

## Research Publications

### A. Refereed/ Peer reviewed International Journals (18 published + 02 in press, +2 under review)

1. Sippi, S. and Parmar, D. (2022) "Water Quality based Ranking and Benchmarking of Rivers in India using Multicriteria Decision Making Technique.", Journal of Hazardous, Toxic and Radioactive waste, **ASCE**, 26(2), doi: 10.1061/(ASCE)HZ.2153-5515.0000669 (**IF- 1.12**) (**Q2**)
2. Yadav, D. V., Parmar, D., Ganguly, R. and Shukla, S. (forthcoming). "Efficiency Evaluation of Sewage Treatment Plants in Delhi, India using Tolerance based Data Envelope Analysis", *India, Environmental Monitoring and Assessment*, Springer, Springer, (Accepted) (**IF-3.307**) (**Q2**)
3. Bhadauriya, V., Parmar, D., Ganguly, R., Rathi, A. and Kumar, P. (2022). "Exposure Assessment of PM2.5 in Temple Premises and Crematoriums in Kanpur, India.", *Environmental Science and Pollution Research*, doi:10.1007/s11356-022-18739-5 (**IF- 5.19**) (**Q2**)
4. Prasad, R.K. and Parmar, D. (2022). Discussion of "Chromium Transport Modeling in Tannery Effluent from a Surface Water Body to Groundwater Regime: Case Study in Kodaganar Basin by J. Colins Johnny; M. C. Sashikkumar; J. Rajesh Banu; and Gopalakrishnan Kumar.", *Journal of Hazardous, Toxic and Radioactive Waste*, **ASCE**, 26(1), doi.org/10.1061/(ASCE)HZ.2153-5515.0000664 (**IF- 1.12**) (**Q2**)
5. Prasad, R.K. and Parmar, D. (2022) "Discussion of "Framework for Modeling Lead in Premise Plumbing Systems Using EPANET by J. B Burkhardt, H. Woo, J. Mason, F. Shang, S. Triantafyllidou, M. R. Schock, D. Lytle and R. Murray", *Journal of Water Resources Planning and Management*, **ASCE**, 148(2), doi.org/10.1061/(ASCE)WR.1943-5452.0001519 (**IF- 3.457**) (**Q1**)
6. Prasad, R.K. and Parmar, D. (2021) Discussion on "Hydraulic Analysis of Intermittent Water Distribution Networks Considering Partial-Flow Regimes by S. Mohan and G. R. Abhijith, ", *Journal of Water Resources Planning and Management*, **ASCE**, 147(11), doi.org/10.1061/(ASCE)WR.1943-5452.0001467 (**IF- 3.457**) (**Q1**)
7. Prasad, R.K. and Parmar, D. (2021) Discussion on "Effect of Pipe Size and Location on Water-Main Head Loss in Water Distribution Systems" by Saeed Hashemi, Yves Filion, Vanessa Speight and Andrew Long, ", *Journal of Water Resources Planning and Management*, **ASCE**, 147(10), doi.org/10.1061/(ASCE)WR.1943-5452.0001459, (**IF 3.457**) (**Q1**)
8. Parmar, D. (2021). Discussion on "Effect of Water Shortage and Pollution of Irrigation Water on Water Reuse for Irrigation in the Nile Delta." By Walaa Assar; Mona G. Ibrahim; Wael Mahmood; Ayman Allam; Ahmed Tawfik; and Chihiro Yoshimura, *Journal of Irrigation and Drainage Engineering*, 147(2), **ASCE**, DOI: 10.1061/(ASCE)IR.1943-4774.0001533 (**IF: 1.976**) (**Q2**)
9. Parmar, D. and Keshari, A.K., Multiobjective Wasteload Allocation: Application to Delhi stretch of the river Yamuna, India, *International Journal of Environmental and Waste Management*, **Inderscience**, DOI: 10.1504/IJEW.2023.10045111, (**in press**)
10. Parmar, D. and Keshari, A.K. (2020). Discussion of "Water Quality–Based Environmental Flow under Plausible Temperature and Pollution Scenarios." by Shushobhit Chaudhary, C. T. Dhanya, Arun Kumar, and Rehana Shaik",

