

List of Publications

International Journals:

1. Vikas Srivastava, Satyendra Nath, and P. K. Mehta, "Rice Husk Ash Concrete and Cement Matrix - A Review", Bioved – An Int. Bi-annual Journal of Life Sciences, India, Vol 21, No. 1 & 2, pp. 115-119, Feb, Aug 2010.
2. Vikas Srivastava, Rakesh Kumar and P. K. Mehta "Utilization of Agricultural wastes in Construction Industry–A Review", Bioved – An Int. Bi-annual Journal of Life Sciences, India, Vol 21, No. 1 & 2, pp. 159-162, Feb, Aug 2010.
3. Tabin Rushad S, Abhishek Kumar, Duggal S.K., and Mehta, P.K., "Experimental Studies on Lime-Soil-Fly Ash Bricks", Int. Journal of Civil and Structural Engineering, Vol I, No 4, pp. 994-1002, 2011.
4. Vikas Srivastava, Rakesh Kumar, V. C. Agrawal and P. K. Mehta, "Effect of Silica Fume and Metakaolin Combination on Concrete", International Journal of Civil and Structural Engineering, Vol 2, No. 3, , pp.893-900, 2012
5. Mohd Monish, Vikas Srivastava, V.C. Agrawal, P.K. Mehta and Rakesh Kumar, "Demolished Waste as Coarse Aggregate in Concrete", Journal of Academia and Industrial Research, Vol 1(9), pp. 540-542, Feb 2013.
6. Vikas Srivastava, V.C. Agrawal, Atul, Rakesh Kumar and P. K. Mehta, "Silica Fume – An Admixture for High Quality Concrete", Journal of Environmental & Nano Technology, Vol 2 (2013), pp. 53-58, 2013.
7. Vikas Srivastava, Rakesh Kumar and P. K. Mehta, "Concrete Made With Waste Materials-A Review", Journal of Environmental Nanotechnology, Vol 2, No 2(2013), pp. 102-106, 2013.
8. Vikas Srivastava, Mohd Monish, V.C. Agrawal and P. K. Mehta, "Demolition Waste as Cement Replacement in Concrete", Journal of Environmental Nanotechnology, Vol 2, No 3(Sept, 2013), pp. 16-19, 2013.
9. Vikas Srivastava, P. K. Mehta and Satyendra Nath, "Natural Fibre in Cement and Concrete Matrices- A Review", Journal of Environmental Nanotechnology, Vol 2, No 3(Sept, 2013), pp. 62-65, 2013.
10. Vikas Srivastava, Alvin Harison, P. K. Mehta, Atul and Rakesh Kumar, "Effect of Silica Fume in Concrete", Int. Journal of Innovative Research in Science, Engineering and Technology, Vol 3, Special Issue 4, pp. 254-259, March 2014. ISSN (Online: 2319-8753), ISSN (Print): 2347-6710.
11. Rakesh Kumar, P. K. Mehta, Devbrat Singh, Anup Kumar Pandey and Sarvesh Kumar, "Compression Dispersion Efficiency of Concrete Struts at Different Load Concentration Ratios", Int. Journal of Engineering Research, Vol. 3, Issue 6, pp. 369-373, June 2014. ISSN: 2319-6890 (On line)
12. Rahul Upadhyay, Vikas Srivastava, Arpan Herbert and P.K. Mehta, "Effect of Fly Ash on Flexural Strength of Portland Pozzolona Cement Concrete", Journal of Academia and Industrial Research (JAIR), , Volume 3, Issue 5, pp. 218-220, October 2014. ISSN: 2278-5213.
13. Rakesh Kumar, P. K. Mehta, and Vikas Srivastava, "Effect of Metakaoline and Recycled Fine Aggregate on Workability and Compressive Strength of Concrete", Journal of Environmental Nanotechnology, Volume 3, No.3, pp. 82-87, 2014. ISSN (Print): 2279-0748, ISSN (Online): 2319-5541.
14. Sandeep Kumar Singh, Vikas Srivastava, V.C. Agarwal, Rakesh Kumar and P.K. Mehta, "An Experimental Investigation on Stone Dust as Partial Replacement of Fine Aggregate in Concrete", Journal of Academia and Industrial Research (JAIR), Volume 3, Issue 5, pp.229-232, October 2014. ISSN: 2278-5213.
15. Vikas Srivastava, Rakesh Kumar, V. C. Agarwal and P.K. Mehta, "Effect of Silica Fume on Workability and Compressive Strength of OPC Concrete", Journal of Environmental Nanotechnology, Volume 3, No.3, pp. 32-35, 2014, ISSN (Print): 2279-0748 ISSN (Online): 2319-5541.
16. Awasthi Jitendra, Ghosh G. and Mehta P.K., "Performance- Based Seismic Design of a Building", International Journal of Advanced Technology in Engineering and Science (IJATES – 2016), Volume 4, Issue 4, pp.74-83, April 2016. ISSN: 2348-7550.
17. Awasthi Jitendra, Ghosh G. and Mehta P.K., "Pushover Analysis of a RC Bridge", International Journal of Innovative Research in Science and Engineering (IJIRSE - 2016), Volume 2, Issue 5, pp.480-488, May 2016. ISSN: 2454-9665.

