

Curriculum Vitae

1. Name: Sheo Prasad Shukla
2. Father's Name: Sri Ram Lakhan Shukla
3. Address: Professor, Civil Engineering Department,
Institute of Engineering & Technology Lucknow,
Dr. APJ Abdul Kalam Technical University
(Formerly Uttar Pradesh Technical University)
Lucknow, U.P., India - 226 021
E-mail: sps.iet@gmail.com
Mobile: +91 9415190054
4. Date of Birth: 10th June 1966
5. Present Position: Professor, Civil Engineering Department
6. Areas of Interest: Civil Engineering; Environmental Engineering

7. Educational Qualification:

S. No.	Name of Exam.	Board/ University	Year	Subjects (Specialization)	Marks	Division	Honors etc.
1.	High School	U.P. Board Allahabad	1979	Hindi, English, Math, Sanskrit, Science	72.4%	First	Distinction in English & Sanskrit
2.	Intermediate	U.P. Board Allahabad	1981	Hindi, English, Math, Physics, Chemistry	68.0%	First	Distinction in Math & Physics
3.	B. E.	Univ. of Gorakhpur (MMMEC Gorakhpur) (Presently MMMUT Gorakhpur)	1987	Civil Engineering	83.3%	First	Honors, Merit Scholarship
4.	M. E.	Univ. of Roorkee (now IIT Roorkee)	1989	Civil Engg. (Environmental Engg.)	80.3%	First	Honors
5.	Ph. D.	Indian Institute of Technology Kanpur	2007	Civil Engg. (Environmental Engg.)	CPI 10 out of 10 with Grade 'A' in all 06 theory subjects		

GATE Score in 1987: 94.77 percentile

8. Employments/ Experience:

S. No.	Name of Institution	From	To	Position & Scale	Duties
1.	Institute of Engineering and Technology Lucknow	24-07-89	23-10-89	Teaching Assistant Rs. 1200 (fixed)	<ul style="list-style-type: none"> • Teaching in UG & PG classes • Research work • Project work • Academic work • Administrative work • Consultancy work
2.		24-10-89	28-04-91	Lecturer (Adhoc) Rs. 8000-13500	
3.		29-04-1991	28-04-2001	Lecturer Rs. 8000-13500	
4.		29-04-2001	31-12-2005	Assistant Professor Rs. 12000-18300	
5.		01-01-2006	31-08-09	Associate Professor Rs. 37400-67000 (AGP 9000)	
6.		01-09-09	Till date	Professor Rs. 37400-67000 (AGP 10000)	

9. Teaching Experience:

28 years teaching experience at IET Lucknow.

10. Scholarship/ Awards/ Prizes Received:

- (i) **Surendra Nath Mukherjee Memorial Prize** from Institution of Engineers (India) on December 14, 2012 for paper titled *Water quality index of surface water quality in an industrial area in Kanpur City* during 2010-11.
- (ii) **GATE scholarship** during M.E. from 1987-89.
- (iii) **College Merit scholarship** during B.E. from 1983-87.

11. Research Contributions:

(i) **Book Co-Author:**

Foundation of Environmental Studies: A Publication of U.P.T.U., Lucknow in arrangement with Galgotia Publications Pvt. Ltd., 5, Ansari Road, Daryaganj, New Delhi-110002. First edition: 2005, ISBN: 81-7515-483-7.

(ii) **Publications:** 89

[Citations: 253; h-index: 7; i10-index: 6 as per Google Scholar]

International Journals: 19

National Journals: 20

Book Chapters: 02

Thesis: 02

International Seminars/ Conferences/ Workshops: 16

National Seminars/ Conferences/ Workshops: 30

International Journals

1. Markandeya, **Shukla, S.P.** and Dhiman, N. (2017). *Characterization and adsorption of disperse dyes from wastewater onto cenospheres activated carbon composites*. Environmental Earth Sciences, 76(20): 702, DOI: 10.1007/s12665-017-7030-x (**Springer Journal**). ISSN: 1866-6280 (print), 1866-6299 (electronic). **Impact Factor: 1.56**.
2. Nagar, P.K., Singh, D., Sharma, M., Kumar, A., Aneja, V.P., George, M.P., Agarwal, N. and **Shukla, S.P.** (Accepted). *Characterization of PM_{2.5} in Delhi: Role and Impact of Secondary Aerosol, Burning of Biomass and Municipal Solid Waste and Crustal Matter*. Environmental Science and Pollution Research, DOI: 10.1007/s11356-017-0171-3 (**Springer Journal**). **Impact Factor: 2.74**. ISSN: 0944-1344 (Print) 1614-7499 (Online).
3. Markandeya, **Shukla, S.P.**, Dhiman, N., Mohan, D., Kisku, G.C. and Roy, S. (2017). *An Efficient Removal of Disperse Dye from Wastewater Using Zeolite Synthesized from Cenospheres*. Journal of Hazardous, Toxic, and Radioactive Waste Mgmt, 21(4), A4017017, 1-12, DOI: 10.1061/(ASCE)HZ.2153-5515.0000369 (**ASCE Journal**). ISSN: 2153-5493, eISSN: 2153-5515. Cited by 1.
4. **Shukla, S.P.**, Tiwari, S., Markandeya, Mohan, D. and Pandey, G. (2017). *Removal of fluoride from aqueous solution using Psidium guajava leaves*. Desalination and Water Treatment, 62, 418-425, DOI: 10.5004/dwt.2017.0081 (**Taylor & Francis Journal**). **Impact Factor: 1.63**. ISSN 1944-3994 (print), 1944-3986 (online).
5. Markandeya, **Shukla, S.P.** and Kisku, G.C. (2017). *Toxicity of Disperse Dyes and its Removal from Wastewater Using Various Adsorbents: A Review*. Research Journal of Environmental Toxicology, 11(2), 72-89, DOI: 10.3923/rjet.2017 (**Academic Journals Inc., USA**). pISSN: 1819-3420.
6. Markandeya, Dhiman, N., **Shukla, S.P.** and Kisku, G.C. (2017). *Statistical Optimization of Process Parameters for Removal of Dyes from Wastewater on Chitosan Cenospheres Nanocomposite using Response Surface Methodology*. Journal of Cleaner Production, 149, 597-606, DOI: 10.1016/j.jclepro.2017.02.078 (**Elsevier Journal**). ISSN 0959-6526. **Impact Factor: 5.72**. Cited by 5.
7. Mukhopadhyay, S., Masto, R.E., Yadav, A., George, J., Ram, L.C., **Shukla, S.P.** (2016). *Soil Quality Index for Evaluation of Reclaimed Coal Mine Spoil*. Science of the Total Environment, 542, Part A, 540-550, DOI: 10.1016/j.scitotenv.2015.10.035 (**Elsevier Journal**). ISSN 0048-9697. **Impact Factor: 4.90**. Cited by 14.
8. Behera, S.N., Sharma, M. and **Shukla, S.P.** (2016). *Characterization of gaseous pollutants*

and water-soluble inorganic ions in $PM_{2.5}$ during summer-time at an urban site of north India. *Journal of Hazardous, Toxic, and Radioactive Waste Mgmt*, 20(4), 4015002, 1-9, DOI: 10.1061/(ASCE)HZ.2153-5515.0000299 (**ASCE Journal**). ISSN: 2153-5493, eISSN: 2153-5515. Cited by 2.

