

PUBLICATIONS

BOOK CHAPTER

- a) Book Title: **Proceedings of the Indian Geotechnical Conference 2019** pp. 375-383
Chapter Title: **Review on Suitability of Rice Husk Ash as Soil Stabilizer.**
Chapter No: Lecture Notes in Civil Engineering Book Series (LNCE, volume 136)
Authors: **Ayush Mittal**, Shalinee Shukla, and Sonu Verma
Publishers: Springer, Scientific Publishing Services (P) Ltd. In: Patel S., Solanki C.H., Reddy K.R., Shukla S.K. (eds)
Singapore. DOI. https://doi.org/10.1007/978-981-33-6444-8_34
Print ISBN: 978-981-33-6443-1
Online ISBN: 978-981-33-6444-8
- b) Book Title: **Proceedings of the Indian Geotechnical Conference 2019** pp. 365-374
Chapter Title: **Application of Non-woven Polyester Geotextile for Soil Improvement in Pavements.**
Chapter No: Lecture Notes in Civil Engineering Book Series (LNCE, volume 136)
Authors: Shalinee Shukla, **Ayush Mittal**, R.P. Tiwari and Kshma Gupta
Publishers: Springer, Scientific Publishing Services (P) Ltd. In: Patel S., Solanki C.H., Reddy K.R., Shukla S.K. (eds)
Singapore. DOI. https://doi.org/10.1007/978-981-33-6444-8_33
Print ISBN: 978-981-33-6443-1
Online ISBN: 978-981-33-6444-8
- c) Book Title: **Proceedings of the Indian Geotechnical Conference 2019** pp. 211-218
Chapter Title: **Improvement in Soil Subgrade Using Natural Fibre (Kenaf and Coir Fibre).**
Chapter No: Lecture Notes in Civil Engineering Book Series (LNCE, volume 136)
Authors: Shalinee Shukla, **Ayush Mittal** and Sunit Kumar
Publishers: Springer, Scientific Publishing Services (P) Ltd. In: Patel S., Solanki C.H., Reddy K.R., Shukla S.K. (eds)
Singapore. DOI. https://doi.org/10.1007/978-981-33-6444-8_18
Print ISBN: 978-981-33-6443-1
Online ISBN: 978-981-33-6444-8
- d) Book Title: **Recent Trends in Civil Engineering** pp. 501-511
Chapter Title: **Soil Subgrade Stabilization Using Non-woven Polypropylene Geotextile.**
Chapter No: Lecture Notes in Civil Engineering Book Series (LNCE, volume 77)
Authors: **Ayush Mittal** and Shalinee Shukla
Publishers: Springer, Scientific Publishing Services (P) Ltd. In: Pathak K.K., Bandara J.M.S.J., Agrawal R. (eds)
Singapore. DOI. https://doi.org/10.1007/978-981-15-5195-6_39
Print ISBN: 978-981-15-5194-9
Online ISBN: 978-981-15-5195-6
- e) Book Title: **Geotechnics for Transportation Infrastructure** pp. 295-302
Chapter Title: **Use of Jute Geotextile in Strength Enhancement of Soft Subgrade Soil.**
Chapter No: Lecture Notes in Civil Engineering Book Series (LNCE, volume 29)
Authors: Shalinee Shukla, R.P. Tiwari, Vaishali Rajbhar and **Ayush Mittal**
Publishers: Springer, Scientific Publishing Services (P) Ltd. In: Sundaram R., Shahu J., Havanagi V. (eds) Singapore.
DOI. https://doi.org/10.1007/978-981-13-6713-7_24
Print ISBN: 978-981-13-6712-0
Online ISBN: 978-981-13-6713-7

