

## **Publications in Journals, Conferences & Books**

### **Refereed Journals Publications**

1. Chauhan, S S & Venkatesh, K (2025), " Investigation of mechanical properties of stabilized silt-millet husk ash mixtures Accepted for publication in Indian Geotechnical Journal *published by Springer* (ESCI & Scopus Indexed)
2. Naresh B., Venkatesh K., Mishra L.K. (2025) "Completeness Analysis of earthquake catalogue and Seismic parameter of selected region of Prayagraj" Accepted for publication in Earthquakes and Structures, *An International Journal published by Techno Press* (SCI & Scopus Indexed)
3. Jaiswal, A., Kumar, R., Venkatesh, K. & Kumar, N. (2024) "Influence of Dual Layer Confinement of Stone Column Material on the Shear Modulus of the Soil-Column Combined System" Journal of Natl. Acad. Sci. Lett, <https://doi.org/10.1007/s40009-024-01569-z> (SCI & Scopus Indexed)
4. Chaudhary, N & Venkatesh, K (2024) "Slope Stability Analysis of Earthen Dam under Seismic Loading" Journal of Natl. Acad. Sci. Lett, <https://doi.org/10.1007/s40009-024-01426-z> (SCI & Scopus Indexed)
5. Venkatesh, K., Kumar, P & Kumar, D. (2024) "Evaluation of Liquefaction Potential Using Conventional and Soft Computing Method" Geological and Civil Engineering Proc, pp. 3–13, 2024. [https://doi.org/10.1007/978-3-031-68624-5\\_1](https://doi.org/10.1007/978-3-031-68624-5_1) (Scopus Indexed)
6. Shivhare, A. & Venkatesh, K (2023) "Seepage Analysis and Modeling of Earthen Dam", Journal of Natl. Acad. Sci. Lett, <https://doi.org/10.1007/s40009-023-01349-1> (SCI & Scopus Indexed)
7. Mall, N & Venkatesh, K (2023), "Soil Stabilization using Bio Enzyme", Journal of Natl. Acad. Sci. Lett, <https://doi.org/10.1007/s40009-023-01338-4> (SCI & Scopus Indexed)
8. Chauhan, S S & Venkatesh, K (2023), "Stabilizing Clayey Soil in Subgrade with Waste Ash", Journal of Natl. Acad. Sci. Lett, <https://doi.org/10.1007/s40009-023-01298-9> (SCI & Scopus Indexed)
9. Pandey, N K, Venkatesh, K. & Pandey H.K. (2023), "Numerical Modeling and Analysis of Rock Slope in Markundi Hills, Sonbhadra", Indian Geotechnical Journal <https://doi.org/10.1007/s40098-023-00730-7> (ESCI & Scopus Indexed).
10. Chauhan, S S & Venkatesh, K (2023), "Stabilizing expansive clayey soil in subgrade with industrial waste ash : A review", (Accepted for Publication in Indian Journal of Environmental Protection (Scopus Indexed).
11. Mishra, A., Venkatesh, K. & Karumanchi, S.R. (2023), "3D Numerical Analysis of Single Pile and Pile–Raft Subjected to Vertical Loading", Indian Geotechnical Journal, <https://doi.org/10.1007/s40098-022-00707-y> (ESCI & Scopus Indexed)
12. Venkatesh, K. & Bind, Y.K. (2022) "ANN and Neuro-Fuzzy Modeling for Shear Strength Characterization of Soils", Journal of Proc. Natl. Acad. Sci., Sect. A Phys. Sci. Springer, <https://doi.org/10.1007/s40010-020-00709-6>, vol 92(2), pages 243-249 (SCI & Scopus Indexed).