- "DOI.org/10.1061/(ASCE) HE.1943-5584.0001780", Journal of Hydrologic Engineering, ASCE, 25 (6), [https://doi.org/10.1061/\(ASCE\)HE.1943-5584.0001780](https://doi.org/10.1061/(ASCE)HE.1943-5584.0001780). (IF: 2.439) (highest downloaded/read discussion paper in last 6 years). (Awarded the best discussion award by JoHE, ASCE for the year 2021) (Q2)
11. Parmar, D. and Keshari, A.K. (2018). "Simulating Strategic Measures for Managing Water Quality in the Delhi stretch of the River Yamuna, India", Sustainable Water Resources Management, Springer, 4(4), 1123-1133. (Citation 4) (Q3)
  12. Parmar, D. and Rai, M. (2017). "Performance Evaluation of Combined Biomedical Waste Treatment Plants with Specific Focus on Incinerators Using Data Envelope Analysis in Uttar Pradesh.", India, Journal of Hazardous, Toxic, and Radioactive Waste, ASCE, 21(1), doi.org/10.1061/(ASCE)HZ.2153-5515.0000321 (Citation: 2) (IF: 1.12). (Q2)
  13. Parmar, D. and Keshari, A.K. (2014). Wasteload allocation using wastewater treatment and flow augmentation, Environmental modeling and assessment, Springer, 19(1), 35-44. (Citation: 11) (IF: 2.212) (Q2)
  14. Ansari, K.F., Gehlot, C.L., and Parmar, D. (2012). "Some Novel Oxadiazolyl/Azetidinyl Benzimidazole Derivatives: Synthesis and in vitro Biological Evaluation", Synthetic Communications, Taylor and Francis, Synthetic Communications, 42(24), DOI: 10.1080/00397911.2011.580881, (Citation: 3) (IF: 1.937) (Q3)
  15. Parmar, D. and Keshari, A.K. (2012). "Sensitivity Analysis of Water Quality for Delhi Stretch of river Yamuna, India." *Environmental Monitoring and Assessment*, Springer, 184 (3), 1487-1508. (Citation: 42) (3.307) (Q2)
  16. Parmar, D. and Keshari, A.K. (2011). "Discussion on "Assessment of Nitrogen and Phosphorus Control Tradeoffs Using a Water Quality Model with a Response Surface Method" by P. Wang and Lewis C. Linker, Journal of Water Resources Planning and Management, ASCE, 137 (5), 468-468. (Citation: 1) (IF: 3.457) (Q1)
  17. Parmar, D. and Prasad, R.K. (2010). Discussion on "Multiobjective Strategic Evaluation for Urban Development in Kaohsiung, Taiwan: Case Study" by Juan-Yuan Teng; Wen-Chih Huang; and Miin-Jye Huang, *Journal of Urban Planning and Management*, ASCE, 136 (3), 285. (IF: 2.361) (Q2)
  18. Parmar, D. (2008). Discussion on "Simultaneous Layout and Size Optimization of Water Distribution Networks: Engineering Approach" by M. H. Afshar, M. Akbari and M. A. Marino, *Journal of Infrastructure Systems*, ASCE, 15(2), 136-137. (Citation 1) (IF: 3.462) (Q2)
  19. Prasad, R. K. and Parmar, D. (2007) Discussion on "Optimal Pumping from Skimming Wells" by S.V.N. Rao; Sudhir Kumar; Shashank Shekhar and D. Chakraborty, *Journal of Hydrologic Engineering*, No.6, ASCE, 12(6), 708-709. (Citation 1) (IF: 2.439) (Q2)
  20. Keshari, A. K. and Parmar, D. (2006) Discussion on "Pollution Management in the Twentieth Century". *Journal of Environmental Engineering*, ASCE, 132(11), 1543-1546. (Citation: 5) (IF: 2.479) (Q2)
  21. Rathi, A., Parmar, D., Ganguly, R., Gurjar, B.R., Bhadauria, V. "Exposure Assessment of Particulate Matter during various Construction Activities in Kanpur City, India", *Environment, Development and Sustainability*, Springer (under review) (IF 3.868) (Q2)
  22. Srivastava, A. and Parmar, D. "Development of Water Utility Performance Index using Hybrid Aggregation Technique for Water Supply Systems in India." *Environment, Development and Sustainability*, Springer, (under revision), Springer (IF: 3.868) (Q1)