2018-19

1. **Ayush Mittal**. “Soil Stabilization Using Random Inclusions: A Review”, International Journal of Research and Analytical Reviews (IJRAR), Vol. 5, Issue 4, November 2018, pp. 257-258.
2. **Ayush Mittal**. “A Review on Use of Synthetic Geogrids for Soil Reinforcement”, IOSR Journal of Engineering (IOSR-JEN), Vol. 8, Issue 11, November 2018, pp. 80-83.
3. **Ayush Mittal** and Sukeerti Bansal. “Stabilization of Soil Using Synthetic Geotextiles – A Review”, Journal of Emerging Technologies and Innovative Research (JETIR), Vol. 5, Issue 11, November 2018, pp. 225-227.
4. **Ayush Mittal** and Shalinee Shukla. “Effect of Non-Woven Geotextile and Biaxial Geogrid Reinforcement on the Strength Behaviour of Subgrade Soil”, SSRG International Journal of Civil Engineering (IJCE), Vol. 5, Issue 10, October 2018, pp. 28-32. Doi: 10.14445/23488352/IJCE-V5I10P105.
5. **Ayush Mittal** and Shalinee Shukla. “Effect of Geosynthetic Reinforcement on Strength Behaviour of Weak Subgrade Soil”, International Conference on Recent Advances in Materials and Manufacturing Technologies (ICRAMMT-2018), 19-20 November 2018, MLRITM Hyderabad, India.
6. **Ayush Mittal** and Shalinee Shukla. “Remediation Technologies – A comparative Study”, International Conference on Recent Advances in Materials and Manufacturing Technologies (ICRAMMT-2018), 19-20 November 2018, MLRITM Hyderabad, India.

2019-20

1. **Ayush Mittal** and Shalinee Shukla. “Effect of Random Inclusion of Kenaf Fibres on Strength Behaviour of Poor Subgrade Soils”, Jordan Journal of Civil Engineering, Vol. 14, No. 1, 2020, pp. 43-56.
2. **Ayush Mittal** and Shalinee Shukla. “Effect of Geosynthetic Reinforcement on Strength Behaviour of Weak Subgrade Soil”, Materials Science Forum, Trans Tech Publications, Vol. 969, August 2019, pp. 225-230, doi:10.4028/www.scientific.net/MSF.969.225
3. **Ayush Mittal** and Shalinee Shukla. “Remediation Technologies – A comparative Study”, Materials Science Forum, Trans Tech Publications, Vol. 969, August 2019, pp. 697-702, doi:10.4028/www.scientific.net/MSF.969.697
4. Ayush Mittal and Shalinee Shukla. “Soil Stabilization Using Natural Geotextile: A Review”, Second ASCE India Conference on Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies (CRSIDE2020), 02-04 March 2020, Kolkata, India.
5. Ayush Mittal, Shalinee Shukla, Abhishek Pratap Singh, Sumit Rawat, Vedansh Singh Chandel and Rahul Kumar Pal. “Stabilization of Black Cotton Soil Using Pet Bottles Scrap”, 3rd International Conference on Innovative Technologies for Clean and Sustainable Development (ITCSD2020), 19-21 February 2020, Chandigarh, India.
6. Ayush Mittal, Shalinee Shukla, Shivam Verma, Sandeep Kumar and Vishal. “Stabilization of Weak Subgrade Soil Using Waste Paper Sludge Ash”, 3rd International Conference on Innovative Technologies for Clean and Sustainable Development (ITCSD2020), 19-21 February 2020, Chandigarh, India.
7. Ayush Mittal, Shalinee Shukla and Sonu Verma. “Review on Suitability of Rice Husk Ash as Soil Stabilizer”, Indian Geotechnical Conference (GeoINDUS), 19-21 December 2019, SVNIT Surat, India.
8. Shalinee Shukla, Ayush Mittal, R.P. Tiwari and Kshma Gupta. “Application of Non-Woven Polyester Geotextile for Soil Improvement in Pavements”, Indian Geotechnical Conference (GeoINDUS), 19-21 December 2019, SVNIT Surat, India.
9. Shalinee Shukla, Ayush Mittal and Sunit Kumar. “Improvement in Soil Subgrade Using Natural Fibre (Kenaf and Coir Fibre)”, Indian Geotechnical Conference (GeoINDUS), 19-21 December 2019, SVNIT Surat, India.