13. Kumar, S., Pandey, H.K., & Venkatesh, K. (2022), "Stability analysis of rock cut slope near major fault using numerical simulation", Arabian Journal of Geosciences 15:1255, <https://doi.org/10.1007/s12517-022-10487-7> (SCI & Scopus indexed)
14. Naresh B., Venkatesh K. & Mishra L.K. (2022), " Estimation of High frequency Decay Factor to Simulate Earthquake Ground Motion for Indo-Gangetic Plain" Journal of The Institution of Engineers (India): Series A volume 103, pages39–46, <https://doi.org/10.1007/s40030-021-00601-5> (Scopus Indexed & SCI mago Indexed)
15. Khan, I A, Venkatesh, K., & Srivastava, R.K. (2021), Elasto-Plastic Finite Element Analysis of Twin Tunnels – A Comparison of Excavation in Intact and Jointed Rock Mass, Journal Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2021.05.122> (Scopus Index)
16. Naresh B., Venkatesh K., Mishra L.K. (2021) The Seismotectonic Setting of Indo-Gangetic Plain and Its Importance. Seismic Hazards and Risk, vol 116. Springer, Singapore. [https://doi.org/10.1007/978-981-15-9976-7\\_18](https://doi.org/10.1007/978-981-15-9976-7_18) (Scopus Indexed)
17. Quaff, A.R. Venkatesh, S. and Venkatesh, K. (2020) "Degradation of Azo Dye by Ozone Oxidation: Cost Analysis and Buffering Effects on Dye Decomposition", Journal of Proc. Natl. Acad. Sci. Lett, DOI 10.1007/s40009-020-01008-9. (SCI Indexed)
18. Naresh, B. Venkatesh, K. & Mishra, L.K. (2019) "Q factor of Punjab Basin" International Journal of Scientific Research and Review, 7:9, 111-118.
19. Kumar, S., Pandey, H. K. Singh, P. K & Venkatesh K. (2019) "Demarcation of Probable Failure Zones Based on SMR and Kinematic Analysis", Journal of Geomatics, Natural Hazards and Risk, 10:1, 1793-1804, DOI: 10.1080/19475705.2019.1618399 (SCI)
20. Venkatesh, S. and Venkatesh, K. (2019) " Ozonation for Degradation of Acid Red 14: Effect of Buffer Solution" Journal of Proc. Natl. Acad. Sci., Sect. A Phys. Sci, Online First, pp 1-4. <https://doi.org/10.1007/s40010-018-0583-6>. 90(2):209–212.
21. Khan, I A, Venkatesh, K., Srivastava, R.K. & Sahu, A.K. (2018), "Elasto-plastic finite element analysis of deformations in deep interacting tunnels – A comparative study" Water and Energy International Journal, Vol.60 (12), pp 78. (Scopus Indexed)
22. Venkatesh, S. Quaff, A.R. and Venkatesh, K. (2017)"Dye Decomposition By Combined Ozonation and Anaerobic Treatment: Cost Effective Technology" Journal of Applied and Research Technology, Vol 15, pp 340-345. ISSN: 1665-6423 <http://dx.doi.org/10.1016/j.jart.2017.02.006>. (Scopus Indexed)
23. Dasgupta R., Venkatesh K., and Tiwari R.P. (2016) "Electrokinetic Removal of Copper Contaminated Soil by Nano Iron Particle", International Journal of Innovative Studies in Sciences & Engineering Technology, Vol.2, Issue 6, (ISSN 2455-4863). pp 18-23.
24. Gupta, Y.K. and Venkatesh, K. (2015) "Seismic Behaviour of Framed Structure including Foundation System" Discovery Journal, 42(195), pp- 272-281, ISSN 2278-5469 EISSN 2278-5450.
25. Khan, A.I., Venkatesh, K. and Srivastava, R.K. (2015)"Analysis of Different Tunnels in various types of Rocks by FEM", Discovery Journal, 40(181), pp- 69-75, ISSN 2278-5469 EISSN 2278-5450.
26. Bhimsen, Jain, M, and Venkatesh, K. (2015) "Parametric Assessment of Soil Nailing- A review" Discovery Journal, 42(191), pp-1-5, ISSN 2278-5469 EISSN 2278-5450.