9. Singh, D., **Shukla, S.P.**, Sharma, M., Behera, S.N., Mohan, D., Singh, N.B. and Pandey, G. (2016). *GIS-based on-road vehicular emission inventory for Lucknow city*. *Journal of Hazardous, Toxic, and Radioactive Waste Mgmt*, 20(4), A4014006, 1-10, DOI: 10.1061/(ASCE)HZ.2153-5515.0000244 (**ASCE Journal**). ISSN: 2153-5493, eISSN: 2153-5515. Cited by 4.
10. Markandeya, Singh, A., **Shukla, S.P.**, Mohan, D., Singh, N.B., Bhargava, D.S., Shukla, R., Pandey, G., Yadav, V.P. and Kisku, G.C. (2015). *Adsorptive Capacity of Sawdust for the Adsorption of MB Dye and Designing of Two Stage Batch Adsorber*. *Cogent Environmental Science*, 1(1), 1-16, DOI: 10.1080/23311843.2015.1075856 (**Taylor & Francis Group Journal**). ISSN: 2331-1843. Cited by 3.
11. Tiwari, M., **Shukla, S.P.**, Mohan, D., Bhargava, D.S. and Kisku, G.C. (2015). *Modified Cenospheres as an Adsorbent for the Removal of Disperse Dyes*. *Advances in Environmental Chemistry*, 2015, 8 pages, DOI: 10.1155/2015/349254 (**Hindawi Publishing Corporation**). Cited by 5.
12. Markandeya, **Shukla, S.P.** and Kisku, G.C. (2015). *Linear and Non-Linear Kinetic Modeling for Adsorption of Disperse Dye in Batch Process*. *Research Journal of Environmental Toxicology*, 9(6), 320-331, DOI: 10.3923/rjet.2015.320.331 (**Academic Journals Inc., USA**). pISSN: 1819-3420. Cited by 5.
13. Kisku, G.C., Markandeya, **Shukla, S.P.**, Singh, D.S. and Murthy, R.C. (2015). Characterization and adsorptive capacity of coal fly ash from aqueous solutions of disperse blue and disperse orange dyes. *Environmental Earth Sciences*, 74(2), 1125-1135, DOI: 10.1007/s12665-015-4098-z (**Springer Journal**). ISSN: 1866-6280 (print), 1866-6299 (electronic). **Impact Factor: 1.56**. Cited by 7.
14. Gaur, A., Tripathi, S.N., Kanawade, V.P., Tare, V. and **Shukla, S.P.** (2014). *Four-year measurements of trace gases (SO_2 , NO_x , CO, and O_3) at an urban location, Kanpur, in Northern India*. *Journal of Atmospheric Chemistry*, 71(4), 283-301, DOI: 10.1007/s10874-014-9295-8 (**Springer Journal**). ISSN 0167-7764 (Print), 1573-0662 (Online). **Impact Factor: 1.68**. Cited by 32.
15. Behera, S.N., Sharma, M., Nayak P., **Shukla, S.P.** and Gargava P. (2014). *An approach for evaluation of proposed air pollution control strategy to reduce levels of nitrogen oxides in an urban environment*. *Journal of Environmental Planning and Management*, 57(4), 467-494, DOI: 10.1080/09640568.2012.750600 (**Taylor & Francis Journal**). ISSN 0964-0568 (Print), 1360-0559 (Online). **Impact Factor: 1.56**. Cited by 7.
16. Singh, K.P., Gupta, S., Kumar, A. and **Shukla, S.P.** (2012). *Linear and nonlinear modeling approaches for urban air quality prediction*. *Science of the Total Environment*, 426, 244-255, DOI: 10.1016/j.scitotenv.2012.03.076 (**Elsevier Journal**). ISSN 0048-9697. **Impact Factor: 4.90**. Cited by 57.
17. Behera, S.N., Sharma, M., Dikshit, O. and **Shukla, S.P.** (2011). *GIS-based emission inventory, dispersion modeling and assessment for source contributions of particulate matter in an urban environment*. *Water, Air, & Soil Pollution*, 218 (1-4), 423-436, DOI: 10.1007/s11270-010-0656-x (**Springer Journal**). ISSN 0049-6979 (Print), 1573-2932 (Online). **Impact Factor: 1.70**. Cited by 23.
18. **Shukla, S.P.** and Sharma, M. (2010). *Neutralization of rainwater acidity at Kanpur, India*. *Tellus B: Chemical and Physical Meteorology*, 62(3), 172-180, DOI: 10.1111/j.1600-0889.2010.00454.x (**Co-Action Publishing Journal**). ISSN 0280-6509 (Print), ISSN 1600-0889 (Online). **Impact Factor: 2.85**. Cited by 18.
19. **Shukla, S.P.** and Sharma, M. (2008). *Source apportionment of atmospheric PM_{10} in Kanpur, India*. *Environmental Engineering Science*, 25 (6), 849-861, DOI: 10.1089/ees.2006.0275 (**Mary Ann Liebert, Inc Journal**). ISSN 1092-8758 (Print), 1557-9018 (Online). **Impact Factor: 1.43**. Cited by 24.

National Journals

1. Gupta, V.K., Kaushal, R.K., and **Shukla, S.P.** (2017). *Multi-Stakeholder Strategic Framework Interface for Portable Battery Waste Management*. *International Journal of Civil Engineering and Technology*, 8(9), 588-594. ISSN: 0976-6316 (online), 0976-6308 (print).
2. Gupta, V.K., Kaushal, R.K., and **Shukla, S.P.** (2017). *Environmental Models for Portable Battery Waste Management*. *International Journal of Civil Engineering and Technology*, 8(8),