10. Abhishek Kumar Singh, Nitin Kumar Shukla and Ayush Mittal. “Eco-Friendly & Reusable Materials used in Construction to Minimized the CO₂ Emission”, International Conference “Rajkiya Engineering College- Conference- 2019” (REC-CON-19), 28-29 November 2019, Ambedkar Nagar, India.
11. Praveen Upadhyay, M.C. Choudhary, Vanita Aggarwal, Ayush Mittal and Abhishek Pratap Singh. “Rice Husk Ash Concrete- A Review”, International Conference “Rajkiya Engineering College- Conference- 2019” (REC-CON-19), 28-29 November 2019, Ambedkar Nagar, India.
12. Prashant Patel, Ayush Mittal, Shubhang Yadav and Vedansh Singh Chandel. “Review on Soft Computing Techniques to Evaluate Soil liquefaction based on SPT data Sets”, International Conference “Rajkiya Engineering College- Conference- 2019” (REC-CON-19), 28-29 November 2019, Ambedkar Nagar, India.
13. **Ayush Mittal** and Shalinee Shukla. “Soil subgrade stabilization using non-woven polypropylene geotextile”, International Conference on Recent Trends and Innovations in Civil Engineering (ICRTICE-2019), 26-28 September 2019, MEDI-CAPS University Indore, India

2020-21

1. **Ayush Mittal**. “Effect of Coir Fibres on Strength, Thickness and Cost of PMGSY Roads”, IOP Conference Series: Materials Science and Engineering. Vol. 1136, 2021, pp. 1-7.
2. Pankaj Kumar, Asit Singh, Nitin Kumar Shukla and **Ayush Mittal**. “Removal of Heavy Metals by using Low cost Adsorbent”, PENSEE, Vol. 50, Issue 12, 2020, pp. 1694-1698.
3. Nitin Kumar Shukla, Jai Prakash Nayak, **Ayush Mittal** and Asit Singh. “Performance of Selfsocially Acceptable and Environmental Eco-Friendly Solid Waste Management top 10 cities In India”, PENSEE, Vol. 50, Issue 12, 2020, pp. 1796-1806.
4. Abdullah Anwar, **Ayush Mittal**, Anshuman Singh and Jitendra Gond. “Strength and Durability Behavior of Geo-Polymer Concrete: An Overview”, International Journal of Advanced Research in Engineering and Technology (IJARET), Vol. 11, Issue 12, 2020, pp. 2486-2495. (SCOPUS Indexed).
5. **Ayush Mittal**. “Effect of Rice Husk Ash and Stone Dust on Select Engineering Properties of Poor Subgrade Soil”, Jordan Journal of Civil Engineering, Vol. 15, No. 1, 2021, pp. 133-141.
6. **Ayush Mittal** and Shalinee Shukla. “Effect of Geogrid Reinforcement on Strength, Thickness and Cost of Low Volume Rural Roads”, Jordan Journal of Civil Engineering, Vol. 14, No. 4, 2020, pp. 587-597.
7. **Ayush Mittal**. “Effect of Coir Fibres on Strength, Thickness and Cost of PMGSY Roads”, International Conference on Advances in Materials, Mechanics, Mechatronics and Manufacturing (IC4M 2021), 06-07 March 2021.
8. **Ayush Mittal**. “Study of Soil Properties at Various Locations of Basti District: A Laboratory Work”, International Conference on Recent Advances in Science and Engineering (RASE-2021), 26-27 February 2021, REC Sonbhadra.
9. Asit Singh, Nitin Kumar Skukla, **Ayush Mittal**. “Feasibility Analysis of Green Building”, National Conference on Advances in Civil Engineering and Environmental Sciences (ACEES-2021), 14-15 January 2021, J.C. Bose University of Science and Technology YMCA, Faridabad.
10. **Ayush Mittal**. “Soil Stabilization Using Bio-Enzyme: A Review”, Developments in Geotechnical Engineering for Sustainable Tomorrow (DIGEST), 17-19 December 2020, College of Engineering, Andhra University, Visakhapatnam, India.