27. Venkatesh, S. Quaff, A.R. Pandey, N.D. and Venkatesh, K. (2015) "Impact of Ozonation on Decolorizaion and Mineralization of Azo Dyes: Biodegradability Enhancement, By-Products Formation, Required Energy and Cost" International Journal of Ozone : Science & Engineering, ISSN: 0191-9512 print / 1547-6545, DOI: 10.1080/01919512.2015.1027810. Vol 37 issue 5, pp420-430. (SCI & Scopus)
28. Kumar, V. Venkatesh, K. and Tiwari, R.P (2014). "A Neurofuzzy Technique to Predict Seismic Liquefaction Potential of Soils" International Journal of neural network world, Vol 03/24, 249-266, DOI: 10.14311/NNW.2014.24.015,ISSN1210-0552 (Print) ISSN 2336-4335 (SCI)
29. Venkatesh, S. Quaff, A.R. Pandey, N.D. and Venkatesh, K. (2014) Decolorization and mineralization of C.I. direct red 28 azo dye by ozonation" International Journal of Desalination and Water Treatment, <https://doi.org/10.1080/19443994.2014.992047>, Vol57(9), pp 4135-4145. (SCI & Scopus)
30. Venkatesh, K. Kumar, V. and Tiwari, R.P. (2013) "Appraisal of Liquefaction Potential using Neural Network and Neuro Fuzzy" Applied Artificial Intelligence: An International Journal, 27:8, 700-720, DOI: 10.1080/08839514.2013.823326, Taylor & Francis (SCI & Scopus)
31. Kumar, V. Venkatesh, K. Kumar, Y. Tiwari, R.P. (2012), "Application of ANN to Predict Liquefaction Potential" International Journal Of Computational Engineering Research, Vol. 2, No.2, pp. 379-389 (ISSN: 2250–3005).
32. Kumar, V. Venkatesh, K. Kumar, Y. (2012), "Liquefaction Potential Evaluation of Alluvial Soil by Neuro-Fuzzy Technique" International Journal of Emerging Technology & Advanced Engineering, Vol. 2, No. 3, pp.174-184 (ISSN: 2250-2459).
33. Kumar, V. Venkatesh, K. Kumar, Y. (2012), "Approaches of Estimating Liquefaction Potential of Soils" International Journal of Structural and Civil Engineering, Vol.1, No.2, pp. 35-53 (ISSN: 2277-7032).
34. Venkatesh, K., (2011), "Prediction of SPT N-Value using Artificial Neural Network Technique", International Journal on Recent Trends in Engineering and Technology, Vol. 5, No.3, pp. 39-41.
35. Venkatesh, K. (2010), "Free Vibration Analysis of Structure-Raft-Soil System on Homogeneous Media", International Journal of Recent Trends in Engineering, Vol. 3, No.6, pp. 24-26.
36. Venkatesh, K., Gupta, Y. K., Athaley, A. (2009), "Free and Forced Vibration Interactive Analysis of a Framed Structure under Varying Soil Medium" The Icfai University Journal of Structural Engineering , Vol. II, No.3, pp. 48-64.
37. Venkatesh, K., Samadhiya, N. K. and Pandey, A. D. (2009), "Response of Raft Foundation on Varying Stratum", International Journal of Recent Trends in Engineering (Civil Engineering), Vol. 1, No.6, pp.16-19.