- 746-754. ISSN: 0976-6316 (online), 0976-6308 (print).
3. Markandeya, **Shukla, S.P.** and Kisku, G.C. (2016). *A Clean Technology for Future Prospective: Emission Modeling of Gas Based Power Plant*. Open Journal of Air Pollution, 5, 144-159. DOI: 10.4236/ojap.2016.54011. ISSN: 2169-2661 (online), 2169-2653 (print).
 4. Singh, D., Sharma, M., Khan, A.A. and **Shukla, S.P.** (2016). *Ambient Air Quality Modeling of 355 MW Gas Based Combined Cycle Power Plant in Complex Terrain*. Indian Journal of Air Pollution Control, 16(1), 10-16. ISSN: 0250-5231.
 5. Singh, N.B., Chauhan, S.N., Khare, A.K., Bhargava, D.S. and **Shukla, S.P.** (2015). *Model for Optimum Initial Earthworm Population in Vermicomposting*. Indian Journal of Environmental Protection, 35(3), 88-100. ISSN 0253-7141.
 6. **Shukla, S.P.** (2015). *Apportioning the Secondary Particles in Atmospheric PM₁₀ in a Residential Area*. International Journal of Engineering Research and General Science, 3(5), 316-326. ISSN 2091-2730. **Impact Factor: 3.84.**
 7. **Shukla, S.P.**, Sachan, S., Dwivedi, L., Sharma, K. J., Yadav, V.P. and Singh, N.B. (2015). *Air Quality Index for Uttar Pradesh with a focus on Lucknow*. International Journal of Scientific and Innovative Research, 3(1), 134-151. ISSN 2347-4971 (Online), ISSN 2347-2189 (Print).
 8. Tiwari, M., **Shukla, S.P.**, Shukla, N.K., Singh, R.B., Mumtaz, N., Gupta, V.K. and Kumar, V. (2014). *Emission profile of pollutants due to traffic in Lucknow City, India*. International Research Journal of Public and Environmental Health, 1(7), 150-157. ISSN 2360-8803. Cited by 3.
 9. **Shukla, S.P.**, Singh, A., Dwivedi, L., Sharma, K. J., Bhargava, D.S., Shukla, R., Singh, N.B., Yadav, V.P. and Markandeya (2014). *Minimization of contact time for two-stage batch adsorber design using second-order kinetic model for adsorption of methylene blue (MB) on used tea leaves*. International Journal of Scientific and Innovative Research, 2(1), 58-66. ISSN 2347-4971 (Online), 2347-2189 (Print). Cited by 7.
 10. Tiwari, M., **Shukla, S.P.**, Bhargava, D.S. and Kisku, G.C. (2013). *Color removal potential of Coal Fly Ash – A low cost adsorbent from aqueous solutions of disperse dyes used in textile mill through batch techniques*. Our Earth, 10(4), 5-7. ISSN 2249-3832. Cited by 7.
 11. Tiwari, M., **Shukla, S.P.**, Singh, N.B. and Bal, J.S. (2013). *Air dispersion modelling for air pollution mapping in the city of Pune Maharashtra*. International Research Journal of Management Science & Technology, 4(3), 575-597. ISSN 2250 – 1959 (Online) ISSN 2348 – 9367 (Print). Impact Factor: 0.83. Cited by 2.
 12. **Shukla, S.P.**, Yadav, S.K., Lohani, B., Biswas, S., Behra, S.N., Singh, N.B., Singh, N.K. (2012). *Characterization of traffic noise for a typical Indian road crossing*. Current Science, 103(10), 1193-1201. ISSN 0011-3891. **Impact Factor: 0.84.** Cited by 2.
 13. Somvanshi, S., Kunwar, P., Singh, N.B., **Shukla, S.P.** and Pathak, V. (2012). *Integrated remote sensing and GIS approach for water quality analysis of Gomti river, Uttar Pradesh*. International Journal of Environmental Sciences, 3 (1), 62-74. ISSN 0976-4402. Cited by 8.
 14. **Shukla, S.P.**, Agrawal, V., Singh, N.B., Shukla, R., Bhargava, D.S. and Behera, S.N. (2011). *Water quality index of surface water quality in an industrial area in Kanpur City*. Institution of Engineers (India) Journal-Environmental Engineering, 92, 18-22. ISSN 0251-110X.
 15. **Shukla, S.P.** and Sharma, M. (2010). *Seasonal variation of PM₁₀ in an Industrial Area*. Indian Journal of Environmental Protection, 30(7), 581-586. ISSN 0253-7141. Cited by 2.
 16. **Shukla, S.P.** and Pathak, V. (2010). *Monitoring urban environment for sustainable development: role of spatial technologies*. Indian Surveyor, 64(2), 33-39. ISSN 0970-3470.
 17. **Shukla, S.P.** (2010). *Characterization of atmospheric PM₁₀ of a Commercial Area in Kanpur City (India)*. Journal of Environmental Research and Development, 4(3), 770-779. ISSN 0973-6921. **Impact Factor: 1.61.** Cited by 4.
 18. **Shukla, S.P.**, Sharma, M. and Singh, N.B. (2010). *Air quality survey of Kanpur City*. Indian Surveyor, 64(1), 74-80. ISSN 0970-3470. Cited by 2.
 19. Singh, D., Mishra, B., Saxena, S., Mishra, V., Gupta, P., **Shukla, S.P.** and Singh, N.B. (2009). *Mercury pollution through compact fluorescent lamps: an eye opener*. Journal of Environmental Research and Development, 4(1), 183-191. ISSN 0973-6921. **Impact Factor: 1.61.**
 20. Saxena, S., Mishra, V., Gupta, P., Mishra, B., Singh, D., Singh, N.B. and **Shukla, S.P.** (2009). *Community-acquired Staphylococci infections due to water pollution and sensitivity profiling of Vancomycin and Methicillin resistant Staphylococci as a remedy*. Journal of Environmental Research and Development, 3(4), 1114-1121. ISSN 0973-6921. **Impact Factor: 1.61.**

Book Chapters

1. Shandilya, K.K., **Shukla, S.P.** and Pathak, V. (2013). *Applications of Remote Sensing*. In "Horizons in Earth Science Research: Volume 10", Nova Science Publishers, New York, 221-230. Editors: Benjamin Veress and Jozsi Szigethy. ISBN: 978-1-62948-125-8; ISSN: 2159-1350.
2. Behera, S.N., Sharma, M., Dikshit O and **Shukla, S.P.** (2011). *Development of GIS-aided emission inventory of air pollutants for an urban environment*. In "Advanced Air Pollution", INTECH open access publisher, Croatia, 279-294. Editor: Farhad Nejadkoorki. ISBN: 978-953-307-511-2. Cited by 7.

Thesis

1. **Shukla, S.P.** (2007). *Investigations into neutralization of atmospheric acidity through characterization of rainwater and particulate matter*, Ph.D. thesis, Department of Civil Engineering, Indian Institute of Technology, Kanpur. Cited by 2.
2. **Shukla, S.P.** (1989). *Studies on some chemical solution feeding devices*, M. E. thesis, Department of Civil Engineering, University of Roorkee (Presently Indian Institute of Technology), Roorkee.

International Seminars/ Conferences/ Workshops

1. Singh, R., Markandeya, **Shukla, S.P.** and Pathak, V. (2016). *Modeling of Ganga river water quality parameters using PLSR, MLR and ANN techniques*. Souvenir on International Conference on Innovations in Sustainable Water and Wastewater Systems (ISWATS), 21-23 April 2016, NEERI, Pune (Abstract).
2. Tiwari, M., **Shukla, S.P.**, Bhargava, D.S. and Kisku, G.C. (2014). *Color removal potential of coal fly ash- a low cost adsorbent from aqueous solutions of disperse dyes used in textile mill through batch technique*. Proceedings of International Conference on Environmental Technology and Sustainable Development: Challenges & Remedies, 21-23 February 2014, Babasaheb Bhimrao Ambedkar University Lucknow (Abstract).
3. Singh, A., **Shukla, S.P.** and Singh, N.B. (2010). *Adsorption of methylene blue on used tea leaves: two-stage batch adsorber design*. Proceedings of International Conference on Environmental Health and Technology, 15-17 March 2010, Indian Institute of Technology, Kanpur.
4. **Shukla, S.P.** and Kumar, A. (2009). *Rain water harvesting*. Souvenir and abstract of International Conference on Water-Harvesting, Storage & Conservation, 23-25 November 2009, Indian Institute of Technology, Kanpur, 26.
5. **Shukla, S.P.**, Kumar, A., Singh, N.B. and Shukla, A.K. (2009). *Environmental hazards of mercury emissions*. Proceedings of International Conference on Recent Trends in Management, Technology & Environment, 28-29 November 2009, S.D. College of Engineering and Technology, Muzaffarnagar, 7-15. ISBN 023-032-820-2.
6. **Shukla, S.P.** and Pathak, V. (2009). *Urban growth monitoring techniques for sustainable development*. Proceedings of International Conference on Recent Trends in Management, Technology & Environment, 28-29 November 2009, S.D. College of Engineering and Technology, Muzaffarnagar, 108-115. ISBN 023-032-820-2. Cited by 2.
7. Singh, N.B., **Shukla, S.P.** and Shukla, A.K. (2009). *Effect of earthworm population on substrate pH during vermicomposting*. Proceedings of International Conference on Recent Trends in Management, Technology & Environment, 28-29 November 2009, S.D. College of Engineering and Technology, Muzaffarnagar, 20-24. ISBN 023-032-820-2.
8. Shukla, A.K., **Shukla, S.P.**, Singh, N.B. and Shukla, A. (2009). *Application of general finite line source model for prediction of SO₂ and NO_x concentration in Lucknow metropolitan city*. Proceedings of International Conference on Recent Trends in Management, Technology & Environment, 28-29 November 2009, S.D. College of Engineering and Technology, Muzaffarnagar, 45-53. ISBN 023-032-820-2.
9. **Shukla, S.P.**, Mishra, V., Singh, N.B. and Shukla, A.K. (2009). *The greed is now green in color: Carbon credits*. Proceedings of International Conference on Recent Trends in Management, Technology & Environment, 28-29 November 2009, S.D. College of Engineering and Technology, Muzaffarnagar, 58-63. ISBN 023-032-820-2.
10. Saxena, S., Mishra, V., Gupta, P., Mishra, B., Singh, D., Singh, N.B. and **Shukla, S.P.** (2008). *Community-acquired Staphylococci infections due to water pollution and sensitivity profiling of Vancomycin and Methicillin resistant Staphylococci as a remedy*. International Congress of Environmental Research, 18-20 December 2008, BITS – Pilani, Goa (Abstract).

