JCB India Limited, Ballabgarh	1,74,040/-	
4.	18-11-	<b>Bishnoi N.R. and</b>	Environmental Monitoring	Escort Pvt. Ltd,	3,28,304/-	

	2010	<b>Lohchab R.K.</b>		Faridabad		
<b>5.</b>	10-05-2011	<b>Bishnoi N.R. and Lohchab R.K.</b>	Environmental Monitoring	Asian Paint Ltd, Rohtak	3,49,832	
<b>6.</b>	31-10-2011	<b>Bishnoi N.R. and Lohchab R.K.</b>	Environmental Monitoring	Escort Construction & Equipment Ltd., Balbharh	2,36,000/-	
<b>7.</b>	9-11-2011	<b>Bishnoi N.R. and Lohchab R.K.</b>	Environmental Monitoring	Escort Pvt. Ltd., Faridabad	4,32,090/-	
<b>8.</b>	03-01-2012	<b>Bishnoi N.R. and Lohchab R.K.</b>	Environmental Monitoring	JCB India Ltd, Balabharh	2,18,509/-	
<b>9.</b>	17-09-2024	<b>Rajesh Kumar</b>	Performance assessment of the existing STP of 400 KLD of RGTPP colony, Khedar	RGTPP, Khedar	75000/-	

## 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.	5 <sup>th</sup> June 2018
2.	Jitender Saini	12049006	Oct, 2012	Development of anaerobic Hybrid Reactor technology for household Wastewater treatment.	28 <sup>th</sup> June 2019
3.	Anil	14049005	March, 2014	Dynamic Characteristics and Stability Analysis of Municipal solid Waste treatment by Leachate Recirculation.	29 <sup>th</sup> Sept. 2021
4.	Daljeet Kaur	14049007	March, 2014	Reduction in pollution load in wastewater from rice straw pulp bleaching through process modification.	18 <sup>th</sup> Dec 2019
5.	Kulbir Singh	180040090002	March, 2018	Solid waste generation in Educational Institutions and their leachate treatment by Nanoparticle loaded adsorbent.	30 <sup>th</sup> March 2022
6.	Mikhlesh Kumari	180040090001	March, 2018	Treatment of wastewater by Nanoparticle synthesized using agro-waste.	27 <sup>th</sup> March 2023
7.	Paramjeet Dhull	190040090002	May, 2019	Appraisal of impact of metal nanoparticles on co-digestion of wastes and methane production.	21 <sup>st</sup> June 2024
8.	Ashok Kumar	190040090006	Nov 2019	Environmental Mastitis in Buffaloes: Challenges and Management	Pursuing
9.	Priti Kumari	190040090106	July, 2021	Composting of rice straw using microorganisms and nanoparticles.	Pursuing
10.	Jyoti Bala	190040090109	July, 2021	Landfill leachate treatment by using nanoparticles loaded adsorbents prepared from agro-waste.	Pursuing
11.	Vishu Choudhary	190040090112	July 2021	Assessment of impacts of crop residue burning on soil Health.	Pursuing

12.	Deepak	200040090102	Dec, 2021	Bioethanol production from agricultural waste residues using nano additive.	Pursuing
13.	Shabnam	210040090101	March, 2023	Removal of phosphate and nitrate from wastewater using nanomaterial loaded activated carbon prepared from agro-waste.	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 Comparatives 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 diary 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 Indo-Gangetic 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 Prepares 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	2019
42	Himanshi	170040410009	Removal of Dye from simulated wastewater using Nanocellulose prepared by rice straw.	2019
44	Monika	180040410006	Estimation of solid waste Generation and Management of Rural Area: A case study of Budana Village.	2022
45	Birjesh	190040410005	An Assessment of the Impact of COVID-19 on air quality of Delhi.	2022
46	Ashwani Kumar	200040410002	Effect of Burning of Crop Residue on the Physical Parameter of soil.	2023
47	Neeru	200040410008	Evaluation of Treatment of Pre-treatment Laboratory Chemical Waste Water in Sewage Treatment Plant.	2023
48	Yogender	200040410020	Treatment of Laboratory Wastewater using Activated Carbon Synthesized from Sugarcane Bagasse	2023
49	Sandeep	20040410014	Co-composting of Rice Straw with Poultry Waste	2023
50	Siddhant	210040410002	Synthesis of activated carbon from different agricultural wastes and their application in waste water treatment: A comparative study.	2024
51	Dinesh Kumar	220040410003	Design of UASB based sewage treatment plant under ganga action plan	