38. Pandey, A.D., Sharma, N., Venkatesh, K. and Kulkarni, M.D. (2005), " Comparative Study on Analysis of Barrage Raft by Hetenyi's method and FEM" Water and Energy International Journal, Vol. 62 No. 1, pp. 40-47. ISSN: 0972057X (Scopus Indexed)
39. Venkatesh, K., Samadhiya, N. K. and Pandey, A. D. (2005), "Analysis of Barrage Raft Floor on Varying Foundation Media" International Dam Engineering Journal, Vol. 16, No.2, pp. 153-167. (Scopus Indexed)
40. Sharma, N., Pandey, A.D. and Venkatesh, K. (2004), "ANN Model Development for Bank-line Migration of River Brahmaputra Using Remote Sensing Data." ISH Journal of Hydraulic Engineering, Vol. 10, No. 1, pp. 56-64. ISSN 09715010 DOI 10.1080/09715010.2004.10514744 (Scopus Indexed)
41. Sharma, N., Pandey, A.D. and Venkatesh, K. (2002), "Modelling of Brahmaputra River Cross-Sections Using ANN Technique." Water and Energy International Journal, Vol. 59 No. 3, pp. 20-29. ISSN: 0972057X (Scopus Indexed)

#### **National/ International Conferences Publications**

1. Kumar, P Venkatesh, K, & Agarwal V(2025), "Liquefaction Potential of Pond Ash under Simulated Seismic loading by Shake Table Test' Innovations in Infrastructural Materials & Sustainability (IIMS-2025) during 18<sup>th</sup> -19<sup>th</sup> April 2025 at MMMUT, Gorakhpur, Uttar Pradesh.
2. Pandey, G & Venkatesh, K (2025), "Liquefaction Behaviour& Its Mitigation using Shake Table" Innovations in Infrastructural Materials & Sustainability (IIMS-2025) during 18<sup>th</sup> -19<sup>th</sup> April 2025 at MMMUT, Gorakhpur , Uttar Pradesh.
3. Tiwari, S& Venkatesh, K (2025), "Effect of Structure-Soil-Foundation interaction on building" Innovations in Infrastructural Materials & Sustainability (IIMS-2025) during 18<sup>th</sup> -19<sup>th</sup> April 2025 at MMMUT, Gorakhpur , Uttar Pradesh
4. Dass, A. & Venkatesh, K. (2025), " Sequential construction behaviour of multi-tunnel considering interactive approach" 10th Indian Young Geotechnical Engineers Conference (10th IYGEC 2025) Conference held on 11 th and 12 th March 2025, IIT Indore, India.
5. Chauhan, S S & Venkatesh, K (2024), "Enhancement In Properties of Soil Using Fly ash and Terrasil", Indian Geotechnical Conference (IGC- 2024) during 19<sup>th</sup>-21<sup>st</sup> December 2024 at MIT, Chhatrapati Sambhaji Nagar, Maharastra.
6. Kamal, U.D. and Venkatesh, K. (2024), "Modal Analysis of Barrage considering Soil-Structure Interaction", Indian Geotechnical Conference (IGC- 2024) during 19<sup>th</sup>-21<sup>st</sup> December 2024 at MIT, Chhatrapati Sambhaji Nagar, Maharastra.
7. Kamal, U.D. and Venkatesh, K. (2024), "Finite Element Analysis of a Beam resting on a layered Soil", 2<sup>nd</sup> International Conference on Thermo-Fluids and System Design (ICTFSD-2024), BIT Mesra, Ranchi, India, April 4-5, 2024.
8. Raniwal, A., Venkatesh, K. (2024), Sustainable Geotechnical Solutions: Black Cotton Soil Stabilization through Plastic Fiber Incorporation, International conference on Sustainable Research in Energy and Environment, (SREE -2024), 5<sup>th</sup> – 6<sup>th</sup> April 2024(Online) organized by 'Dr B R Ambedkar NIT Jalandhar.
9. Venkatesh, K, Kumar P, Kumar D, (2024), "Evaluation of Liquefaction Potential Using Conventional and Soft Computing Method", 11th International Conference on Geological and Civil Engineering, Matsue, Japan, March 15-17, 2024.
10. Raniwal, A., Venkatesh, K. (2024), "Soil stabilization with an environment friendly biopolymer: A Review", 6<sup>th</sup> International Conference on Bio-Technological conference for Health, Agriculture and Circular Economy (Bio-Sangam 2024), MNNIT Allahabad, Prayagraj, India, February 23-25, 2024.