11. Singh, D., Mishra, B., Saxena, S., Mishra, V., Gupta, P., Sharma, S.P., Singh, N.B. and **Shukla, S.P.** (2008). *Mercury pollution through compact fluorescent tubes (CFLs): An eye opener*. International Congress of Environmental Research, 18-20 December 2008, BITS – Pilani, Goa (Abstract).
12. Mishra, V., Saxena, S., Gupta, P., Sharma, S.P., Singh, N.B. and **Shukla, S.P.** (2008). *Apicoplast in plasmodium falciparum: a novel drug target mine*. International Congress of Environmental Research, 18-20 December 2008, BITS – Pilani, Goa (Abstract).
13. Gupta, P., Mishra, V., Saxena, S., Sharma, S.P., Singh, N.B. and **Shukla, S.P.** (2008). *Two-component system in mycobacterium tuberculosis understanding an aspect of regulation*. International Congress of Environmental Research, 18-20 December 2008, BITS – Pilani, Goa (Abstract).
14. Ojha, N.B., **Shukla, S.P.**, Singh, N.B. and Sharma, S.P. (2008). *Fruit and vegetable waste utilization and disposal*. International Congress of Environmental Research, 18-20 December 2008, BITS – Pilani, Goa (Abstract).
15. Naval, S., Mishra, M., Singh, N.B. and **Shukla, S.P.** (2008). *Biodiesel: Process simulation by SuperPro Designer*. International Congress of Environmental Research, 18-20 December 2008, BITS – Pilani, Goa (Abstract).
16. **Shukla, S.P.** and Sharma, M. (2006). *Characteristics of atmospheric PM₁₀ and neutralization of acid rain: A source apportionment study at Kanpur, India*. Conference of Better Air Quality (BAQ), Indonesia (Abstract).

National Seminars/ Conferences/ Workshops

1. Markandeya, Dhiman, N., **Shukla S.P.** and Kisku, G.C. (2016). कोयला, उड़न राख तथा तल राख भरी धातुओं का निष्कारण व्यवहार। विष विज्ञान संदेश (राजभाषा पत्रिका), 26, 68-73. National Conference at CSIR IITR Lucknow. ISBN 0972-1746
2. Singh, N.B., **Shukla, S.P.**, Shukla, A.K., Pathak, V., Markandeya, Singh, D. and Singh, R. (2015). *Vermicomposting: Sustainable waste management in paper and pulp mills*. Proceedings of National Conference on Make in India, 28-29 March 2015, S.D. College of Engineering and Technology, Muzaffarnagar.
3. Singh, N.B., Singh, J.P., Singh, D., **Shukla, S.P.**, Markandeya and Singh, R. (2015). *Green Building: A potential tool for make in India*. Proceedings of National Conference on Make in India, 28-29 March 2015, S.D. College of Engineering and Technology, Muzaffarnagar.
4. **Shukla, S.P.**, Sonam, Singh, N.B., Markandeya, Pathak, V., Shukla, A.K., Singh, D. and Singh, R. (2015). *Fluoride: Problems and solutions*. Proceedings of National Conference on Make in India, 28-29 March 2015, S.D. College of Engineering and Technology, Muzaffarnagar.
5. Singh, R., **Shukla, S.P.**, Singh, N.B., Shukla, A.K., Markandeya and Singh, D. (2015). *Bioplastics: An option for environment sustainability*. Proceedings of National Conference on Make in India, 28-29 March 2015, S.D. College of Engineering and Technology, Muzaffarnagar.
6. Singh, G.K., Singh, N.B. and **Shukla, S.P.** (2015). *Impact of fertilizers on water bodies and its control*. Proceedings of National Conference on Make in India, 28-29 March 2015, S.D. College of Engineering and Technology, Muzaffarnagar.
7. Batra, D., Pathak, V., **Shukla, S.P.** and Singh, N.B. (2015). *Effluent quality predication of a WWTP using artificial neural network*. Proceedings of National Conference on Make in India, 28-29 March 2015, S.D. College of Engineering and Technology, Muzaffarnagar.
8. Manar, M.K., **Shukla, S.P.** and Kuldeep (2014). *Assessment of biomedical waste management practices in the non teaching hospitals of Lucknow city*. Proceedings of National Conference on Strategic Perspectives and Advancements in Civil Engineering (SPACE-2014), 14-15 November 2014, Eshan College of Engineering Mathura, 116-120.
9. Singh, N.B., Giri, A., **Shukla, S.P.** and Batra, D. (2013). *The progressive use of remote sensing and GPS for natural disaster detection and prevention*. Proceedings of National conference on Management of Technology of Control of Disasters, 23-24 November 2013, S.D. College of Engineering and Technology Muzaffarnagar, 192-207.
10. Atulesh, **Shukla, S.P.**, Singh, N.B., Shukla, A.K., Yadav, S.K., Shankar, V., Kumar, S., Sachan, S., Singh, N.K. and Khan, M. (2011). *Monitoring of air pollutants in rural areas using passive sampler*. Proceedings of National conference on Management of Technologies for Advancing Rural India, 5-6 February 2011, S.D. College of Engineering and Technology Muzaffarnagar, 10-17. ISBN 10: 0230-33254-4, ISBN 13: 978-0230-33254-6.
11. Singh, N.K., **Shukla, S.P.**, Singh, N.B., Shukla, A.K., Yadav, S.K., Atulesh, Singh, D., Shankar, V., Kumar, S. and Sahu, R. (2011). *Status of water supply in rural areas of India*.