### 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 Economics for Practicing Scientists and Ecologists	October 16-20, 2001	GBPIHED, Almora
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
<b>International Conference/Seminar</b>					
1	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
2	December 8-10, 2016	Hinduism Belief of Environment and Its Protection	International Conference on Nurturing Human Values in Youth: A Perspective of Srimad	Guru Jambheshwar Ji Maharaj Institute	Hisar

			Bhagwad Gita	of Religious Studies, GJUS&T	
3	November 11-12, 2016	Environmental Psychology: Stress and its Management	International Conference on Youth and Well Being	Department of Applied Psychology, GJUS&T	Hisar
4	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)
5	December 4-5, 2010	Solid Waste Stabilization by Leachate Recirculation Bioreactor: A Comparative Study	International Conference on Concurrent Techno and Enviro Search	Search and Research Group	NITTTTR, Bhopal
6	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
<b>National Conference/Seminar</b>					
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 <sup>th</sup> 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	Deptt. of ESE, GJUS&T	Hisar

			Science and Engineering (MAFAESE- 2011)		
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
<b>Invited lectures in Conference/Seminar/ Refresher Course</b>					
1	07/12/2024	Lecture delivered on Environmental Pollution Management	UGC Sponsored Faculty Induction Programme- 07	HRD Centre, GJUS&T	Hisar
2	04/07/2023	Lecture delivered on Solid Waste Management and Leachate Treatment by Recirculation	UGC Sponsored Refresher Course on Environment Studies	HRD Centre, GJUS&T	Hisar
3	24/02/2022	Lecture delivered on Solid Waste Management	UGC Sponsored Refresher Course on	HRD Centre,	Hisar

			Environmental Sciences	GJUS&T	
4	March 25-26, 2019	Use of Rice Straw in Paper Making: A Sustainable Approach	2nd International Conference on Sustainable Technologies for Environmental Management	Department of Environmental Engineering, (DTU)	Delhi
5	27/05/2017	Lecture delivered on Environmental Pollution: Cause and Effects	UGC Sponsored Refresher Course on Environment	HRD Centre, GJUS&T	Hisar
6	27/05/2017	Lecture delivered on Environmental Pollution Control	UGC Sponsored Refresher Course on Environment	HRD Centre, GJUS&T	Hisar
7	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
8	22/07/2015	EIA, Environmental Policies and Laws in India	Training Programme on Environment Management	HIRD	Nilokheri
9	09/06/2015	Lecture delivered on Environmental Pollution Control	UGC Sponsored Orientation Programme- 21	HRD Centre, GJUS&T	Hisar
10	01/12/2014	Lecture delivered on Environmental Enrichment	training programme for NSS Programme officers	at DSW Complex, CCSHAU	Hisar
11	December 26, 2011	Delivered Lecture on Industrial Pollution Management	Refresher Course in Life Sciences	Academic Staff College., GJUST	Hisar
<b>Conference/Seminar Organization</b>					
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
<b>GAIN MHRD Course</b>					

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. No.	Held	Invited talk/Session Chair	Conference/seminar/Refresher Course	Organizer	Place
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 <sup>th</sup> 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.	Sept 20, 2013	Ozone Day Celebration, Deptt. Of ESE, GJUS&T, Hisar
13	April 22, 2015	Organizing secretary of Earth Day celebration organized by Deptt. Of ESE, GJUS&T, Hisar

### 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		
21.	12-4-2016 no. Acad/AC-II/F 10/2016/2160-69	Board of Post-graduate Studies & Research in Environmental Science Engineering	GJUST	2
22.	12-4-2016 no. Acad/AC-II/F 10/2016/2160-69	Board of Post-graduate Studies & Research in Environmental Science Engineering	GJUST	2
23.	12-4-2016 no. Acad/AC-II/F 10/2016/2160-69	Board of Post-graduate Studies & Research in Environmental Science Engineering	GJUST	2
24.	17-11-2023 no. IKGPTU/REG/NF/ACAD/2125	Board of Studies for Post-graduate Studies in Environmental Sciences	IKGPTU	2
25.	10-01-2024 no. AC-II//2024/20636-20644	Board of Studies for the Deptt. of Energy & Environmental Sciences	CDLU	2