11. Chauhan, S S Venkatesh, K & Kumar, P (2024), "Use of crumb tyre rubber waste affecting environment in alluvial soil", 6<sup>th</sup> International Conference on Bio-Technological conference for Health, Agriculture and Circular Economy (Bio-Sangam 2024), MNNIT Allahabad, Prayagraj, India, February 23-25, 2024.

12. Chauhan, S.S., Venkatesh, K. and Kamal, U.D. (2024), "Preventing hazardous impact of stone dust incorporating environment friendly solution" 6<sup>th</sup> International Conference on Bio-Technological conference for Health, Agriculture and Circular Economy (Bio-Sangam 2024), MNNIT Allahabad, Prayagraj, India, February 23-25, 2024.
13. Chauhan, S S & Venkatesh, K (2023), "Enhancement In Properties Of Alluvial Soil Using Terrasil", Indian Geotechnical Conference (IGC- 2023) during 14<sup>th</sup>-16<sup>th</sup> December 2023 at Indian Institute of Technology Roorkee.
14. Dass, A. & Venkatesh, K. (2023), "Use of Microbiologically Induced Calcium Carbonate Precipitation (MICP) as a Soil Stabilizer" International Conference on Technologies and Innovations for Sustainable Development (TISD-2023) held at MNNIT Allahabad from October 27-29, 2023.
15. Shivhare, A. & Venkatesh, K. (2022) "Modeling and Analysis of Earthen Dam Seepage Using GeoStudio(Seep/w): A state-of-the-art review", Proceedings of National Conference on Advancement in Geotechnical Engineering and Infrastructural Developments (AGE-ID-2022), November 19-20, 2022, Indian Geotechnical Society, Jabalpur.
16. Kumar, S. & Venkatesh, K. (2022) "Stabilization of expansive soils using waste materials: A review Paper", Proceedings of National Conference on Advancement in Geotechnical Engineering and Infrastructural Developments (AGE-ID-2022), November 19-20, 2022, Indian Geotechnical Society, Jabalpur.
17. Kumar, A. & Venkatesh, K. (2022) "Slope Stability Analysis of Landslide Area Due to Rainfall Infiltration: A Review Paper", Proceedings of National Conference on Advancement in Geotechnical Engineering and Infrastructural Developments (AGE-ID-2022), November 19-20, 2022, Indian Geotechnical Society, Jabalpur.
18. Mall, N. & Venkatesh, K. (2022) "Soil Stabilization using Bio Enzyme - A review", Proceedings of National Conference on Advancement in Geotechnical Engineering and Infrastructural Developments (AGE-ID-2022), November 19-20, 2022, Indian Geotechnical Society, Jabalpur.
19. Chauhan, S S & Venkatesh, K (2022) "Stabilizing expansive clayey soil in subgrade with industrial waste ash : A review" Proceedings of International Conference on Recent developments in civil engineering (RDC -2022), October 20-21, 2022, MNNIT Allahabad, Prayagraj, U.P., India.
20. Naresh, B. Venkatesh, K. & Mishra, L.K. (2020) "Comparative study of high frequency decay parameters of various Earthquakes in the Delhi Region", Second ASCE India Conference on "Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies" (CRSIDE2020), 2-4 March, 2020, Kolkata, India.
21. Pandey, A.K. Venkatesh, K. & Gupta, Y.K. (2020) "Rational Approach of SSI effects on High Rise Buildings: A Review", Second ASCE India Conference on "Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies" (CRSIDE2020), 2-4 March, 2020, Kolkata, India.
22. Mani, A. & Venkatesh, K. (2019) "Stability Assessment of Road Embankment Slope by Finite Element Method" International Conference on Geotechnics for High Speed Corridors, 25<sup>th</sup> and 26<sup>th</sup> July 2019, Thiruvananthapuram, India, pp-235-239.
23. Gautam, A. Venkatesh, K. & Kumar, S. (2019), "Consolidation of Sequential Construction of Embankment Using Non-Homogeneous Soil Stratum" International Conference on Geotechnics for High Speed Corridors, 25<sup>th</sup> and 26<sup>th</sup> July 2019, Thiruvananthapuram, India, pp-508-511.