- Proceedings of National conference on Management of Technologies for Advancing Rural India, 5-6 February 2011, S.D. College of Engineering and Technology Muzaffarnagar, 46-53. ISBN 10: 0230-33254-4, ISBN 13: 978-0230-33254-6.
12. Yadav, S.K., **Shukla, S.P.**, Singh, N.B., Shukla, A.K., Singh, N.K., Sachan, S., Atulesh, Singh, D., Kumar, S., and Khan, M. (2011). *Assessment of traffic noise at boundary of rural area on a National highway*. Proceedings of National conference on Management of Technologies for Advancing Rural India, 5-6 February 2011, S.D. College of Engineering and Technology Muzaffarnagar, 93-102. ISBN 10: 0230-33254-4, ISBN 13: 978-0230-33254-6.
 13. Singh, D., Singh, N.B., **Shukla, S.P.**, Shukla, A.K., Yadav, S.K., Khan, M., Sahu, R., Shankar, V., Atulesh, Kumar, S. and Singh, N.K. (2011). *Biomass and biogas energy resource management: An option for socio-economic growth of rural area*. Proceedings of National conference on Management of Technologies for Advancing Rural India, 5-6 February 2011, S.D. College of Engineering and Technology Muzaffarnagar, 295-302. ISBN 10: 0230-33254-4, ISBN 13: 978-0230-33254-6.
 14. Shukla, A.K., Singh, N.B. and **Shukla, S.P.** (2011). *Criteria for assessment of performance of PMGSY roads*. Proceedings of National conference on management of technologies for advancing rural India, 5-6 February 2011, S.D. College of Engineering and Technology Muzaffarnagar, 310-317. ISBN 10: 0230-33254-4, ISBN 13: 978-0230-33254-6.
 15. **Shukla, S.P.**, Agrawal, V., Singh, N.B., Sharma, M. and Behera, S.N. (2010). *Application of water quality index for assessment of surface water quality in an industrial area*. Proceedings of Workshop cum Seventeenth National Symposium on Environment, 13-15 May 2010, Indian Institute of Technology Kanpur.
 16. Shukla, A., Shukla, A.K. and **Shukla, S.P.** (2009). *Primary pollutants emission from vehicles and its unsympathetic health impact on inhabitants in Lucknow city*. Proceedings of the Civil Engineering Conference—Innovation Without Limits (CEC-09), 18–19 September 2009, National Institute of Technology Hamirpur, 579-584. ISBN 93-80043-34-1.
 17. Shukla, A.K., **Shukla, S.P.** and Singh, N.B (2008). *Assessment of environmental capacity of certain routes in Lucknow city*. Proceedings of 4th National Seminar on Recent Strategies of Management, Technology & Environmental Control, 9-10 February 2008, S.D. College of Engineering and Technology Muzaffarnagar, 67-71.
 18. Singh, N.B., Yadav, P., Shukla, A.K. and **Shukla, S.P.** (2008). *Engineering solid waste disposal system- a case study for Lucknow cantonment area*. Proceedings of 4th National Seminar on Recent Strategies of Management, Technology & Environmental Control, 9-10 February 2008, S.D. College of Engineering and Technology Muzaffarnagar, 93-100.
 19. Shukla, A.K., Srivastava, J.B., Singh, N.B. and **Shukla, S.P.** (2007). *A new vision in urban planning to achieve clean air*. Proceedings of National Seminar on Public Participation for Environmental Control, 7 April 2007, S.D. College of Engineering and Technology Muzaffarnagar, 14-16.
 20. Yadav, P., Singh, N.B., **Shukla, S.P.**, Shukla, A.K., Pratap, D. and Shukla, R. (2006). *Synthesis and Characterization of Novel Cobalt (III) Complex for Application Towards Catalytic Oxidation of Organic Pollutant (Phenol) in the Environment*. Proceedings of National Seminar on Recent Trends on Science, Technology and its Application, 7-8 January 2006, S.D. College of Engineering and Technology Muzaffarnagar, 186-192.
 21. Shukla, R., Siddiquie, A. and **Shukla, S.P.** (2005). *Waste Utilization Techniques*. Proceedings of National Workshop on Sustainable Pollution Control, 8-9 December 2005, Institute of Engineering and Technology Lucknow, 67.
 22. Pratap, D., Singh, N.B., **Shukla, S.P.** and Yadav, P. (2005). *Air Pollution Index for Lucknow City*. Proceedings of National Workshop on Sustainable Pollution Control, 8-9 December 2005, Institute of Engineering and Technology Lucknow, 74-80.
 23. **Shukla, S.P.** and Sharma, M. (2004). *Interaction of atmospheric particulate and SO₂ in understanding the acid rain formation*. Proceedings of Workshop on Environmental Pollution: Perspectives and Practices, 30 April 2004, Institute of Engineering and Technology Lucknow, 144-153.
 24. Satvat, P.S., Nayak, S.C. and **Shukla, S.P.** (2004). *Rainwater Treatment Technology: A Viable Solution for Green Water in the New Millennium*. Proceedings of Workshop on Environmental Pollution: Perspectives and Practices, 30 April 2004, Institute of Engineering and Technology Lucknow, 111-117.
 25. Bharti A. and **Shukla, S.P.** (1998). *Water Resource Management: Qualitative Aspects*. Proceedings of Seminar on Water & Environment, 5 June 1998, Indian Water Works Association, Lucknow Center, 27-29.
 26. Bhargava D.S., Sharma, S.P. and **Shukla, S.P.** (1998). *Recycling & Reuse Technologies*. Proceedings of Seminar on Water & Environment, 5 June 1998, Indian Water Works

- Association, Lucknow Center, 72-74.
27. **Shukla, S.P.** (1997). *Selection of Suitable Water Supply Pipe Material*. Proceedings of Seminar on Recent Trends in Pumps & Conveyance Material in Water Supply and Waste Water System, 27 December 1997, Indian Water Works Association, Lucknow Center, 23-24.
 28. Bhargava D.S. and **Shukla, S.P.** (1997). *Public Participation in Improving River Water Quality*. Proceedings of Seminar on Advance Technology for Water Pollution Abatement & Waste Management, 5 June, 1997, Indian Water Works Association, Lucknow Center, 1-8.
 29. **Shukla, S.P.** (1997). *Manage Solid Waste to Abate River Pollution*. Proceedings of Seminar on Advance Technology for Water Pollution Abatement & Waste Management, 5 June 1997, Indian Water Works Association, Lucknow Center, 79-86.
 30. Bhargava D.S. and **Shukla, S.P.** (1997). *Privatisation of Water Supplies in Uttar Pradesh*. Proceedings of Seminar on Prospects of Privatization of Urban Water Supply, 28 January 1997, Indian Water Works Association, Lucknow Center.

(iii) Research Guidance:

M. Phil. Thesis Guidance: 01

M. Tech. Thesis Guidance: 34

Ph.D. Guidance: 10 (Joint Ph.D. supervision with Dr. Mukesh Sharma, Professor, Civil Engineering Department, IIT Kanpur; Dr. Vinod Tare, Professor, Civil Engineering Department, IIT Kanpur; Dr. D.S. Bhargava, Professor (Retd.), Civil Engineering Department, IIT Roorkee; Dr. GC Kisku, Scientist, IITR Lucknow.)

M. Tech. Seminar Guidance: 32

B. Tech. Project Guidance: 20

M. Phil. Thesis Guidance

S. No.	Name of Student	Thesis Title
1.	Ankita Shukla (2009)	Prediction of vehicular pollution using Gaussian finite line source model and determining air quality index for Lucknow city.

