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	Journal paper: 11 Book Chapter: 07 Conference paper: 21 Sponsored Project: 0 Doctoral Student: 0	
Brief Profile	Dr. Suchit Kumar Patel is an Assistant Professor in Department of Civil Engineering, CUJ, Ranchi from October 2019. Earlier he was Assistant Professor in the Department of Civil Engineering, Bhagalpur College of Engineering, Bihar. He has completed his MTech and PhD from IIT Guwahati. He has attended several conferences, workshop and seminar and have presented his research work. He has published his research work in various national and international journals.	
Educational Qualification:	<ul style="list-style-type: none"> • PhD, 2018, Civil Engineering, Indian Institute of Technology Guwahati • M. Tech, 2012, Geotechnical Engineering, Indian Institute of Technology Guwahati • B.Tech, 2010, Civil Engineering, Muzaffarpur Institute of Technology, Muzaffarpur, Bihar 	

Courses Taught:	<ul style="list-style-type: none"> • Pavement Materials • Pavement Soil Mechanics • Pavement Analysis and Design • Ground Improvement Techniques • Reinforced Soil Structures • Operations Research • Research Publication and Ethics • Surveying and Geomatics • Solid Waste Management • RCC I
Additional Responsibility	<ul style="list-style-type: none"> • Warden of Brambe campus boys hostel
Professional Experience:	
<ul style="list-style-type: none"> • Assistant Professor, Department of Civil Engineering, Central University of Jharkhand from 18/10/2019 till date. • Assistant Professor, Department of Civil Engineering, Bhagalpur College of Engineering, Bhagalpur, Bihar, (4th Jan 2018 to 16th Oct. 2019). 	
Collaboration:	
Articles Published	
<ol style="list-style-type: none"> 1. Patel, S. K. and Singh, B. 2020. A comparative study on shear strength and deformation behaviour of clayey and sandy soils reinforced with glass fibre. <i>Geotechnical and Geological Engineering</i>, 38(5):4831-4845.doi: 10.1007/s10706-020-01330-5 2. Patel, S. K. and Singh, B. 2019. A Parametric Study on the Vertical Pullout Capacity of Suction Caisson Foundation in Cohesive Soil. <i>Innovative Infrastructure Solutions</i>, 4(1):1-11. doi: 10.1007/s41062-018-0188-6 3. Patel, S. K. and Singh, B. 2019. Shear Strength and Deformation Behaviour of Glass Fibre-Reinforced Cohesive Soil with Varying Dry Unit Weight. <i>Indian Geotechnical Journal</i>, 49(3):241–254.doi: 10.1007/s40098-018-0323-5 4. Patel, S. K. and Singh, B. 2017. Shear strength response of glass fiber-reinforced sand with varying compacted relative density. <i>International Journal of Geotechnical Engineering</i>, 13(4):339-351.doi: 10.1080/19386362.2017.1352157 5. Patel, S. K. and Singh, B. 2017. Experimental investigation on the behaviour of glass fibre-reinforced cohesive soil for application as pavement subgrade material. <i>International Journal of Geosynthetics and Ground Engineering</i>. 3(2):1-12. doi: 10.1007/s40891-017-0090-x 6. Patel, S. K. and Singh, B. 2017. Strength and deformation behavior of fiber-reinforced cohesive soil under varying moisture and compaction states. <i>Geotechnical and Geological Engineering</i>, 35(4):1767-1781. doi: 10.1007/s10706-017-0207-y 7. Patel, S.K. and Singh, B. 2016b. Experimental investigation on strength aspects of glass fiber-reinforced fine grained soil. <i>International Journal of Earth Sciences and Engineering</i>, 9(3):32-39. 8. Patel, S. K and Singh, B. 2015. CBR behaviour of randomly distributed glass fibre reinforced soil. <i>Discovery</i>, 40(182):90-96. 9. Patel, S. K. and Singh, B. 2015. Review of predictive models for shear strength behaviour of fibre reinforced soils. <i>Journal of Environmental Research Development</i>, 10(1):161-172. 10. Patel, S. K. and Singh, B. 2015. Strength and stiffness development of fibre-reinforced lateritic soil. <i>Journal of Environmental Research Development</i>, 9(3A):995-1002. 11. Patel, S. K. and Singh, B. 2014. Unconfined compressive strength behaviour of fibre reinforced 	