24. Naresh, B. Venkatesh, K. & Mishra, L.K. (2019) "Q Factor of Punjab Basin" 8<sup>th</sup> International Conference on Multidisciplinary Research, 6-7 Sept 2019, Osmania Univ, Hyderabad, ISBN 978-81-941721-5-4 ([www.conferenceworld.in](http://www.conferenceworld.in)).
25. Gautam U.K., Venkatesh K., & Kumar V. (2019) "Analysis of Slope Stability with Surcharge" Indian Conference on Geotechnical and Geo-Environmental Engineering (ICGGE-2019), ISBN 978-93-80634-47-0, Page 14, 1-2 March 2019, MNNIT Allahabad.
26. Kumar S., Pandey H.K., & Venkatesh K. (2019) "Kinematic Analysis of Rock cut slope along SH-5 at Markundi, Chopan, District Sonbhadra (U.P.)" Indian Conference on Geotechnical and Geo-Environmental Engineering (ICGGE-2019), ISBN 978-93-80634-47-0, Page 14, 1-2 March 2019, MNNIT Allahabad.
27. Gautam A., Kumar S., Pandey H.K., & Venkatesh K. (2019) "Utilization of Slake Durability and Point Load Test to Establish the Relationship for UCS of Markundi Sandstone, Markundi, Sonbhadra (U.P.)" Indian Conference on Geotechnical and Geo-Environmental Engineering (ICGGE-2019), ISBN 978-93-80634-47-0, Page 15, 1-2 March 2019, MNNIT Allahabad.
28. Sinha S. & Venkatesh K. (2019) "Rock Slope Stability Analysis Methods – A Review" Indian Conference on Geotechnical and Geo-Environmental Engineering (ICGGE-2019), ISBN 978-93-80634-47-0, Page 16, 1-2 March 2019, MNNIT Allahabad.
29. Kumar L., Yadav H., & Venkatesh K. (2019) "Parametric Study of Contiguous Pile For Deep Excavation" Indian Conference on Geotechnical and Geo-Environmental Engineering (ICGGE-2019), ISBN 978-93-80634-47-0, Page 26, 1-2 March 2019, MNNIT Allahabad.
30. Gautam R.K., & Venkatesh K. (2019) "Statistical Analysis of The Completeness of A Seismic Catalogue" Indian Conference on Geotechnical and Geo-Environmental Engineering (ICGGE-2019), ISBN 978-93-80634-47-0, Page 36, 1-2 March 2019, MNNIT Allahabad.
31. Bind Y.K., Ahamed A. & Venkatesh K. (2019) "Conventional and FEM Approach For Design of Cantilever Sheet Pile Wall "Indian Conference on Geotechnical and Geo-Environmental Engineering (ICGGE-2019), ISBN 978-93-80634-47-0, Page 37, 1-2 March 2019, MNNIT Allahabad.
32. Pandey A.K., Gupta Y.K. & Venkatesh K. (2019) "Analysis of High Rise Structure Considering Soil Structure Interaction: A Review" Indian Conference on Geotechnical and Geo-Environmental Engineering (ICGGE-2019), ISBN 978-93-80634-47-0, Page 45, 1-2 March 2019, MNNIT Allahabad.
33. Gautam U.K., Venkatesh K., and Kumar V. (2018) "Soil Stabilization Using Combined Waste Material. Indian Geotechnical Conference (IGC-2018), Dec 2018, IISc Bangalore.
34. S. Sinha and K. Venkatesh (2017), "Stability Analysis of Rock Slope using Numerical Approach" Fourth Indian Landslide Congress, 8-9, Dec 2017, IIT Bombay, Mumbai.
35. I.A. Khan, K. Venkatesh and R.K. Srivastava and A.K. Sahu (2017), "Elasto-plastic finite element analysis of deformations in deep interacting tunnels – A comparative study", International Conference on underground excavations in difficult ground conditions: issues & challenges 27-28 April 2017, New Delhi.