## National Journals (01)

1. **Parmar, D. and Sinha, A.K. (1998).** “Problems and growth management in the city of Delhi: Planning for the sustainable development”, Journal of Indian Building Congress, April 1998.

## Book Chapter (1 nos.)

**Parmar D.,** Keshari A.K. (2020) Monitoring and Processing of Data for Effective Wasteload Allocation Modeling in India. In: Gupta T., Singh S., Rajput P., Agarwal A. (eds) Measurement, Analysis and Remediation of Environmental Pollutants. Energy, Environment, and Sustainability. Springer, Singapore. doi.org/10.1007/978-981-15-0540-9\_17, 357-373. **(Citation 1)**

## B. In Conferences / Symposia

### International (42 Nos.)

1. Sharma, S. and Parmar, D. (2020). “Simulating the Impact of Strategic Interventions on Water Quality of River Ganges in Kanpur, India.”, In: (Eds. Adak et al.) Proceedings of peer reviewed Abstracts of 2nd ASCE India Conference on “Challenges of Resilient and sustainable Infrastructure Development in Emerging Economies” (CRSIDE2020), organized by ASCE India Section, Kolkata, March 2-4<sup>th</sup> 2020, p.26.
2. Bhadauriya, V. and Parmar, D. (2020). “Assessment of PM<sub>2.5</sub> at Temples and Cremation Ground in Kanpur, India.”,” In: (Eds. Adak et al.) Proceedings of peer reviewed Abstracts of 2<sup>nd</sup> ASCE India Conference on “Challenges of Resilient and sustainable Infrastructure Development in Emerging Economies” (CRSIDE2020), organized by ASCE India Section, Kolkata, March 2-4<sup>th</sup> 2020, p.159.
3. Rathi, A. and Parmar, D. (2020). “Assessment of PM<sub>2.5</sub> and PM<sub>10</sub> at select construction sites in Kanpur city.” In: (Eds. Adak et al.) Proceedings of peer reviewed Abstracts of 2<sup>nd</sup> ASCE India Conference on “Challenges of Resilient and sustainable Infrastructure Development in Emerging Economies” (CRSIDE2020), organized by ASCE India Section, Kolkata, March 2-4<sup>th</sup> 2020, p.157.
4. Shukla, A. and Parmar, D. (2020). “Hydraulic Simulation and Optimization for Effective Design of Water Supply Systems in India.”, In: (Eds. Adak et al.) Proceedings of peer reviewed Abstracts of 2nd ASCE India Conference on “Challenges of Resilient and sustainable Infrastructure Development in Emerging Economies” (CRSIDE2020), organized by ASCE India Section, Kolkata, March 2-4<sup>th</sup> 2020, p.139.
5. Sharma, A. and Parmar, D. (2020). “Conceptual Framework of Urban River Management Plan for Kanpur city, India.” In: (Eds. Adak et al.) Proceedings of peer reviewed Abstracts of 2<sup>nd</sup> ASCE India Conference on “Challenges of Resilient and sustainable Infrastructure Development in Emerging Economies” (CRSIDE2020), organized by ASCE India Section, Kolkata, March 2-4<sup>th</sup> 2020, p.152.
6. Goyal, I. and Parmar, D. (2020). “Simulating the impact of Anthropogenic activities during Kumbh Mela on the water quality of the river Ganges and the adjoining aquifer in Prayagraj, India.”, In: (Eds. Adak et al.) Proceedings of peer reviewed Abstracts of 2nd ASCE India Conference on “Challenges of Resilient and sustainable Infrastructure Development in Emerging Economies” (CRSIDE2020), organized by ASCE India Section, Kolkata, March 2-4<sup>th</sup> 2020 (Poster), p.108.
7. Sharma, A. and Parmar, D. (2020). “Techno-economic Evaluation of wastewater reuse in Kanpur city.”, In: (Eds. Kumar and Patle) Proceedings of International