12. Singha, K. D. and Patel, S. K., 2022. Prediction of cbr of fine grained soil mixed with fly ash using artificial neural network. Proceedings of Indian Geotechnical Conference 2022, Kochi, India.
13. Patel, S. K. and Singh, B. 2022. Comparison of Shear Strength Characteristics of Sandy and Clayey Soils Reinforced with Glass Fibres. 20th International Conference on Soil Mechanics and Geotechnical Engineering, May 1-5, 2022, Sydney, Australia.
14. Patel, S. K. and Singh, B. 2021. Experimental Study on Strength Behavior of Clayey Soil Reinforced with Glass Fiber. Proceedings of GeoChina International Conference 2021, July 19-21, NanChang, China.
15. Patel, S. K. and Singh, B. 2020. A Study on the vertical pullout capacity of suction caisson foundation in sandy and clayey soils. Proceedings of Indian Geotechnical Conference 2020, December 17-19, 2020, Andhra University, Visakhapatnam, India.
16. Patel, S. K. and Singh, B. 2019. Strength and Deformation aspects of glass fibre reinforced clayey soil.” Proceedings of 7IYGEC, NIT Silchar.
17. Patel, S. K. and Singh, B. 2019. Comparative Shear Strength Behaviour of Glass Fibre Reinforced Clayey and Sandy Soils under Varying Moulded States. IACMAG Symposium 2019, IIT Gandhinagar.
18. Patel, S. K. and Singh, B. 2018. Effect of Glass Fibres on the Strength and Deformation Performance of a Cohesive Soil. Proceedings of Indian Geotechnical Conference 2018, IISc Bengaluru.
19. Patel, S. K. and Singh, B. 2017. Effect of compacted moisture content variation on compressive strength of fibre-reinforced cohesive soil. Proceedings of Indian Geotechnical Conference, IIT Guwahati, India (CD-ROM).
20. Patel, S. K. and Singh, B. 2016. Investigation of Glass Fibre Reinforcement Effect on the CBR Strength of Cohesive Soil. Proceedings of Indian Geotechnical Conference, IIT Madras, India (CD-ROM).
21. Patel, S. K. and Singh, B. 2016. Effect of compaction state on unconfined compressive strength of glass fibre reinforced fine-grained soil. Proceedings of International Conference on Soil and Environment, IISc Bengaluru, India (CD-ROM).
22. Jose, A., Patel, S. K. and Singh, B. 2015. Laboratory investigation on strength characteristics of fibre reinforced cohesive soil. Proceedings of 50th Indian Geotechnical Conference, Pune, India (CD-ROM), Paper No. 149, 7 pp.
23. Patel, S. K. and Singh, B. 2015. Effect of fibre reinforcement on strength and stiffness improvement of cohesive soil. Proceedings of International Conference on Infrastructure Development for Environmental Conservation and Sustenance, Hosur, India, Paper No. INDECS-15/033, 167-173.
24. Patel, S. K. and Singh, B. 2015. Improvement in strength characteristic of fibre reinforced sandy soil. Proceedings of 5th Indian Young Geotechnical Engineers Conference, Vadodara, India, 190-193.
25. Patel, S. K. and Singh, B. 2014. Modification of strength behavior of sandy soil with synthetic fibre. Proceedings of Indian Geotechnical Conference, Kakinada, India, 683-689.
26. Patel, S. K. and Singh, B. 2014. Influence of glass fibre inclusion on strength characteristics of a sandy.” North East Students Geo-Congress on Advances in Geotechnical Engineering, IIT Guwahati, India (CD-ROM).
27. Patel, S. K. and Singh, B. 2014. Models for Predicting Shear Strength of Fibre-Reinforced Soils. Proceedings of 3rd International Conference on Sustainable Innovative Techniques in Architecture, Civil and Environmental Engineering, JNU New Delhi, India, 335-342.
28. Patel, S. K. and Singh, B. 2013. Pullout behaviour of suction caisson foundation in sandy soils. Proceedings of Indian Geotechnical Conference, IGC 2013, December 22-24, IIT Roorkee,

India, Paper No. 69, 6 pp.

29. Patel S. K. and Sigh B. 2012. Study on vertical pullout behaviour of suction caisson foundation in clayey soils. Proceedings of Indian Geotechnical Conference, IGC 2012, December 13-15, 2012, IIT Delhi, Paper No. E-516, 4 pp.
30. Patel S. K. and Sigh B. 2012. Study on installation and pullout of suction caisson foundation for offshore wind turbines. Proceedings of SAIMM Research Symposium on Engineering Advancements, SAIMM – RSEA 2012, April 27-28, Malabe, Srilanka, 39-42.
31. Patel S. K. and Sigh B. 2011. Geotechnical aspects of suction caisson foundation system for offshore wind turbine in clayey soils. National Conference on Recent Advancements in Civil Engineering & Infrastructural Developments, RACE-InD 2011, December 21-22, Guna, MP, India, 6 pp.
32. Patel S. K. and Sigh B. 2011. Behaviour of suction caisson as foundation system for offshore wind turbine in sandy soils. Proceedings of National Conference on Recent Advancement in Civil Engineering, RACE-2011, October 14-16, Varanasi, India, 533-537.