36. I.A. Khan, K. Venkatesh and R.K. Srivastava (2017), "Elasto-plastic analysis of deformations in twin interacting horse shoe tunnels by different yield criteria", Sixth Indian Young Geotechnical Engineers Conference 6IYGEC2017, 10-11 March 2017, NIT Trichy, India.
37. I.A. Khan, K. Venkatesh and R.K. Srivastava (2017), "Elasto-plastic analysis of stresses in the pillar zone of twin interacting horse shoe tunnels by different yield criteria", CoNMIg-2017, Conference on Numerical Modeling in Geomechanics, March 03 - 04, 2017, Indian Institute of Technology Roorkee India.
38. K. Venkatesh and Siva Ram Karumanchi (2016) "Distribution of pore water pressure in an earthen dam considering unsaturated-saturated seepage analysis", E-UNSAT 2016, 12-14<sup>th</sup> September, 2016, Paris, France.
39. I.A. Khan, K. Venkatesh and R.K. Srivastava (2016), "Elasto-Plastic Analysis Of Stresses In The Pillar Zone Of Twin Interacting Horse Shoe Tunnels", VII Brazilian Symposium on Rock Mechanics – SBMR 2016. ISRM Specialized Conference 19-22 October, Belo Horizonte, Minas Gerais, Brazil.
40. I.A. Khan, K. Venkatesh and R.K. Srivastava (2016), "Elasto-plastic analysis of deformations in twin interacting horse shoe tunnel", ARMS9 – 9<sup>th</sup> Asian Rock Mechanics Symposium. 18-20 October, 2016. Bali, Indonesia.
41. I.A. Khan, K. Venkatesh and R.K. Srivastava (2016), "Elasto-plastic finite element analysis of stresses in the pillar zone of deep interacting tunnels – A comparative study.GEOVANCOUVER 2016, October 2<sup>nd</sup>-5<sup>th</sup> 2016, Vancouver BC.
42. I.A. Khan, K. Venkatesh and R.K. Srivastava (2016), "Elasto-plastic finite element analysis of twin interacting deep horse shoe tunnels", Indian Geotechnical Conference IGC2016, 15-17 December 2016, IIT Madras, Chennai, India.
43. I.A. Khan, K. Venkatesh and R.K. Srivastava (2015) "Fractured and Unfractured Analysis of Rock Tunnel by Finite Element Method," IGC 2015, 17-19<sup>th</sup> Dec 2015, Pune.
44. Y.K. Bind and K. Venkatesh, (2014) "ANN and Neuro-fuzzy based approach for Shear Strength characterization of Soil," International Conference RTCCE-2014, MNNIT Allahabad, 2014, pp. 37.
45. Y K Bind, Hussein Saadi Abbood & Kumar Venkatesh,(2014)" Site Exploration and Design of Radioactive Waste Landfill in Al-tuwaitha, Iraq," National Conference GEN-2014, MNNIT Allahabad, 2014, pp.-56-62
46. Mohit Somani, R. K. Srivastava & Kumar Venkatesh,(2014) "Tariff on Municipal Solid Waste Management- Across the World & India: A Review, National Conference GEN-2014, MNNIT Allahabad, 2014, pp.-189-193
47. K. Venkatesh, (2014)" Application of Cement Kiln Dust to Stabilize Meja Soil" Proceeding of 2<sup>nd</sup> International Conference on Architecture and Civil Engineering (ACE-2014), March 24-25, Singapore.
48. Samadhiya, N.K., Venkatesh K., and Pandey A. D. (2013), 'Behaviour of Barrage Foundation Due to Presence of Rock Including Soil-Structure Interaction', Proc. of Workshop TC: 207 Soil Structure Interaction and Retaining Walls, September 04, 2013 during 18<sup>th</sup> International Conference on Soil Mechanics and Geotechnical Engineering, Paris, France, September 02-06, 2013, pp. 241-246.