18. Shashikant Srivastava, Mohd Arif Ansari, P.K. Mehta and Vikas Srivastava, "Flyash as partial replacement of portland pozzolana cement in concrete: an experimental investigation", *International Journal of Civil Engineering & Technology (IJCIET)*, Vol. 7, Issue 6, pp. 207-214, Nov-Dec, 2016. ISSN Print: 0976-6308, ISSN Online: 0976-6316 (*Scopus Indexed*).
19. Praveen Kumar Gupta, Rakesh Kumar, Y.K. Gupta and P.K. Mehta, "Effect of Acidic Environment on Self Compacting Concrete", *International Journal of Civil Engineering & Technology (IJCIET)*, Vol. 8, Issue 2, pp. 595-606, Feb, 2017. ISSN Print: 0976-6308, ISSN Online: 0976-6316 (*Scopus Indexed*).
20. Rakesh Kumar, P.K. Mehta, P.R. Pal and Ashiq T P, "Relation among Mechanical Properties of Ground Granulated Blast Furnace Slag Concrete", *International Journal of Civil Engineering & Technology (IJCIET)*, Vol. 8, Issue. 3, pp. 423-431, March, 2017. ISSN Print: 0976-6308, ISSN Online: 0976-6316 (*Scopus Indexed*).
21. Preeti Agarwal, P. Pal and P.K. Mehta, "Analysis of RC Skew Box Girder Bridges", *International Journal of Science and Innovative Engineering and Technology*, Vol. 6, pp. 1-8, May, 2019. ISSN Print: 978-93-81288-18-4.
22. Deep Tripathi, Rakesh Kumar, P. K. Mehta and Amrendra Singh, "Optimum Dose of Binary Admixture in Self Compacting Concrete", *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, Vol. 9, Issue. 1, pp. 103-108, November, 2019. ISSN: 2278-3075 (Online) (*Scopus Indexed*).
23. Deep Tripathi, P. K. Mehta, Rakesh Kumar and Amrendra Singh, "Silica Fume Mixed Concrete in Acidic Environment" *Materials Today: Proceedings (Elsevier)*, Vol 27, Issue-2, pp. 1001-1005, Feb 14, 2020. (DOI: 10.1016/j.matpr.2020.01.311) (*Scopus Indexed*).
24. Amrendra Singh, P. K. Mehta, Rakesh Kumar and Deep Tripathi, "Effect of Nitric Acid on Rice Husk Ash and Steel Fiber Reinforced Concrete" *Materials Today: Proceedings (Elsevier)*, Vol 27, Issue-2, pp. 995-1000, Feb 08, 2020. (DOI: 10.1016/j.matpr.2020.01.310) (*Scopus Indexed*).
25. Deep Tripathi, Rakesh Kumar, P. K. Mehta and Vishal Rawat (2020) "An Experimental Study on the Properties of SCC with Manufactured Sand", *CHEMCONFLUX²⁰ Special Issue, Journal of the Indian Chemical Society*, ISSN: 0019-4522, Vol. 97, No. 10a, pp. 1673-1677, October 2020 (*Scopus Indexed- SCI Expanded*).
26. Anjali Singh, P.K. Mehta and Rakesh Kumar "Use of Recycled Coarse Aggregate in Self Compacting Concrete", *CHEMCONFLUX²⁰ Special Issue, Journal of the Indian Chemical Society*, ISSN: 0019-4522, Vol. 97, No. 10a, pp. 1703-1708, October 2020 (*Scopus Indexed- SCI Expanded*).
27. Jitendra Awasthi, Goutam Ghosh, Pradeep Kumar Mehta, "Seismic design of a curved bridge as per performance based criteria" *Materials Today: Proceedings 38 (2021) (Elsevier)*, Vol 38, Part 5, pp. 3014-3018, October 27, 2020 (Online). (DOI: 10.1016/j.matpr.2020.09.324) (*Scopus Indexed*).
28. Preeti Agarwal, Priyaranjan Pal, Pradeep Kumar Mehta, "Parametric study on skew-curved RC box-girder bridges" *Structures*, Vol.28, Proceedings (Elsevier), pp. 380-388, December, 2020, Doi: <https://doi.org/10.1016/j.istruc.2020.08.025>. (*SCI Indexed*)
29. Preeti Agarwal, Priyaranjan Pal, Pradeep Kumar Mehta, "Computation of design forces and deflection in skew-curved box-girder bridges" *Structural Engineering and Mechanics*, Vol.78, No. 3, pp. 255-267, May, 2021. (*SCI Indexed*) (DOI: <https://doi.org/10.12989/sem.2021.78.3.255>) (ISSN: 1225-4568 (Print) 1598-6217 (Online))
30. Nishi Gupta, Pradeep Kumar Mehta and Rakesh Kumar "Effect of Depth on Box Girder Bridges" *International Research Journal of Engineering and Technology (IRJET)*, Volume 8, Issue 6, pp. 4635-4641, June, 2021. <https://www.irjet.net/volume8-issue6> S. No: 840 (e-ISSN: 2395-0056; p-ISSN:2395-0072)
31. Deep Tripathi, Rakesh Kumar, P. K. Mehta, Amrendra Singh "Evaluation of A Sustainable Self Compacting Concrete Using Destructive and Non-Destructive Testing" *Materials Today: Proceedings*, Oct 13, 2021. (DOI: 10.1016/j.matpr.2021.09.389) (Elsevier - Scopus)
32. Deep Tripathi, Rakesh Kumar, P. K. Mehta "Characterization of Ternary Blended Self Compacting Concrete Exposed to Sulphate Environment" *Concrete Beton- Official publication of Cement and Concrete, South Africa*, 167, Nov 2021, pp. 24-29. (ISSN: 1682-6116)