- Conference on Energy and Environmental Technologies for Sustainable Development (CHEM-CONFLUX-20), Excellent Publishing House, New Delhi Organized by Department of Chemical Engineering, MNNIT, Allahabad, February 14-16<sup>th</sup>, 2020, p.62, ISBN 9789386238863).
8. Goyal, I. and Parmar, D. (2020). “Water Quality Modeling of river Ganges in Prayagraj.”, In: Proceedings of International Conference on Energy and Environmental Technologies for Sustainable Development (CHEM-CONFLUX-20), Excellent Publishing House, New Delhi Organized by Department of Chemical Engineering, MNNIT, Allahabad, February 14-16<sup>th</sup>, 2020, p.62, ISBN 9789386238863).
  9. Shukla, A. and Parmar, D. (2020). “Pipe Optimization of Branch Water Supply Systems using Open Source Software.”, In: Proceedings of International Conference on Energy and Environmental Technologies for Sustainable Development (CHEM-CONFLUX-20), Excellent Publishing House, New Delhi Organized by Department of Chemical Engineering, MNNIT, Allahabad, February 14-16<sup>th</sup>, 2020, p.62, ISBN 9789386238863).
  10. Sharma, A. and Parmar, D. (2020). “Water budgeting using concept of “Urban River Management Planning” for Kanpur city, India.”, In: Book of Abstracts (Eds. Nagar et al.) - World Environment Summit 2020, organized by Environment and Social Development Association (ESDA), Delhi held at Delhi during January 18-19<sup>th</sup> 2020, p.225
  11. Shukla, A. and Parmar, D. (2020). “Efficacy of Reverse Osmosis System for drinking water treatment at household level: Need for Introspection.”, In: Book of Abstracts (Eds. Nagar et al.) - World Environment Summit 2020, organized by Environment and Social Development Association (ESDA), Delhi held at Delhi during January 18-19<sup>th</sup> 2020, p.236.
  12. Shankhwar, S. and **Parmar, D.** (2019). “Occupational Health Risk Assessment by Use of Chalks in Classrooms of Kanpur City, India.”, **accepted for Oral Presentation** in 4<sup>th</sup> International conference on “Sustainable Energy and Environmental Challenges” (IV SEEC) held during Nov. 27-29<sup>th</sup> 2019 at CSIR-NEERI, Nagpur, India
  13. Jain, P. K. and **Parmar, D.** (2019). “Multicriteria Decision Making based Benchmarking of Urbanization in Indian States.” **accepted for Oral Presentation** in 4<sup>th</sup> International conference on “Sustainable Energy and Environmental Challenges” (IV SEEC) held during Nov. 27-29<sup>th</sup> 2019 at CSIR-NEERI, Nagpur, India
  14. Gani, A. and **Parmar, D.** (2019). Development of Groundwater Quality Index for various Union Territories of India **accepted for Poster Presentation** in 4<sup>th</sup> International conference on “Sustainable Energy and Environmental Challenges” (IV SEEC) held during Nov. 27-29<sup>th</sup> 2019 at CSIR-NEERI, Nagpur, India
  15. Kumar, A. **Parmar, D.** and Singh, L.K. (2019). Bacterial Infection and its evaluation through paper currency in Kanpur city, India **accepted for Poster Presentation** in 4<sup>th</sup> International conference on “Sustainable Energy and Environmental Challenges” (IV SEEC) held during Nov. 27-29<sup>th</sup> 2019 at CSIR-NEERI, Nagpur, India
  16. Jain, P. K. and **Parmar, D.** (2019). “Benchmarking the Urbanization in Indian States with Focus on North Eastern States and Union Territories.” **Accepted for presentation** in 6<sup>th</sup> International Conference on Science, Technology & Management (ICSTM-2019) held on July 7<sup>th</sup> 2019 at Chandigarh (**Abstract**)
  17. Gani, A. and **Parmar, D.** (2019). “Comparison of Ground Water Quality Index for Shallow and Deep Aquifers of Uttar Pradesh, India.”, **Accepted for presentation in** 6<sup>th</sup> International Conference on Science, Technology & Management (ICSTM-2019) held on July 7<sup>th</sup> 2019 at Chandigarh (**Abstract**)