M. Tech. Thesis Guidance

S. No.	Name of Student	Thesis Title
1.	Praveen Kumar (2016)	GIS based route optimization for solid waste collection
2.	Vibhuti Mishra (2016)	Prediction of RSPM concentration in urban areas of Uttar Pradesh using ANN
3.	Deepti Dwivedi (2016)	Emission inventory of thermal power plants in India
4.	Sameena Sagir (2016)	Vehicular emission including fugitive dust emission in Lucknow
5.	Pradeep Verma (2015)	Emission of Heavy Metals and PAHs During Co-Combustion of Reject Non Coking Coal and Biomass in a Drop Tube Combustion Facility
6.	Ankit Yadav (2015)	Selection of Tree Species for Reclamation of Coal Mining Area Using Soil Quality Index (SQI)
7.	Sonam (2015)	Defluoridation of Water Using Low Cost Biosorbents
8.	Aakash Singh (2014)	Distribution of Heavy Metals in Roadside Soil Along National Highways in Lucknow City
9.	Kuldeep (2014)	Assessment of Biomedical Waste Management Practices in the Non Teaching Hospitals of Lucknow City
10.	Anupam Mehrotra (2014)	Assessment of Industrial Pollution Contribution Towards the Ambient Air Quality in Lucknow
11.	Saumya Agrawal (2013)	Assessment of Ambient Air Quality in Selected Schools of Lucknow City
12.	Tanya Rastogi (2013)	Estimation of Air Pollution Load at Bhushan Steel Limited, Odisha
13.	Shiemel Fatima (2013)	Arsenic Accumulation and Amino Acid Metabolism in Rice (<i>Orhyza saliva</i> , L.) Plant Under Arsenic Stress.
14.	Vivek Kumar Singh (2013)	Performance Evaluation of Bharwara Sewage Treatment Plant and its Impact on Gomti River at Lucknow
15.	Jai Prakash Singh (2013)	Feasibility of Green Building in Urban Environment
16.	Deepika Rai (2013)	Optimization of Degradation of Tetracycline using Box Behnken

		Design
17.	Atul Singh (2013)	Assessment and Optimization of Low Cost Adsorbent and Contact Time for Basic Dye
18.	Atulesh (2013)	Effects of Air Pollution Levels on Mortality Rate in Lucknow City
19.	Sandeep Kumar (2013)	Measurement of Spatial and Vertical Variation of NO ₂ Concentration by Passive Sampler in Lucknow
20.	Markandey Tewari (2012)	Color Removal Potential Of Coal Fly Ash- A Low Cost Adsorbent From the Textile Mill Effluent
21.	Smita Sachan (2012)	Development of Air Quality Index for Uttar Pradesh
22.	Vijay Shanker (2011)	Performance Evaluation of Vermicomposting Plant at Institute of Engineering and Technology Lucknow.
23.	Neeraj Kumar Singh (2011)	GIS-Based Traffic Noise Characterization at Engineering College Crossing
24.	Dhirendra Singh (2011)	GIS Based Vehicular Emission Inventory for Lucknow City
25.	Shiv Kumar Yadav (2010)	Characterization of Traffic Noise for Typical Indian Road Crossing
26.	Sonalika (2010)	Vermicomposting of Tannery Sludge Mixed with Organic Wastes
27.	Vipul Agrawal (2010)	Quality of River Ganga and Ground Water at Jajmau Industrial Area, Kanpur
28.	Durgesh Pratap (2006)	Classification of Air Quality and Development of Air Pollution Index for Lucknow City
29.	Vinod Dwivedi	Noise modeling
30.	Vikash Srivastava	Arsenic removal from water.
31.	Reenu	Water Quality Index of Water in Lucknow
32.	Saumyadeep	Disaster Management
33.	Neha Verma	Air Pollution
34.	Neeraj Kumar	Fluoride Removal by Adsorption

[§]Thesis submitted; ^{*}Thesis in progress

Ph.D. Guidance

S. No.	Name of Student	Thesis Title
1.	Lal Ji Dwivedi (2016)	Analysis of Air Quality In Uttar Pradesh
2. [#]	Abhishek Gaur	Investigation on aerosols and their precursor trace gases in Indo-Gangetic Plane.
3. [§]	Markandey Tewari	Removal of dyes using coal fly ash as adsorbent
4. [*]	Dhirendra Singh	Source emission inventory at Delhi
5. [*]	Vimal Kumar Gupta	Solid waste Management using Game Theory
6. [*]	Ruchi	Modeling of river water quality using ANN
7. [*]	Manish Manar	Survey related to community diseases
8. [*]	Atulesh	Study of Thermal Power Plant
9. [*]	KJ Sharma	Noise analysis on highway crossing
10. [*]	Jyotsana	Solid waste management

[§]Thesis submitted; [#]Permitted to submit; ^{*}Thesis in progress

12. Seminar/ Conference/ Workshop/ Training Program/QIP/FDP Attended: 51

Seminars/ Conferences/ Workshops: 29

S. No.	Seminar/ Workshop/ Conference	Organized By	Period	
			From	To
	NBA Workshop on SAR Filling Through Active Instructional Methods	ESCI and IET Lucknow	12-08-16	13-08-16
1.	Curriculum Development of Civil Engineering	BIET Jhansi	27-06-15	28-06-15
2.	National Conference on Make in India	SDCET Muzaffarnagar	28-03-15	29-03-15
3.	Energy Efficiency	Petroleum Conservation Research Association	18-03-15	18-03-15
4.	National conference on Management of Technology of Control of Disasters	SDCET Muzaffarnagar	23-11-13	24-11-13
5.	National Workshop on Industry Academia	IET Lucknow	26-10-13	26-10-13

	Interaction on Frugal Engineering			
6.	Transformation through IT and Biotechnology Infusion	DST, U.P.	19-10-13	19-10-13
7.	National Workshop on Industry Academia Interaction for Innovation and Quality Technical Education: A Path Forward for 2020	IET Lucknow	04-09-13	04-09-13
8.	National Workshop on Innovation Roadmap 2020 for UP – Brainstorming Session	SInCUP	24-07-13	24-07-13
9.	Workshop on Capability Building of Affiliated Institutes of GBTU	GBTU Lucknow	17-01-13	18-01-13
10.	National conference on Management of Technologies for Advancing Rural India	SDCET Muzaffarnagar	05-02-11	06-02-11
11.	Workshop cum seventeenth national symposium on environment	IIT Kanpur	13-05-10	15-05-10
12.	Seminar on Management of Engineering Project	MES Lucknow	23-04-10	23-04-10
13.	International Conference on Environmental Health and Technology	IIT Kanpur	15-03-10	17-03-10
14.	International Conference on Recent Trends in Management, Technology and Environment	SDCET Muzaffarnagar	28-11-09	29-11-09
15.	International Conference on Water Harvesting Storage and Conservation	IIT Kanpur	23-11-09	25-11-09
16.	Workshop on Human Values in Technical Education	UPTU Lucknow and Kabir Mission	10-01-09	10-01-09
17.	Seminar on Sanitation – The Challenges ahead	IET Lucknow	26-03-08	26-03-08
18.	National Seminar on Recent Strategies of Management, Technology & Environmental Control	SDCET Muzaffarnagar	09-02-08	10-02-08
19.	Workshop on National Building Code of India-2005	Institution of Engineers (India)	06-10-07	07-10-07
20.	National Seminar on Public Participation for Environmental Control	SDCET Muzaffarnagar	07-04-07	07-04-07
21.	National Seminar on Recent Trends in Science, Technology & Its Applications	SDCET Muzaffarnagar	07-01-06	08-01-06
22.	National Workshop on Sustainable Pollution Control	IET Lucknow	08-12-05	09-12-05
23.	Terminology Workshop on Engineering Subjects	Scientific & Technical Terminology Council	19-03-05	20-03-05
24.	Terminology Workshop on Science and Technology Subjects	Scientific & Technical Terminology Council	21-12-04	22-12-04
25.	Workshop on Environmental Pollution: Perspectives and Practices	IET Lucknow	30-04-04	30-04-04
26.	National Workshop on Renewable Energy Sources in Rural Areas: Prospects & Problems	IET Lucknow	19-01-94	20-01-94
27.	National Workshop on Renewable Energy Sources	IET Lucknow	24-03-90	25-03-90
28.	Eco Restoration Workshop	Department of Environment and Higher Education, Govt. of U.P.	18-12-89	23-12-89