33. Preeti Agarwal, Priyaranjan Pal, Pradeep Kumar Mehta, "Box-Girder Bridges- Modelling and Analysis" International Journal for Engineering Modelling, Vol.35, No. 1, pp.19-44, Feb, 2022. (*Scopus Indexed*) (DOI: <https://doi.org/10.31534/engmod.2022.1.ri.02m>)
34. Anjali Singh, P.K. Mehta, Rakesh Kumar, "Performance of binary admixture (Fly Ash and Silica Fume) on Self Compacting concrete", Materials Today: Proceedings, Vol. 58, Part 3, pp. 970-977, 2022 (Scopus)
35. Preeti Agarwal, Priyaranjan Pal, and Pradeep Kumar Mehta, "Free Vibration Analysis of RC Box Girder Bridges using FEM", Sound & Vibration, Vol.56, No. 2, pp.105-125, March, 2022. (*Scopus Indexed*)
36. Deep Tripathi, P. K. Mehta, Rakesh Kumar, (2021) "Development of An Environmental-friendly Durable Self Compacting Concrete" Environmental Science and Pollution Research, March 202, 29 (36), pp. 54167-64180 (DOI: <http://doi.org/10.1007/511356-022-19638-5>), (Springer- SCI)
37. Anjali Singh, P.K. Mehta and Rakesh Kumar, "Strength and Microstructure analysis of sustainable Self-Compacting Concrete with Recycled Coarse Aggregate, Fly Ash and Silica Fume", Materials Today: Proceedings, Vol. 78, pp. 86-98, 2023 (Elsevier- Scopus)
38. Anjali Singh, P.K. Mehta and Rakesh Kumar, "Recycled Coarse Aggregate and Silica Fume used in Sustainable Self-Compacting Concrete, International Journal of Advanced Technology and Engineering Exploration (IJATEE), Vol. 9(96), ISSN (Print): 2394-5443 ISSN (Online): 2394-7454 <http://dx.doi.org/10.19101/IJATEE.2021.876138>, pp. 1581-1596 Nov. 2022 (Scopus-Accepted).
39. Preeti Agarwal, Priyaranjan Pal and P. K. Mehta, "Finite Element Analysis of Reinforced Concrete Curved Box-Girder Bridges", Advances in Bridge Engineering, Vol. 4, No. 1, pp. 1-21, 2023, doi: 10.1186/s43251-023-00080-7 (Scopus)

National Journals:

1. Rakesh Kumar, P.K. Mehta, and Madhusudan P., "Bond Strength of Synthetic fibre Reinforced Concrete", Journal of Civil Engineering and Construction Review, Vol 21, No. 12, , pp. 110-116, 2008.
2. Rakesh Kumar, P.K. Mehta, and Madhusudan P., "Bond Strength of Steel fibre Reinforced Concrete", Journal of Civil Engineering and Construction Review, Vol 22, No. 10, pp. 46-53, 2009.
3. S.T.Rushad, Y Prasad, S. K. Duggal and P.K. Mehta, "Rat Trap Bond Vis-à-vis Conventional Wall", NICMAR Journal of Construction Management, Vol XXVI, No. II, pp. 31-40, 2011.
4. Vikas srivastava, Rakesh Kumar, V. C. Agarwal and P.K. Mehta, "Effect of Silica Fume and Metakaolin on Workability and Compressive Strength of Concrete", NICMAR Journal of Construction Management, Vol XXVI, No. IV, pp. 19-27, 2011.
5. P.K. Mehta and Vikas Srivastava, "Fly Ash Utilization in Construction Industry – A Step Towards Greener Environment", NICMAR Journal of Construction Management, Vol XXVI, No. IV, pp. 36-44, 2011.
6. Navin Kumar Chaudhary, S. K. Duggal, P.K. Mehta and Sheo Gopal' "Continuous Vs Integral Bridges – Primary and Secondary Effects", Journal of Structural Engineering, CSIR-SERC, Vol 39, No 1, pp.146-151, 2012. (*Scopus Indexed*)
7. Syed Tabin Rushad, Y. Prasad, S. K. Duggal, and P.K. Mehta, "Rat Trap Bond-Strength & Cost Aspects" Journal of Civil Engineering & Construction Review, Vol. 26, No.19, pp. 92-94, Jan, 2013.
8. Alvin Harison, Vikas Srivastava and P.K. Mehta, "Utility and Design of Pre Engineered Structures", Seminar on State-of-the-Art Building Technology, Organised by Indian Building Congress, April 26-28, Patna, Journal of Indian Building Congress, Vol. Twenty, No. Two, pp. 93-96, 2013.
9. Shachi Jain and P.K. Mehta, "Number of Spans of Pre-Stressed Concrete Bridge Decks: A Parametric Study", JUET Research Journal of Science and Technology, Narosa publication, Vol.3, No.1, pp.27-37, 2016. ISSN-2321-6026.
10. Vikas Srivastava, Rakesh Kumar, V.C. Agarwal and P.K. Mehta, "Metakaolin Inclusion- Effect on Workability and Compressive Strength", The Indian Journal of Technical Education, Vol.39, No.2, pp.50-55, April-June, 2016. ISSN-0971-3034.

11. Gorai, Amit Kumar, Sharma, Lalit Kumar, Pal, P., Mehta, P.K.," Effect of Partial Fixity on Negative Bending Moments in RCC Frames", Journal of Structural Engineering and Management, Vol. 4, pp.73-80, 2017.
12. Preeti Agarwal, Priyaranjan Pal, Pradeep Kumar Mehta, "Finite element analysis of skew box-girder bridges under IRC-A loading", Journal of Structural Engineering (Madras), Vol. 47(3), pp. 243-258, Aug-Sept, 2020. (*Scopus Indexed*)

International conference/seminar/symposium:

1. Agrawal, T.P. and Mehta, P.K.," Flyash Concrete Hollow Blocks", Proc., Int. Symp. on Innovative world of Concrete (ICI-IWC-93), pp. IV 3-199-208, Bangalore, 1993.
2. Agrawal, T.P. and Mehta, P.K.," Cable Stayed Bridges - A Mathematical Modelling", Proc., Int. Seminar on Civil Engg. Practices in Twenty first Century, pp. 318-326, Roorkee, 1996.
3. Agrawal, T.P. and Mehta, P.K.," Flyash - Pollution and Structural Aspects", Proc., 5th NCB Int. Seminar on Cement and Building Materials, Vol. 4, pp. XIV - 46-52, New Delhi , 1996.
4. Agrawal, T.P. and Mehta, P.K.," Flyash Concrete - A Special Reference to Permeability", Sixth NCB Int. Seminar on Cement and Building Materials, New Delhi, 24-27 November, 1998.
5. Agrawal, T.P., Sinha, A.N. and Mehta, P.K.," Flyash Concrete Roof Arch Panels ", Int. Symp. on Science & Tech. in the New Millennium, Calcutta, January 12- 15, 2000.
6. Rakesh Kumar, P.K. Mehta and Madhusudan P., " Bond Strength of Steel fibre Reinforced Concrete", Int. Conference on Recent Development in Structural Engg. (RDSE-2007), Manipal Institute of Technology, Manipal, (India), Aug 30-31 and Sept 01, 2007.
7. P.K. Mehta, Rakesh Kumar, and Madhusudan P., " Bond Strength of Synthetic fibre Reinforced Concrete", Int. Conference on Recent Development in Structural Engg. (RDSE-2007), Manipal Institute of Technology, Manipal, (India), Aug 30-31 and Sept 01, 2007.
8. Navin K Choudhary, S. K. Duggal, P.K. Mehta, and Sheo Gopal, "Continuous Vs Integral Bridge-Primary And Secondary Effects", The Seventh Structural Engineering Convention (SEC-2010), Department of Civil and Structural Engineering, Annamalai University, Annamalai Nagar, Tamilnadu (India), pp. 1316-1323, 08-10 December, 2010.
9. Rakesh Kumar, P.K. Mehta, Awadhesh Sharma, Ashish and Avneesh Kumar, "Correlation between Non-Destructive Strength and Destructive Strength of Stone Dust Concrete Struts at Different Load Concentration Ratios", International Conference on Recent Trends & Challenges in Civil Engineering (RTCCE-2014), Department of Civil Engineering, MNNIT, Allahabad, pp. 33, December 12-14, 2014.
10. Rakesh Kumar, P.K. Mehta, Avneesh Kumar, Ashish and Awadhesh Sharma, "Compression Dispersion Efficiency of Concrete Struts at Different Load Concentration Ratios using Stone Dust as a Partial Replacement of Fine Aggregate", International Conference on Recent Trends & Challenges in Civil Engineering (RTCCE-2014), Department of Civil Engineering, MNNIT, Allahabad, pp. 32, December 12-14, 2014.
11. Rakesh Kumar, P.K. Mehta, Ashish, Awadhesh Sharma, and Avneesh kumar, "Correlation between Non-Destructive Strength and Destructive Strength of Recycled aggregate Concrete Struts at Different Load Concentration Ratios", International Conference on Recent Trends & Challenges in Civil Engineering (RTCCE-2014), Department of Civil Engineering, MNNIT, Allahabad, pp. 32, December 12-14, 2014.
12. Ankit Kumar, Vikas Srivastava, Rakesh Kumar and P.K. Mehta, "Utilization of Waste Polythene Bags in Concrete - An Experimental Investigation", International Conference on Recent Trends & Challenges in Civil Engineering (RTCCE-2014), Department of Civil Engineering, MNNIT, Allahabad, pp. 34, December 12-14, 2014.
13. Vikas Srivastava, V. C. Agarwal, Rakesh Kumar and P.K. Mehta, "Effect of Silica Fume and Metakaolin combination on Compressive Strength of Concrete in Aggressive Environment", International Conference on Recent Trends & Challenges in Civil Engineering (RTCCE-2014), Department of Civil Engineering, MNNIT, Allahabad, pp.34, December 12-14, 2014.
14. Awasthi Jitendra, Ghosh, G. and Mehta, P.K., "Pushover Analysis of an RC Bridge", International Conference on Innovative Trends in Science, Engineering and Management (ICITSEM-2016), International Conference Centre YMCA, New Delhi, pp.322-331, May 27, 2016.