18. Shankhwar, S. and **Parmar, D.** (2019). "Occupational Human Health Risk Assessment by Use of Chalks in Classroom.", **Accepted for presentation** in 6th International Conference on Science, Technology & Management (ICSTM-2019) held on July 7<sup>th</sup> 2019 at Chandigarh (**Abstract**)
19. Kumar, A. **Parmar, D.** and Singh, L.K. (2019). "Human Health Risk Assessment of Infection through Paper Currency.", **Accepted for presentation** in 6th International Conference on Science, Technology & Management (ICSTM-2019) held on July 7<sup>th</sup> 2019 at Chandigarh (**Abstract**)
20. Jain, P. K. and **Parmar, D.** (2019). "**Benchmarking of States in India based on Level of Urbanization.**",
21. Kumar, A. **Parmar, D.** and Singh, L.K. (2019). "**Bacterial Infection and its evaluation through Paper Currency in Kanpur City, India.**", *AMICR 2019*.
22. Shankhwar, S. and **Parmar, D.** (2019). "**Health Risk Assessment by Use of Chalks in Classrooms of Kanpur City, India.**", *AMICR 2019*
23. Singh, S. and **Parmar, D.** (2018). "Development and Application of Disjktra's Shortest Path Algorithm for Solid Waste Route Optimization" (Accepted for poster presentation in iEMSS 2018, USA)
24. Singh, V.P. and **Parmar, D.** (2017) "BOD-DO Models for Ganges and Yamuna River, India Using ANN", In: Book of Abstract on "International Conference on modeling of Environmental and Water Resources", ICMEWRS-2017 held during March 24-26<sup>th</sup> 2017 at HBTU Kanpur, Publisher: Allied Publishers Pvt. Ltd., p.83 (ISBN:978-93-85926-53-2)
25. Gupta, A. and **Parmar, D.** (2017). "Water Quality Modeling for Kanpur Stretch of River Ganges, India.", In: Book of Abstract on "International Conference on modeling of Environmental and Water Resources", ICMEWRS-2017 held during March 24-26<sup>th</sup> 2017 at HBTU Kanpur, Publisher: Allied Publishers Pvt. Ltd.,p.93 (ISBN:978-93-85926-53-2)
26. Gupta, A. and **Parmar, D.** (2017). "Sensitivity Analysis of Water Quality Parameters for Kanpur Stretch of River Ganges, India", In: Book of Abstract on "International Conference on modeling of Environmental and Water Resources", ICMEWRS-2017 held during March 24-26<sup>th</sup> 2017 at HBTU Kanpur, Publisher: Allied Publishers Pvt. Ltd.p.95 (ISBN:978-93-85926-53-2)
27. Yadav, D.Y. and **Parmar, D.** (2017). "Performance Evaluation of Sewage Treatment Plants Using Tolerance Based Data Envelope Analysis: A Case of Delhi City, India.", In: Book of Abstract on "International Conference on modeling of Environmental and Water Resources", ICMEWRS-2017 held during March 24-26<sup>th</sup> 2017 at HBTU Kanpur, Publisher: Allied Publishers Pvt. Ltd.,p 185
28. **Parmar, D.**, Kumar, V., Rathaur, A., Soni, V.K. and Kumar, P. (2017). "Hydrological Investigation of Ganga Sub-Catchment in Kanpur.", In: Book of Abstract on "International Conference on modeling of Environmental and Water Resources",
29. ICMEWRS-2017 held during March 24-26<sup>th</sup> 2017 at HBTU Kanpur, Publisher: Allied Publishers Pvt. Ltd.,p.193 (ISBN:978-93-85926-53-2)
30. Solanki, M. and **Parmar, D.** (2017). "Strategic Management of E-waste with Specific Reference to Mobile Phones Using Game Theory.", In: Book of Abstract on "International Conference on modeling of Environmental and Water Resources", ICMEWRS-2017 held during March 24-26<sup>th</sup> 2017 at HBTU Kanpur, p.203 (ISBN:978-93-85926-53-2)
31. **Parmar, D.** and Keshari, A.K.(2012). "Calibration and Validation of QUAL2E model on the Delhi stretch of the river Yamuna, India" In: Book of Abstracts of 2012 International SWAT Conference, July 18-20, 2012, IIT Delhi, New Delhi, 129.
32. **Parmar, D., Singh, S., Rawat, H., Wal, P., Johari, P. M. and Khitoliya, R.K.** "Regression models for leakage assessment in water distribution systems." In Proceedings (CD form) of 3 day International Conference on "3<sup>rd</sup> International