49. Dasgupta, R. Venkatesh, K. and Tiwari, R.P.(2012) "Electrokinetic Remediation of Copper Contaminated Soils by Zero Valent Nano Iron Powder" Proceedings of 5<sup>th</sup> International Congress of Environmental Research (ICER-12), UMT Terengganu, Malaysia, 22-24 November, 2012.
50. Venkatesh,S. and Venkatesh, K., "Air Pollution : Management and health hazards in mega cities of India Proceedings of 5<sup>th</sup> International Congress of Environmental Research (ICER-12), UMT Terengganu, Malaysia, 22-24 November, 2012.
51. Yeetendra Kumar, Kumar Venkatesh & Vijay Kumar, "Particle size based assessment of soil using neural network modeling technique", IGC 2012, 13-15<sup>th</sup> Dec 2012, IIT Delhi, Delhi.
52. Yeetendra Kumar, Kumar Venkatesh & Vijay Kumar, "Prediction of Compression Index of Cohesive Soil using Neural Network Approach", International Conference on Advances in Architectural and Civil Engineering, 21-23 June 2012, MSRIT, Bangalore, India.
53. Vijay Kumar, Kumar Venkatesh, Yeetendra Kumar, "Liquefaction Potential Evaluation of Alluvial Soil by ANN Technique", ISET Golden Jubilee Symposium, IIT Roorkee 2012.
54. Yeetendra Kumar, Kumar Venkatesh & Vijay Kumar, "An approach for USCS Identical classification of soil using Artificial Neural Network Technique", An International Conference on Geotechnics for Sustainable Development GEOTEC HANOI 2011, Hanoi, Vietnam, 6-7 October 2011.
55. Venkatesh, K. Kumar, Y. and Kumar, V. (2011) "Neurofuzzy Modeling Approach for Estimating Shear Strength Parameters of Cohesive Soil" Proceedings of the 13<sup>th</sup> International Conference of International Association for Computer Methods and Advances in Geomechanics (IACMAG), Melbourne, Australia, 9-11 May, 2011.
56. Dheer, V. Kesarwani, A.K. Rathore, R. Gond, J.P. and Venkatesh, K. (2011) "Stabilization of Expansive Soil using Cement Kiln Dust" Proceedings of National Conference on RAGIT 2011 at CBRI Roorkee, India, 24-25 February 2011.
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#### **Book/Proceedings Publication**

- Book Chapter accepted for publication under book "Technology, Innovations and Sustainability: A Blueprint for Tomorrow" Title "Use of Microbiologically Induced Calcium Carbonate Precipitation (MICP) As A Soil Stabilizer" by Cambridge Scholars Publishing.
- Book Chapter on The Seismo tectonic Setting of Indo Gangetic Plain and Its Importance published in Seismic Hazard and Risk in 2021 published by Springer (ISBN: 978- 981-15- 9976-7)
- Book Chapter on Soil Stabilization Using Combined Waste Material published in Problematic Soils and Geoenvironmental Concerns in 2021 published by Springer. (Hardcover ISBN 978-981-15-6236-5 Soft cover ISBN 978-981-15-6239-6)
- Published Book on " Ozonation: An Advanced Treatment Technology for Degradation of Dyes" in 2020 Lambert Academic Publisher, Mauritius (ISBN: 978-620-2-78725-3)
- Edited Proceedings of Indian Conference on Geotechnical and Geoenvironmental Engineering (ICGGE-2019), held during March, 01-02, 2019 at MNNIT Allahabad.

- Published Book on “Dye Wastewater Treatment Technology” ISBN No.: 978-3-639-66623-6, Scholar’s Press (International Publisher), 2017
- Edited Proceedings of International Conference on Geo-engineering and Climate Change Technologies for Sustainable Environmental Management (GCCT-2015), held during October, 9-11 2015 at MNNIT Allahabad.
- Edited Proceedings National Conference on “Geo-Environmental Issues And Sustainable Urban Development” (GEN-2014) held during October, 11-12, 2014, at MNNIT Allahabad.