15. Atul, P.K. Mehta, Satyendranath and Vikas Srivastava, “ Use of Fly Ash as Supplementary Fine Aggregate in PPC Concrete”, International Conference on Emerging Trends in Civil Engineering (ICETCE-16), Dept. of Civil Engineering, KNIT, Sultanpur (UP), pp. 39-41, Oct 21-22, 2016.
16. Deep Tripathi, Rakesh Kumar and P.K. Mehta, “Performance Improvement of Self Compacting Concrete: A Review”, Proceedings International UKIERI Concrete Congress, NIT, Jalandhar (Punjab), pp. 84, March 5-8, 2019. (ISBN: 978-93-5351-262-0) (Online)
17. Preeti Agarwal, P. Pal and P.K. Mehta, “ Analysis of RC Skew Box-Girder Bridges”, International Conference on Contemporary Engineering and Technology, Dept. of Information Technology, Inderprastha Engineering College, Ghaziabad (UP), pp. 4, April 27-28, 2019. ISBN:978-93-81288-18-4
18. Deep Tripathi, Rakesh Kumar, P.K. Mehta, Amrendra Singh “Durability of Self Compacting Concrete in Acidic Environment in cooperation with Mineral Admixtures”, International Conference on Innovative Trends in Civil Engineering for Sustainable Development (ITCSD-2019), NIT, Warangal, pp. 111-112, September 13-15, 2019. (ISBN: 978-93-89354-46-1)
19. Amrendra Singh, Rakesh Kumar, P.K. Mehta, Deep Tripathi “Durability of Rice Husk Ash Concrete in Acidic Environment”, International Conference on Innovative Trends in Civil Engineering for Sustainable Development (ITCSD-2019), NIT, Warangal, pp. 113-114, September 13-15, 2019. (ISBN: 978-93-89354-46-1)
20. Preeti Agarwal, P. Pal and P.K. Mehta, “Analysis of Isotropic and Orthotropic Sandwich Bridge Decks”, Springer International Conference on Recent Trends and Innovations in Civil Engineering, Dept. of Civil Engineering, Medi-Caps University, Indore (MP), pp. 33, September 26-28, 2019.
21. Deep Tripathi, Rakesh Kumar, P. K. Mehta and Amrendra Singh, “Sulphate Resistance of Fly Ash and M-sand Mixed Self Compacting Concrete”, International Conference on Chemical, Bio & Environmental Engineering (CHEMBIOEN-2020), Dept of Chemical Engineering, NIT Jalandhar, pp. 42-43, February 13-14, 2020.
22. Amrendra Singh, Rakesh Kumar, P. K. Mehta and Deep Tripathi, “Self Compacting Concrete Incorporating Binary Admixtures”, International Conference on Chemical, Bio & Environmental Engineering (CHEMBIOEN-2020), Dept of Chemical Engineering, NIT Jalandhar, pp. 67, February 13-14, 2020.
23. Anjali Singh, P.K. Mehta, Rakesh Kumar and Abhishek Rajput “Optimum Dose of Fly Ash in Self Compacting Concrete” International Conference on Chemical, Bio & Environmental Engineering (CHEMBIOEN-2020), Department of Chemical Engineering, NIT Jalandhar, India, Paper ID-A640, pp. 124-125. February 13-14, 2020.
24. Deep Tripathi, Rakesh Kumar, P. K. Mehta and Vishal Rawat , “An Experimental Study on the Properties of SCC with Manufactured Sand” International Conference on Energy and Environmental Technologies for Sustainable Development (CHEM-CONFLUX 20), Dept of Chemical Engineering, MNNIT Allahabad, pp. 147, February 14-16, 2020.
25. Deep Tripathi, Rakesh Kumar, P. K. Mehta, and Amrendra Singh (2020), “Self-Compacting Concrete in Different Aggressive Environments,” International Conference on Chemical, Bio & Environmental Engineering (CHEMBIOEN-2020), February 13–14, 2020, NIT Jalandhar, pp. 42–43.
26. Anjali Singh, P. K. Mehta and Rakesh Kumar, “Use of Recycled Coarse Aggregate in Self Compacting Concrete” International Conference on Energy and Environmental Technologies for Sustainable Development (CHEM-CONFLUX 20), Dept of Chemical Engineering, Paper ID-101, MNNIT Allahabad, pp. 146, February 14-16, 2020.
27. Deep Tripathi, Rakesh Kumar, P. K. Mehta and Amrendra Singh, “Performance of Self Compacting Concrete with Binary Admixture in Sulphate Environment” Second ASCE India Conference on “Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies” (CRSIDE2020), Kolkata, Vol-1, pp. 222, March 02-04, 2020. (ISBN : 978-93-5396-500-6)
28. Amrendra Singh, Rakesh Kumar, P. K. Mehta and Deep Tripathi, “Mechanical Properties of Self Compacting Concrete Incorporating Fly Ash and Rice Husk Ash” Second ASCE India Conference on “Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies” (CRSIDE2020), Kolkata, Vol- 1, pp. 221, March 02-04, 2020. (ISBN : 978-93-5396-500-6)
29. Jitendra Awasthi, Goutam Ghosh and Pradeep Kumar Mehta, “Seismic Performance of a Curved Bridge with Soil Amplification Effect” Second ASCE India Conference on “Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies” (CRSIDE2020), Kolkata, Vol- 1, pp. 355, March 02-04, 2020. (ISBN : 978-93-5396-500-6)