Perspective on Current & Future State of Water Resources and Environment.” Organized by EWRI of ASCE and IIT Chennai and held at IIT Chennai during January 5-7<sup>th</sup> 2010.

33. **Parmar, D.** and Keshari, A.K. “Strategic Measures for Water Quality Improvement in Delhi Stretch of River Yamuna, India, In Proceedings (CD form) of 3-day International Conference on “3<sup>rd</sup> International Perspective on Current & Future State of Water Resources and Environment.” Organized by EWRI of ASCE and IIT Chennai and held at IIT Chennai during January 5-7<sup>th</sup> 2010.
34. **Parmar, D.** and Keshari, A.K. “Sensitivity analysis of water quality for Delhi Stretch of river Yamuna, India, In Proceedings (CD form) of 3-day International Conference on “3<sup>rd</sup> International Perspective on Current & Future State of Water Resources and Environment.” Organized by EWRI of ASCE and IIT Chennai and held at IIT Chennai during January 5-7<sup>th</sup> 2010.
35. **Parmar, D. L.** (2008). “Leakage Assessment in a Water Distribution System: A Case Study.” International Disaster reduction Conference DAVOS 2008 to be held at **Davos, Switzerland**, August 24-29<sup>th</sup>, 2008 (**Accepted**).
36. **Parmar, D. L.** (2008). “Stream aquifer interaction with specific reference to Delhi stretch of river Yamuna.” International Disaster reduction Conference DAVOS 2008 to be held at **Davos, Switzerland**, August 24-29<sup>th</sup>, 2008 (**Accepted for poster presentation**).
37. **Parmar, D. L.** and Keshari, A. K. “Systems Approach to Water Quality Management in Delhi Reach of River Yamuna, India”, Proc. of *International Perspective on Environment and Water* (Eds. Singh, U., Datta, B., Panigrahi, B., Sharma, M.), **ASCE**, EWRI-IIT Kanpur, held at **New Delhi**, India, December 18-20<sup>th</sup> 2006, 24.(attended and presented)
38. **Parmar, D. L** and Keshari, A. K. “Multiobjective optimization for water quality management in river system” to be held at **Portland (Oregon), USA**, AIM-2006, USABE from July 9<sup>th</sup>-12<sup>th</sup> 2006 (**Abstract accepted**)
39. **Parmar, D. L** and Keshari, A. K. “Risk Assessment of Wasteload Allocation for Delhi Reach of River Yamuna, India”, for International Disaster reduction Conference DAVOS 2006 to be held at **Davos, Switzerland**, (**Accepted for Poster Presentation**)
40. **Parmar, D. L** and Keshari, A. K. (2005). “Economic Value of Wastewater for Irrigation in India”, Proceeding of 5<sup>th</sup> International Conference on R & D, vol. I- Water resources, February 15-18<sup>th</sup>, 2005, pp I49-I57
41. **Parmar, D. L.**, Kumar, N., and Singh, D. (2003). “Challenges for Sustainable Development in the Next Millennium”, Accepted for Poster presentation: In International Conference on Energy and Environmental technologies for Sustainable Development, Oct.8-10, 2003, MNNIT, Jaipur, India.
42. **Parmar, D. L.** (2000). ‘Drought – The Indian scenario and Disaster Management by Public Participation’: In Proceedings of International Conference on Construction Industry- Challenges of Sustainable Development, Disaster Management & Environmental Management held at Chandigarh, Nov 18-20, 2000, pp. 572-577.