Books and Book Chapters

1. Patel, S. K. 2022. Experimental Investigation of Glass Fiber Reinforced Clayey Soil for Its Possible Application as Pavement Subgrade Material. In: A.P.S. Yilmaz (Ed.): New Approaches in Foundation Engineering, IntechOpen, London, UK. doi: 10.5772/intechopen.102802
2. Patel, S. K. and Singh, B. 2022. Strength and deformation aspects of glass fiber-reinforced clayey soil. In: Dey A. k., Mandal J.J. and Manna B. (Eds.): Proceedings of the 7th Indian Young Geotechnical Engineers conference, Lecture Notes in Civil Engineering, Vol. 195, 137-143, Springer, Singapore. doi: 10.1007/978-981-16-6456-4
3. Patel, S. K. and Singh, B. 2021. A study on the vertical pullout capacity of suction caisson foundation in sandy and clayey soils. In: Satyanarayan Reddy CNV, Saride S. and Haldar S. (Eds.): Transportation, Water and Environmental Geotechnics, Lecture Notes in Civil Engineering, Vol. 159, 367-377, Springer, Singapore. doi: 10.1007/978-981-16-2260-1_36
4. Patel, S. K. and Singh, B. 2021. Experimental study on strength behavior of clayey soil reinforced with glass fiber. In: Z. Hossain Z., Zaman M., Zhang J. (Eds.): Finding Solutions of 21st Century Transportation problem Through Research and Innovation, GeoChina 2021, Sustainable Civil Engineering Infrastructures. pp. 1–10, Springer, Cham. doi: https://doi.org/10.1007/978-3-030-79638-9_1
5. Patel, S. K. and Singh, B. 2020. Effect of glass fibres on the strength and deformation performance of a cohesive soil. In: Latha Gali M., P. R. R. (Eds), Geotechnical Characterization and Modelling, Lecture Notes in Civil Engineering, Vol. 85, Springer, Singapore. doi: 10.1007/978-981-15-6086-6_47
6. Patel, S. K. and Singh, B. 2019. Experimental study on shear strength behavior of Glass fiber-reinforced sand. In: Sevi A., Neves J., Zhao H. (eds), Enhancements in Applied Geomechanics, Mining, and Excavation Simulation and Analysis. GeoChina 2018. Sustainable Civil Infrastructures. Springer, Cham. doi: 10.1007/978-3-319-95645-9_14
7. Patel, S. K. and Singh, B. 2019. Investigation of glass fiber reinforcement effect on the CBR strength of cohesive soil. In T. Thyagaraj (ed.), Ground Improvement Techniques and Geosynthetics. doi: 10.1007/978-981-13-0559-7_8

Seminar/ Workshop/ Conference Participation:

1. Indian Geotechnical Conference, IGC 2013, December 22-24, IIT Roorkee, India.
2. 3rd International Conference on Sustainable Innovative Techniques in Architecture, Civil and Environmental Engineering, 26-27th April 2014, JNU New Delhi, India.
3. North East Students Geo-Congress on Advances in Geotechnical Engineering, 18th October 2014, IIT Guwahati, India.
4. Indian Geotechnical Conference 2014, December 18-20, 2014, Kakinada, India.
5. 5th International Conference on Architecture, Civil and Environmental Engineering, 11 – 12th October 2014, JNU New Delhi.

6. Indian Geotechnical Conference 2015, 17-19th December 2015, Pune, India.
7. Indian Geotechnical Conference 2017, 14-16th December 2017, IIT Guwahati, India.
8. Indian Geotechnical Conference 2020, December 17-19, 2020, Andhra University, Visakhapatnam, India.
9. Faculty Induction Programme, Jan 29 – Feb 2, 2018, IIT Gandhinagar, India.

Invited Lectures

1. Methods of Ground Improvements, 18th August 2020, 5 Days Online Faculty Development Program on Recent Trends & Research Opportunities In Civil Engineering Field, 17-21 August 2020, Bhagalpur College of Engineering, Bihar.
2. Application of glass fiber reinforced soil as pavement material, 21 August 2020, 5 Days Online Faculty Development Program on Recent Trends & Research Opportunities in Civil Engineering Field, 17-21 August 2020, Bhagalpur College of Engineering, Bihar.

Programme Organized**Awards and Honours****Any Other Information:****Membership and Fellowship**

1. Indian Geotechnical Society Life Member (IGS): LM4403