30. Deep Tripathi, Rakesh Kumar, P. K. Mehta and Amrendra Singh, "Silica Fume Mixed Concrete in Acidic Environment" International Conference on Advanced Light-weight Materials and Structures (ICALMS-2K20), CMR Technical Campus, Hyderabad, pp. 68, March 06-07, 2020. (ISBN: 9788192705125)
31. Amrendra Singh, Rakesh Kumar, P. K. Mehta and Deep Tripathi, "Effect of Nitric Acid on Rice Husk Ash Steel Fiber Reinforced Concrete" International Conference on Advanced Light-weight Materials and Structures (ICALMS-2K20), CMR Technical Campus, Hyderabad, pp. 67, March 06-07, 2020. (ISBN: 9788192705125)
32. Preeti Agarwal, P. Pal and P.K. Mehta, "Skew Effect on Box Girder Bridge", 3rd International Conference on Trends and Recent Advances in Civil Engineering, Amity School of Engineering & Technology, Amity University, Noida (UP), August 20-21, 2020.
33. Amrendra Singh, Rakesh Kumar, P. K. Mehta, Deep Tripathi "Properties of Binary Admixture Mixed SCC Exposed to Sulphate Environment" Virtual International Conference on Sustainable Building Material and Construction (ICSBMC-2021), SVNIT Surat, pp.203, February 4-6, 2021.
34. Deep Tripathi, Rakesh Kumar, P. K. Mehta, Amrendra Singh "Use of Mineral Admixtures and M-sand for Sustainable Concrete" Virtual International Conference on Sustainable Building Materials and Construction (ICSBMC-2021), NIT Surat, pp. 202, February 04-06, 2021. Paper ID- (ICSBMC-174).
35. Anjali Singh, P. K. Mehta, Rakesh Kumar "Properties of Binary Admixture and Recycled Coarse Aggregate Mixed Self Compacting Concrete" Virtual International Conference on Sustainable Building Material and Construction (ICSBMC-2021), SVNIT Surat, pp.194, February 4-6, 2021.
36. Amrendra Singh, Rakesh Kumar, P. K. Mehta, Deep Tripathi "Performance of Dual Admixture Mixed Self Compacting Concrete Exposed to Sulphate Environment" International Conference on "Novel Engineering Materials for Biomedical, Energy, Environment, Sensing and other Applications" (ICON-BEES'21), NIT Tiruchirappalli, pp. 135, March 11-13, 2021.
37. Deep Tripathi, Rakesh Kumar, P. K. Mehta, Amrendra Singh "Evaluation of A Sustainable Self Compacting Concrete Using Destructive and Non-Destructive Testing" International Conference on Novel Materials for Biomedical, Energy, Environment, Sensing and Other Applications (ICON-BEES-2021), NIT Tiruchirappalli, pp. 82, March 11-13, 2021.
38. Anjali Singh, P. K. Mehta, Rakesh Kumar "Performance of binary admixture (Fly Ash and Silica Fume) on Self Compacting Concrete" International Conference on "Novel Engineering Materials for Biomedical, Energy, Environment, Sensing and other Applications" (ICON-BEES'21), NIT Tiruchirappalli, pp. 95, March 11-13, 2021.
39. Anjali Singh, P. K. Mehta, Rakesh Kumar "Performance of Binary Admixture (Fly Ash and Silica Fume) Mixed Recycled Coarse Aggregate Self Compacting Concrete" International Virtual Conference on Innovative Trends in Hydrological and Environmental Systems' (ITHES-2021), NIT Warangal, pp. 325-326, April 28-30, 2021.
40. Anjali Singh, P.K. Mehta, Rakesh Kumar "The effect of Fly Ash and Recycled Coarse Aggregate on the mechanical properties of Self Compacting Concrete" International Conference on Recent Developments on Materials, Reliability, Safety and Environmentalissues-2021 held at NIT Jalandhar, June 25-27,2021.
41. Deep Tripathi, Rakesh Kumar, P. K. Mehta "Characterization of Ternary Blended Self Compacting Concrete Exposed to Sulphate Environment" Proceedings of Young Concrete Researchers, Engineers & Technologists Symposium (YCRETS), July 13-14, 2021, University of the Witwatersrand, Johannesburg, South Africa, pp. 48-55. (ISBN: 978-0-9922176-3-1)
42. Deep Tripathi, Rakesh Kumar, P. K. Mehta "Development of An Environmental-friendly Durable Concrete" International Conference on Chemical, Bio & Environmental Engineering (CHEMBIOEN-2021), August 20-22, 2021, Department of Chemical Engineering, NIT Jalandhar, Punjab, India, Paper ID: PS-488, pp. 106.
43. Varshney, D., Mehta, P.K., and Shanker, R., "Effect of Flexibility of Foundation and Depth of Soil Strata on The Seismic Behavior of An Asymmetrical Structure", 2nd International Conference on Futuristic and Sustainable Aspects in Engineering and Technology (FSAET-2021) GLA, Mathura, December 2021. [AIP Conference Proceeding, Vol. 2721, issue 1, 030006 (2023)] (DOI: <http://doi.org/10.1063/5.0153919>), 27.07.2023

44. Amrendra Singh, Rakesh Kumar, P. K. Mehta, "Performance of self compacting concrete using dual admixtures in sulphate environment" International Conference on Technological Interventions for Sustainability (CHEM-CONFLUX²²), MNNIT Allahabad, Prayagraj, pp. 73-74, April 14-16, 2022.
45. Anjali Singh, P. K. Mehta, Rakesh Kumar, "Strength and microstructure analysis of sustainable self compacting concrete with recycled coarse aggregate, Fly ash and Silica Fume" International Conference on Technological Interventions for Sustainability (CHEM-CONFLUX²²), MNNIT Allahabad, Prayagraj, pp. 94, April 14-16, 2022.
46. Anjali Singh, P. K. Mehta, Rakesh Kumar, "Sustainable self compacting concrete with recycled coarse aggregate and fly ash" International Conference on Technological Interventions for Sustainability (CHEM- CONFLUX²²), MNNIT Allahabad, Prayagraj, pp. 409, April 14-16, 2022.
47. Amrendra Singh, Rakesh Kumar, P. K. Mehta, Deep Tripathi "Performance of Self Compactin Concrete using Dual Fly Ash and Rice Husk Ash in Sulphate Environment", International Conference on Recent Developments in Civil Engineering (RDC-2022), Department of Civil Engineering, MNNIT Allahabad, Prayagraj, October 20-21, 2022.
48. Preeti Agarwal, Priyaranjan Pal and Pradeep Kuma Mehta, "Effect of Curve Angle on Single Cell Box-Girder Bridge", 12th Structural Engineering Convention, SEC 2022, Malaviya National Institute of Technology (MNIT) Jaipur, p. 507-515, Dec. 19-22, 2022 (doi:10.38208/acp.v1.541).

National conference/seminar/symposium:

1. Rakesh Kumar, Naga Raju, S. and P.K. Mehta, " Mechanical Properties of Synthetic Fibre Reinforced Concrete", Proc., National Conference on Recent Trends in Highway and Bridges, pp. 125-129, TIET, Patiala, February 18-19, 2005.
2. S.K. Shukla, P.K. Mehta and J. Bora, " Hydraulic Conductivity of Silty Soil Permeated with Diesel", Proc., National Conference on Geotechnics in Environmental Protection, pp. IV-22-24, Allahabad, April 9-10, 2005.
3. Duggal, S.K. and Mehta, P.K.," Retrofitting and Strengthening of Damaged Structures", Proc., National Conference on Geotechnics in Environmental Protection, pp. X-17-22, Allahabad, April 9-10, 2005.
4. Renu P. Singh, S.K.Duggal and P.K. Mehta, "Study of Synthetic Fibre Reinforced Concrete", Proc., Seminar on Sustainable Technology in Civil and Mechanical Engg., pp.78-82, College of Engg. and Technology, Hyderabad, July 28-30, 2005.
5. Renu P. Singh, S.K.Duggal and P.K. Mehta, " Strength and Durability of synthetic Fibre Reinforced Concrete", Proc., 2nd National Conference on Advances in Material and Mechanics of Concrete Structures, pp. 245-249, IIT Madras, Chennai, Aug. 12-13, 2005.
6. P.K. Mehta, S. K. Duggal and Y. Vijaya Kumar, "Effect of Tower Stiffness on Radiating Type Cable Stayed Bridges", Proc., National Conference on Advances in Bridge Engineering (ABE), IIT Roorkee, Roorkee, March 24-25, 2006.
7. Rakesh Kumar, P.K. Mehta and Naga Raju, S.," Some Mechanical Properties of Glass Fibre Reinforced Concrete", National Conference on High-Rise Buildings; Materials and Practices, Le Meridian Hotel, New Delhi, October 30-31, 2006.
8. Vikas Srivastava, Rakesh Kumar, S.K. Duggal and P.K. Mehta, "Synthetic Fibre Reinforced Concrete Beam - A Boon for Construction Industry", Second National Conference on Innovations in Indian Science, Engineering and Technology, Organised by Swadeshi Science Movement of India (Delhi), National Physical Laboratory, New Delhi, July 17-19, 2009.
9. Vikas Srivastava, P.K. Mehta, Dharmendra and S. Nath, "Application of Rice Husk in Construction Industry", Civil Engineering Conference - INNOVATION WITHOUT LIMITS (CEC-2009), NIT, Hamirpur, HP, India, Sept 18-19, 2009.
10. Vikas Srivastava, P.K. Mehta, R. Kumar and Dharmendra, "Influence of Natural Fibres on Concrete and Cement Matrix", Civil Engineering Conference- INNOVATION WITHOUT LIMITS (CEC-2009), NIT, Hamirpur, HP, India, Sept 18-19, 2009.

11. Vikas Srivastava, P.K. Mehta and S. Nath, "Fly Ash Bricks: An Alternative to Prevent Environmental Hazards", XXII National Conference of Indian Institute of Geomorphologists on Man-Environment Relations, Dept of Geography, University of Allahabad, Allahabad, India, pp. 242, Oct 29-31, 2009.
12. Vikas Srivastava, P. K. Mehta, N N Harry and Y K Bind "Application of Fly Ash in Concrete." Proc., National Conference 'Technologia' MPC CET, Bhilai, India, Feb 24-25, 2010.
13. Vikas Srivastava, P.K. Mehta, Rakesh Kumar and Satyendra Nath, "Role of Construction Industry in Waste Generation and Utilization" National Seminar on Health and Environment: Issues and Challenges, SHIATS, Allahabad, May 06- 07, 2010.
14. Vikas Srivastava , Rakesh Kumar, Satyendra Nath and P.K. Mehta, "Impact of Power Plant Wastes on Man and Environment" National Seminar on Health and Environment: Issues and Challenges, SHIATS, Allahabad, May 06- 07, 2010.
15. Vikas Srivastava, S. K. Duggal, Rakesh Kumar and P.K. Mehta, "Use of Fly Ash and Rice Husk Ash in Concrete – A Comparison" All India Seminar on Advances in Materials & Techniques in Construction, IIT, Kanpur, Oct 01-02, 2010.
16. Vikas Srivastava, S. K. Duggal, Rakesh Kumar and P.K. Mehta, "Apsishton Ka Nirman mein Prayog", National Science Congress in Indian Languages, New Delhi, Nov 22-23, 2010.
17. Vikas Srivastava, Rakesh Kumar and P.K. Mehta, "Compressive Strength of Synthetic Fibre Reinforced Concrete", National Conference on Innovative Challenges in Civil Engg., PTU, Bathinda, pp. 184-187, March 15-16, 2012.
18. Vikas Srivastava, Atul and P.K. Mehta, "Flyash in Road Construction", National Conference on Innovative Challenges in Civil Engg., PTU, Bathinda, pp. 202-205, March 15-16, 2012.
19. Vikas Srivastava, V.C. Agrawal, Atul, Rakesh Kumar and P.K. Mehta, "Silica Fume – An Alternative for High Quality Concrete", Third National Conference on Innovations in Indian Science, Engineering and Technology, Organised by Swadeshi Science Movement of India (Delhi), National Physical Laboratory, New Delhi, pp. 158, Feb 23-25, 2013.
20. Vikas Srivastava, P.K. Mehta, Alvin Harison, Mohd Monish and Rakesh Kumar, "Demolition Waste as Aggregate in Concrete", National Conference on Recent Advances in Civil Engineering, Department of Civil Engineering, NERIST, Nirjuli, Arunachal Pradesh, pp. 46, November 15-16, 2013.
21. Vikas Srivastava, Neha, P.K. Mehta, Alvin Harison and V.C. Agrawal, "Demolition Waste in Cement Matrix", National Conference on Recent Advances in Civil Engineering, Department of Civil Engineering, NERIST, Nirjuli, Arunachal Pradesh, pp. 47, November 15-16, 2013.
22. Vikas Srivastava, Alvin Harison, P.K. Mehta, Atul and Rakesh Kumar, "Effect of Silica Fume in Concrete", National Conference on Recent Advances in Civil Engineering, Department of Civil Engineering, NERIST, Nirjuli, Arunachal Pradesh, pp. 47-48, November 15-16, 2013.
23. Deep Tripathi, Rakesh Kumar, P.K. Mehta and Amrendra Singh, "A Comparative Study of Normal and Self Compacting Concrete", Springer National Conference on Advances in Structural Technologies (CoAST-2019), Department of Civil Engineering, NIT, Silchar, Assam, pp. 15 (Abstract)/pp. 303-308 (Full length), Feb 1-3, 2019.
24. Amrendra Singh, Rakesh Kumar, P.K. Mehta and Deep Tripathi, "Effect of Acidic Environment on Durability of RHA Concrete", Springer National Conference on Advances in Structural Technologies (CoAST-2019), Department of Civil Engineering, NIT, Silchar, Assam, pp. 16 (Abstract)/pp. 309-312 (Full length), Feb 1-3, 2019.
25. Anjali Singh, Rakesh Kumar, P.K. Mehta and Raghvendra Agrahari, "Effect of Nitric Acid on Metakaolin Concrete", Springer National Conference on Advances in Structural Technologies (CoAST-2019), Department of Civil Engineering, NIT, Silchar, Assam, Paper ID-120, pp. 37 (Abstract)/pp. 606-615(Full length), Feb 1-3, 2019.
26. Deep Tripathi, Rakesh Kumar, P.K. Mehta and Amrendra Singh, "A Sustainable Concrete with Manufactured Sand in Different Aggressive Environment", National Conference on Recent Advances in Structural Engineering (NCRASE-2020), NIT Jamshedpur, Jharkhand, Aug 21-22, 2020.
27. Amrendra Singh, Rakesh Kumar, P. K. Mehta, Deep Tripathi, "Mechanical Performance of Self Compacting Concrete with Pozzolanic Material" National Conference on Recent Advances in Structural Engineering (NCRASE-2020), NIT Jamshedpur, Aug 21-22, 2020., paper ID:A-9