#### **National (22 Nos.)**

1. **Parmar, D.** (2017). “Challenges and problems in Indian Challenges and Problems of Construction Industry: Strategic Framework for Indian Scenario.”, In: Proceedings of National Seminar on held at IE(I), Kanpur local Centre, October 29<sup>th</sup> 2017 (**Invited Paper**)
2. **Parmar, D.** (2017). “**Modeling of waste management**” In: On day National Workshop on “From waste to profits through reduce, recycle and reuse” held on March 30<sup>th</sup> 2017 (**Invited Paper**)

3. **Parmar, D. (2015).** “Effective Implementation of Low-Cost Construction Techniques for Housing: Overview and Road Ahead”, In: the Inaugural Ceremony of National Seminar on “Low Cost Housing for Rural and Urban Areas of Uttar Pradesh”, Nov 26<sup>th</sup> 2015 jointly organized by Technical Education Department, Government of U.P. and Department of Civil Engineering, Harcourt Butler Technological Institute, Kanpur (**Keynote address during Inaugural Session**)
4. Parmar, D. (2015). “Modified Syllabus for Undergraduate Programme in Civil Engineering with focus on Core Subjects”, June 27<sup>th</sup> 2015, 2 days workshop on curriculum development in civil engineering held during June 27-28, 2015 (**Invited Paper**)
5. Parmar, D. (2015). "Reinventing Engineering Education Post IT Party: Should we have a Paradigm Shift to Core? June 8<sup>th</sup> 2015, TEQIP-II Sponsored Faculty Seminar, Organized by HBTU Kanpur and UP Government, June 8-9, 2015(**Keynote address**)
6. Parmar, D. (2015). "Chemical Sciences vis-a-vis Environmental Engineering with Specific Reference to Controlling Environmental Pollution: Issues, Challenges and R&D Directions", April 11<sup>th</sup> 2015 In National Conference on THE FRONTIERS OF CHEMICAL SCIENCES AND POTENTIAL INTERFACES (FCSPI-2015) Friday-Saturday, 10-11 April, 2015 (**Keynote address**)
7. Whither Water and Sanitation in Rural Areas: Challenges, Solutions and R & D directions in National workshop on Challenges and Opportunities for management of water supplies in rural areas held at ISM Dhanbad, COMWRA 2015, during Jan 23-24, 2015. (**Keynote address**)
8. Parmar, D. (2014). “Sustainability of Water and Wastewater Infrastructure: Challenges, Solutions and R & D directions.”, In: Proceedings of National conference on Sustainable Infrastructure Development, held at NITTR Chandigarh during March 13-14<sup>th</sup> 2014. (**Keynote address**)
9. **Parmar, D.L. (2013).** “Wasteload Allocation as a method of Wastewater Treatment for Pollution Control in Book of Abstract of National Seminar on Advances in Bioprocesses Engineering, Department of Biochemical Engineering and Food Technology, HBTI Kanpur
10. **Parmar, D. L. and Keshari, A.K. (2008).** “River Water Quality Modeling Using Simulation Model.” In: Proc. Of Faculty Development programme on Recent Strategies for Remediation of Environmental Pollution (Eds. D.L. Parmar and Alok Sinha), HBTI Kanpur, April 25-26, 25-36.
11. **Parmar, D. L. and Keshari, A.K. (2008).** “Multiobjective Waste Load Allocation Modeling for a River System.” In: Proc. Of Faculty Development programme on Recent Strategies For Remediation Of Environmental Pollution (Eds. D.L. Parmar and Alok Sinha), HBTI Kanpur, April 25-26, 37-50.
12. **Parmar, D. L. (2007).** “Water Pollution: Problems, Issues and R&D directions.”(Invited Paper), In: Book of Abstract of WATER YEAR-2007 Sangosthi, held at CSAUAT, Kanpur on May 10<sup>th</sup> 2007.(**Invited Paper**)
13. **Parmar, D. L and Keshari, A.K. (2005).** ‘Multiobjective optimization framework for sustainable development of water resources in Delhi region’, Proceedings of National Workshop cum conference on ‘Emerging technologies for controlling groundwater pollution: Drinking water perspectives’ held at IIT, Delhi on May19-20<sup>th</sup> , 2005.
14. **Parmar, D. L. and Keshari, D. L. (2005).** “Yamuna nadi ke paripekshya mein jal gunwatta prabhandhan ka vivechanatmak vishleshan”, Proceedings of book of abstract