Training Program: 12

S. No.	Training Program	Organized By	Period	
			From	To
1.	Orientation Workshop on Outcome Based Education and Accreditation for Programme Evaluators (PEVs)	National Board of Accreditation, AICTE, New Delhi at IIT Kanpur	01-10-16	01-10-16
2.	Assessors Interaction Meeting (AIM)	National Assessment and Accreditation Council (NAAC), Bangalore	27-11-14	28-11-14
3.	Workshop on Outcome Based Accreditation Process and Parameters	National Board of Accreditation, AICTE, New Delhi at DTU Delhi	21-09-12	22-09-12
4.	Web-Based e-Financial Monitoring Report and financial Management	IET Lucknow	07-06-12	07-06-12
5.	Fire Disaster Management	Uttar Pradesh Administration &	23-02-12	25-02-12

		Management Academy, Lucknow		
6.	Technology on Saltless Preservation of Hides and Skins	Central Pollution Control Board, Lucknow	13-10-10	13-10-10
7.	Campus Wide Networking at IET Lucknow	M/s Spanco Ltd., Gurgaon	15-03-09	23-03-09
8.	Understanding EIA: From Screening to Decision Making	Center for Science and Environment, New Delhi	25-02-08	29-02-08
9.	Environmental Planning for Industrial Disaster Management	Disaster Management Institute, Bhopal	19-11-07	23-11-07
10.	Energy Auditing	IET Lucknow	07-03-06	07-03-06
11.	Remote Sensing for Land and Water Resources Management	IIT Kharagpur	16-12-96	28-12-96
12.	Fluorosis Training Camp	Rajiv Gandhi National Drinking Water Mission	03-02-84	05-02-84

Quality Improvement/ Faculty Development Program: 10

S. No.	Program	Organized By	Period	
			From	To
1.	Cyber Crime & Forensic Tools Through ICT	NITTTR Chandigarh	27-01-14	31-01-14
2.	Management Capacity Enhancement Program for Administrators (FDP)	IIM Lucknow, NOIDA campus	23-09-13	27-09-13
3.	Research Methodology (FDP)	IET Lucknow	30-03-09	28-04-09
4.	Probability and Statistical Tools for Researchers (FDP)	IET Lucknow	30-03-09	28-04-09
5.	Workshop on Practicals on MATLAB for B. Tech. Courses (FDP)	IET Lucknow	08-04-08	10-04-08
6.	Combustion-Generated Emission and Its Control (QIP)	IIT Kanpur	01-03-04	05-03-04
7.	Airborne Altimetric LiDAR (QIP)	IIT Kanpur	10-03-03	14-03-03
8.	Business Intelligence for Decision Making: Neural Network, AHP & Fuzzy Logic (QIP)	IIT Kanpur	21-05-01	25-05-01
9.	Waste Disposal in Engineered Landfills	IIT Delhi	01-02-97	03-02-97
10.	Environmental Management	ISTE	20-12-92	04-01-93

13. Significant Contribution towards Teaching/ Academic Environment/ Institutional Corporate Life:

At Institute Level

I was involved in various administrative and financial aspects of the Institute. Specifically, at institute level as Dy. Coordinator of M. Tech. (Environmental Engineering) and M. Tech. (Biotechnology) Program; Proctor; Warden; Center Superintendent; Procurement Officer, Nodal Officer (Procurement), Coordinator (Financial Management) at NIPMU for TEQIP-I and TEQIP-II; In-charge Survey Lab and Environmental Engineering Lab of Civil Engineering Department; In-charge Central Store; In-charge Drawing & Graphics Arts Division; In-charge NSS; In-charge Civil Maintenance; In-Charge Horticulture; In-charge Electrical Maintenance.

At Dr. APJ Abdul Kalam Technical University Level

My involvement in various administrative aspects of the University has been in terms of Coordinator, TEQIP-III; Dean, Under Graduate Studies and Entrepreneurship; Associate Dean, Resource Generation and Alumni Relations; Member, Board of Studies (BOS) of M. Tech. (Environmental Engineering); Group Leader of Flying Squad; Center Superintendent; Head Examiner in B. Tech. evaluation; Member, Inspection Committee for affiliation of Institutes.

At State/ National Level

State Project Administrator of SPIU, Uttar Pradesh; Expert Volunteer/ Evaluator for National Board of Accreditation (NBA), AICTE for accrediting technical Institutions; Member, Expert Visit Committee (EVC) for AICTE; Member, Expert Committee of UGC; Member Co-ordinator, Peer Team, NAAC; Member, BOS of Civil Engineering at Madan Mohan Malviya University of Technology Gorakhpur, Bundelkhand Institute of Engineering and Technology Jhansi, Lucknow University; Member, Inspection Committee for affiliation of Institutes, Avadh University.

14. External Funding:

- ❖ AICTE project "Development of water quality indicator for major northern Indian rivers using remote sensing" amounting Rs 4.75 Lac as co-P.I. at IET Lucknow during 2006.
- ❖ MODROB (AICTE scheme) project "Modernization of Environmental Engineering Laboratory" as co-coordinator at IET Lucknow during 1997.

15. Workshop/ Seminar/ Training Courses Organized:

- Member of organization committee of National conference on '*Management of Technology of Control of Disasters*', S. D. College of Engineering and Technology Muzaffarnagar, 23-24 November 2013.
- Co-Convener, National Seminar on '*Industry Academia Interaction on Frugal Engineering*', IET Lucknow, 26 October 2013.
- Member of organization committee of National Workshop on '*Industry Academia Interaction for Innovation and Quality Technical Education: A Path Forward for 2020*', IET Lucknow, 04 September 2013.
- Co-Convener, National Seminar on '*Sanitation – The Challenges Ahead*', IET Lucknow, 26 March 2008.
- Assisted in organization of World Bank Sponsored *Training Courses on PMGSY*, IET Lucknow, 2005-06.
- Member of organization committee of National Workshop on '*Sustainable Pollution Control*', IET Lucknow, 8-9 December 2005.
- Convener, Workshop on '*Environmental Pollution: perspectives and practices*', IET Lucknow, 30 April 2004.

Memberships:

- Life Member, ISTE (membership number LM9948).
- Life Member, Indian Water Works Association.
- Associate Member, Institution of Engineers(membership number AM082432-4).