Book Chapters/ Lecture Notes:

1. Tripathi D., Kumar R., Mehta P.K., Singh A. (2021) A Comparative Study of Normal and Self-compacting Concrete, In: Adhikari S., Dutta A., Choudhury S. (eds) Advances in Structural Technologies. Lecture Notes in Civil Engineering, Vol 81. Chap-11, pp. 133-143, Springer, Singapore. https://doi.org/10.1007/978-981-15-5235-9_11 (Online- 26 September 2020, ISBN: 978-981-15-5235-9), (Print-ISBN: 978-981-15-5234-2), September, 2020 (*Scopus*)
2. Agarwal P., Pal P., Mehta P.K. (2021) Analysis of Isotropic and Orthotropic Sandwich Bridge Decks, In: Pathak K.K., Bandara J.M.S.J., Agrawal R. (eds), Recent Trends in Civil Engineering, Lecture Notes in Civil Engineering, vol 77. Springer, Singapore. https://doi.org/10.1007/978-981-15-5195-6_8 (Online- 28 September 2020, ISBN: 978-981-15-5195-6), (Print-ISBN: 978-981-15-5194-9) (*Scopus*)??
3. Tripathi D., Kumar R., Mehta P.K., Singh A. (2021) A Sustainable Concrete with Manufactured Sand in Different Aggressive Environments. In: Chandrasekaran S., Kumar S., Madhuri S. (eds) Recent Advances in Structural Engineering. Lecture Notes in Civil Engineering, Vol 135, Chapt. 1, pp. 1-10. Springer, Singapore. https://doi.org/10.1007/978-981-33-6389-2_1. (Online- 01 April 2021, ISBN 978-981-33-6389-2), (Print- ISBN 978-981-33-6388-5), April, 2021 (*Scopus*)
4. Singh A., Kumar R., Mehta P.K., Tripathi D. (2021) Mechanical Performance of Self-compacting Concrete with Pozzolanic Material. In: Chandrasekaran S., Kumar S., Madhuri S. (eds) Recent Advances in Structural Engineering. Springer Nature Lecture Notes in Civil Engineering, pp. 11-20, chapt. 11, vol 135. Springer, Singapore. https://doi.org/10.1007/978-981-33-6389-2_2. (Online- 01 April 2021, ISBN 978-981-33-6389-5), (Print- ISBN 978-981-33-6388-5) (*Scopus*)
5. Agarwal P., Pal P., Mehta P.K. (2021) Skew Effect on Box Girder Bridge. In: Kumar Shukla S., Raman S.N., Bhattacharjee B., Bhattacharjee J. (eds) Advances in Geotechnics and Structural Engineering, Lecture Notes in Civil Engineering, pp. 43-53, vol 143. Springer, Singapore. https://doi.org/10.1007/978-981-33-6969-6_5. (Online- 30 April 2021, ISBN 978-981-33-6969-6), (Print- ISBN 978-981-33-6968-9) (*Scopus*)
6. Deep Tripathi, Rakesh Kumar, P. K. Mehta, Amrendra Singh, “Use of Mineral Admixtures and M-sand for Sustainable Concrete” Springer Nature -Lecture Notes in Civil Engineering (LNCE), Sustainable Building Materials and Construction, Vol- 222, Chap-7, pp. 59-64, May 2022, (ISBN : 978-981-16-8495-1), (DOI:10.1007/978-981-16-84968_7) (*Scopus*)
7. Amrendra Singh, Rakesh Kumar, P. K. Mehta, Deep Tripathi, “Properties of Binary Admixture Mixed SCC Exposed to Sulphate Environment” Springer Nature -Lecture Notes in Civil Engineering (LNCE), Sustainable Building Materials and Construction, Vol- 222, Chap-7, pp. 129-136 May 2022, (ISBN: 978-981-16-8495-1) (DOI:10.1007/978981-16-8496-8_16) (*Scopus*)
8. Anjali Singh, P. K. Mehta, Rakesh Kumar (2021) “Properties of Binary Admixture and Recycled Coarse Aggregate Mixed Self Compacting Concrete”, Springer Nature Lecture Notes in Civil Engineering, “Sustainable Building Materials and Construction, Select Proceedings of ICSBMC 2021, Vol 222, pp. 49-57, Jun 2022 (DOI:10.1007/978-981-16-8496-8_6) (ISBN 978-981-16-8495-1; ISBN 978-981-16-8496-8 (eBook)) (*Scopus*)