- of one day Seminar/Workshop on ‘Rajbhasha hindi mein vaigyanik evam takniki lekhan ko protsahan’ held at IIT Delhi on Decemeber 12<sup>th</sup> , 2005.
15. **Parmar, D.L** and Kumar, R. (2004). ‘Upgradation of water supply infrastructure by technological innovations’, Proceeding of National Seminar on ‘Advances in Building Construction and Rehabilitation Technology’, (Ed. Santosh kumar and Rajeev kumar) held at IITK on March, 2-4, 2004, pp 287-291.
  16. Keshari, A.K and **Parmar, D. L.** (2004). ‘Use of River water quality modeling with specific reference to QUAL 2E’, Proceeding of Training Manual on Groundwater flow and mass transport modeling’,(Ed. A.L. Ramanathan, M. Thangarajan, and Ram kumar) held at JNU, New Delhi, November 12-December 9<sup>th</sup> , 2004.
  17. **Parmar, D. L.**, Singh, S and Kapoor, N. (2003). ‘Advancements in Water Distribution Systems’, Proceeding of National Conference on Advances in Civil Engineering: Perspectives of Developing Countries, Vol.2 ( Ed D. Parmar and Pradeep kumar) , 2003
  18. **Parmar, D. L.**, Singh, D S, Anupama and Singh, S. (2003). ‘Financial viability of BOT project’, Proceeding of National Conference on Advances in Civil Engineering: Perspectives of Developing Countries, Vol.2 ( Ed D. Parmar and Pradeep kumar), 2003
  19. Nigam, A. K., Shukla, A. , Dixit, O., and **Parmar, D. L.** (2003). ‘Groundwater quality in Jhansi region’, Proceeding of National Conference on Advances in Civil Engineering: Perspectives of Developing Countries Vol.2 ( Ed D. Parmar and Pradeep kumar), 2003
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  21. **Parmar, D. L.** and Sandeep Singh (2002). ‘Groundwater Vulnerability: Management using Remote Sensing and Geographical Information System, Presented in National Seminar on Environmental Management Systems in Chemical and Allied Industries, IE (I), HBTI, Kanpur, Oct 4-5, 2002.(Abstract published)
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