16. Expert Lectures:

- '*Removal of dyes used in industries for coloring from waste water before its disposal*', Key note address at Lecture Meeting of **Indian Water Works Association**, 08 February 2017.
- '*Curriculum development of Civil Engineering*', TEQIP-II Sponsored Workshop on Curriculum Development of Civil Engineering', **BIET Jhansi**, 27-28 June 2015.
- '*Analysis of metals in ambient air: extraction and analysis on Atomic Absorption Spectrophotometer*', Central Pollution Control Board Sponsored Training Course on Ambient Air and Stack Monitoring Technique, **IIT Kanpur**, 16-18 November 2011.
- '*I.S. codes & its provisions for earthquake*', Training of A.E.'s and J.E.'s of U.P. Awas Evam Vikas Parishad, **Management Development Center, U.P. Awas Evam Vikas Parishad**, 10 March 2010.
- '*Important point for earthquake resistant construction*', Training of A.E.'s and J.E.'s of U.P. Awas Evam Vikas Parishad, **Management Development Center, U.P. Awas Evam Vikas Parishad**, 11 March 2010.
- '*I.S. codes & its provisions for earthquake*', Training of A.E.'s and J.E.'s of U.P. Awas Evam Vikas Parishad, **Management Development Center, U.P. Awas Evam Vikas Parishad**, 24 February 2010.
- '*Important point for earthquake resistant construction*', Training of A.E.'s and J.E.'s of U.P. Awas Evam Vikas Parishad, **Management Development Center, U.P. Awas Evam Vikas Parishad**, 25 February 2010.
- '*Expectations of the institution in promoting PG programmes and research*', TEQIP-Workshop on 'Implementation and Completion of TEQIP Phase-I and Preparations for Phase-II', **Hotel Taj Lucknow**, 28 March 2009.
- '*Bhopal gas tragedy*', TEQIP sponsored one week Workshop on Disaster Management and Mitigation, **HBTI Kanpur**, 16-21 March 2009.
- '*Application of statistics in model validation and source apportionment studies*', Central Pollution Control Board Sponsored Training Course on 'Air Dispersion Modeling: Fundamentals and Applications', **IIT Kanpur**, 4-8 August 2008.

- 'Source apportionment studies in identifying sources of airborne particulate matter', Faculty Development Program on 'Recent Strategies for Remediation of Environmental Pollution', **HBTI Kanpur**, 25-26 April 2008.

17. Major Consultancy Projects Undertaken:

- Checking of designs and drawings of structural works of Community Health Centre at Village Seorha, Banda .
- Technical report on Manyvar Shri Kanshiram Ji Shahari Garib Avas Yojana at Ramghat in Distt. Faizabad.
- Checking of structural design and drawing of Bus Station at Kaisarbagh, Lucknow.
- Checking of structural design and drawing of work of pre-settling units at Sharda Sahayak intake site for Third Water Works, Lucknow.
- Technical report on structural designs and drawings of Haematology Teaching and Research Block at SGPGI, Lucknow.
- Designs and drawings of structural works of substructure of Manyvar Shri Kanshiram Ji Shahari Garib Avas Yojana (Second Phase) in Distt. Sultanpur.
- Vetting of standard structural design for polytechnics.
- Checking of structural design and drawings of Zonal building of Bank of Baroda at Gomti Nagar, Lucknow.
- Checking of structural designs and calculations of housing project at Kalindipuram, Allahabad.
- Checking of structural designs and drawings for Divisional Office Building and Zila Parishad Sub-Post Office at Jawahar Vihar Colony, Raibareli.
- Checking of design of Trunk drain section (NS-1) at Vrindavan Yojna No. 2, Lucknow .
- Proof checking of RCC Design of manholes of sewer lines (District-III, Part-II) of UP Jal Nigam, Lucknow.
- Checking of Parapet Wall over Trunk drain section (NS-2) at Vrindavan Yojna No. 3, Lucknow
- Checking of Parapet Wall over NS-2 type RCC/ Brick drain at Sector -13, Vrindavan Yojna No. 4, Lucknow .
- Vetting of structural drawings and design of Dayanidhan Park, Lalbagh, Lucknow
- Rapid Environmental Impact Assessment (REIA) Study of Eco Village, Greater Noida, UP
- Vetting of structural drawings and designs of proposed Community Hall/ Millenium Club Building at Dr. Ambedkar Puram Yojna, Scheme no. 3, Sector-2, Kanpur.
- Proof checking of structural drawings for Rail Coach Factory buildings at Lalganj, Raibareilly.
- Proof checking of structural drawings for Multilevel Underground Parking at Jhandi Park, Lucknow.
- Technical opinion regarding damaged dome of digester constructed in IHSDP Project at Mahona, Lucknow.
- Proof Checking of Structural Design and Drawing of Group Housing for Awas Evam Vikas Parishad at sector-18, Vrindavan Yojna, Lucknow, U.P. Aasra-1, Aasra-2, Sapna-1 and Sapna-2.
- Vetting of structural drawings and designs of proposed construction of cardiology and nephrology department at RDSO hospital Lucknow.
- Air Quality Modelling for Environmental Impact Assessment on Bilhaur STTP, 2x660 MW Project.
- Checking of Structural designs and drawings of Over Head Water Tank.
- Checking of structural design of 800mm diameter PSC pipe.
- Checking of hydraulic and structural design of 1MLD sewage treatment plant at Manyavar Kanshi Ram ji Eco Garden, Lucknow.
- Proof Checking (vetting) of Structural Design and Drawing of Group Housing (Aasra-1, Aasra-2, Sapna-1 and Sapna-2) for Awas Evam Vikas Parishad at sector-4&5, Delhi Saharanpur Road Yojan, Ghaziabad, U.P..
- Vetting of structural drawings of proposed Post Mortem Houses and Visitor's shed.
- Vetting of structural drawings of Manyvar Kanshiram Ji Arbi Farsi University, Lucknow.
- Vetting of structural drawings of Engineering College, Azamgarh buildings.
- Vetting of structural drawings of proposed Government Inter College buildings at Fallawada, Kapsad and Bahrapur, Distt.- Meerut.
- Vetting of structural drawings of proposed Jail buildings at Azamgarh.
- Vetting of structural drawings of proposed 250 Kilo Liter Over Head water Tank at Gautam Buddh Nagar Jail.
- Vetting of structural drawings of Judicial Training and Research Institute, Lucknow buildings.
- Vetting of structural drawings of proposed type-IV and type-V residences at Dr. Ram Manohar Lohia Institute of Medical Sciences, Gomti Nagar, Lucknow.

- Vetting of structural drawings of Sports College, Tehsil Behat, Saharanpur buildings.
- Valuation of civil works at District Hospital, Barabanki.
- Vetting of structural design, drawing & estimates of 500KL OHT and 1500 KL U/G Sump.
- Vetting of structural design & drawing for Court Room Building at Gazipur.
- Third party inspection of 'Solid Waste Management Scheme' at Lucknow under JNNURM.
- Valuation of civil works at Banda.
- Vetting of structural design, drawing & estimates for construction of Gym in Kasturba Park, and Expansion of Cantt Board guest house at Cantonment, Lucknow.
- Preparation of architectural and structural drawings for Multipurpose Hall/ Badminton Court at Rihand Residential Colony, Pipari.
- Vetting of structural design & drawings of Residences, Community Centre for CBI at Jankipuram and Gomti Nagar, Lucknow.
- Vetting of structural drawings at Lucknow University, Lucknow.
- Valuation of civil works for Animal Food Factory at Lucknow and Gorakhpur.
- Vetting of structural drawings and designs of misc buildings at Court, Mohammadi, Lakhimpurkheri.
- Vetting of structural drawings and designs of Box Culvert at Bijour Road, Lucknow
- Proof checking of structural drawings for IT-4 Building at CSJM University, Kanpur.
- Vetting of structural drawings of Forensic Laboratory at KGMU, Lucknow.
- Vetting of structural drawings of G+3 storied flats at Vrindawan Yojna, Raibareli Road, Lucknow.
- Vetting of drawings of G+3 storied flats at Vrindawan Yojna, Raibareli Road, Lucknow.