


Title	Dr	First Name	Bhishm Singh	Last Name	Khati	
Designation	Assistant Professor					
Dept. Name	Department of Civil Engineering					
Address:	G. B. Pant Institute of Engineering and Technology Ghurdauri, Pauri Garhwal-246194, Uttarakhand, India					
Phone No.	09458381318 07579164401					
Email	bhishmkhati007@gmail.com		bhishm.khati@gbpec.ac.in			
Web Page (if any)						
Subjects Taught	Soil Mechanics and Foundation Engineering, Advance Foundation Engineering					
Areas of Interest/Specialization	Soil Mechanics and Foundation Engineering, Advance Foundation Engineering, Soil Dynamics and Earthquake Engineering, Laterally Loaded Piles near Sloping Ground, Ground Improvement Techniques, Machine Foundations.					
Experience (in years)	Total	14				
	Industry	--				
	Teaching	13				
	Research	01				
Educational Qualifications	UG	B. Tech. (UPTU)				
	PG	M. Tech. (IIT Roorkee)				
	Doctorate	Ph. D. (IIT Roorkee)				
	Any other	--				
Research Publications in Journals	<b>Name of Authors</b>	<b>Title</b>	<b>Name of the Journal</b>	<b>Year/ISSN/Vol</b>		
	Gupta, A., <b>Khati, B. S.</b> , Kumar, D.	“Effect of Random Inclusion of Aluminium Strands on Strength Behaviour of Soil”	<i>International Journal of Civil Engineering &amp; Technology</i> (IJCIET)	2018, Vol 9, Issue 4, pp. 175-180, ISSN Print: 0976-6308 and ISSN Online: 0976-6316. Paper Id: IJCIET_09_04_019.		

	<b>Khati, B. S.</b> and Sawant, V. A.	“Variation in Lateral Load Capacity of Pile Embedded Near Slope with Ground Inclination and Edge Distance”	<i>International Journal Geotechnical Engineering (IJGE)</i>	2018, Vol 14, No.7, pp. 740-751, ISSN :1938-6362 (P), ISSN :1939-7879 (O). DOI: 10.1080/19386362.2018.1541149.
	<b>Khati, B. S.</b> and Sawant, V. A.	“Comparison of Lateral Response of Pile Group in Series and Parallel Arrangement near Sloping Ground”	<i>International Journal Geotechnical Engineering (IJGE)</i>	2019, Vol 14, No.6, pp. 686-695, ISSN :1938-6362 (P), ISSN :1939-7879 (O) DOI: 10.1080/19386362.2019.1617478.
	<b>Khati, B. S.</b> and Sawant, V. A.	“Effect of Slope Angle and Edge Distance on Laterally Loaded Flexible Pile Embedded in Sandy Ground.”	<i>Advances in Sustainable Construction Materials and Geotechnical Engineering, Lecture Notes in Civil Engineering, Springer</i>	2019, Vol 35 (ISSN: 2366-2557), ISSN: 2366-2565 (electronic), pp. 195-204, <a href="https://doi.org/10.1007/978-981-13-7480-7">https://doi.org/10.1007/978-981-13-7480-7</a> .
	<b>Khati, B. S.</b> , Sawant, V. A. and Gupta, A.	“Development of <i>p-y</i> Curves from Experimental Studies on Piles near Sloping Ground”	Geo-Congress-2020 (ASCE) US, <i>Foundations, Soil Improvement and Erosion</i> , Geotechnical special publication	2020, Vol No-GSP 315, pp. 64-72, DOI: 10.1061/9780784482780.007, (ISSN: 0895-0563) ISBN (PDF): 978-078-44-8278-0, (Published Online February 21, 2020)
	Gupta, A., <b>Khati, B. S.</b> and Kumar, D.	“Utilization of Stone Dust and Fly Ash to Enhance the Engineering Properties of Black Cotton Soil.”	<i>International Journal of Advanced Science and Technology (IJAST)</i>	2020, Vol.29 No.04 (2020) pp.8753-8760, ISSN: 2207-6360. (April 2020)
	Gupta, A., Sawant, V. A. and <b>Khati, B. S.</b>	“Effect of Soil Amplification on the Seismic Stability of Reinforced-soil Wall for Cohesive Backfill with	<i>Lecture Notes in Civil Engineering</i> , Springer, (Proceedings of the Indian Geotechnical Conference 2019	(ISBN 978-981-33-6563-6; ISBN 978-981-33-6564-3 (eBook)). <b>Lecture Notes in Civil Engineering, Springer, (ISSN: 2366-2557; ISSN: 2366-2565 (electronic))</b> , pp. 255 – 264. (Ist Online May 06, 2021)

		Uniform Surcharge.”	IGC 2019).	<a href="https://doi.org/10.1007/978-981-6564-3-6564-3">https://doi.org/10.1007/978-981-6564-3-6564-3</a> .	33-
	<b>Khati, B. S.</b> and Sawant, V. A.	“Experimental Study of Laterally Loaded Pile Group in Square Arrangement near Sloping Ground”	<i>International Journal of Geomechanics</i> (American Society of Civil Engineers)	2021, 21 (2), 1911, pp-04020257-1-10 DOI: 10.1061/(ASCE) GM.1943-5622.0001911, impact factor-3.819 (2020) (ISSN: 1532-3641).	57-1-10
	<b>Gupta, A., Kumar, B. and Khati, B. S.</b>	“A Comparative Study of the California Bearing Ratio Value of Subgrade Made by Stone Dust and Natural Sand with Coarse Aggregate”	<i>SAMRIDDHI – A Journal of Physical Sciences, Engineering &amp; Technology</i> (SAMRIDDHI – JPSET)	2022, Volume 14 (3), ISSN:2454-5767, DOI:10.18090/samriddhi.v14i03.04.	54-5767,
Papers Published in Conference Proceedings	<p><b>Khati, B. S., Kumar, D., Swami, S.</b> (2011), “Dynamic Analysis of Nailed Open Cuts-A Case Study” National Conference on Recent Advances in Civil Engineering (RACE-2011), IIT-BHU, Varanasi, 14<sup>th</sup> to 16<sup>th</sup> October 2011, 472-479, ISBN: 978-81-921121-0-7.</p> <p>Kumar, D., <b>Khati, B. S.,</b> Yadav, H. L. (2011), “Water Quality Modeling for EIA Study” 4<sup>th</sup> International Congress of Environmental Research, Organized By Journal of Environmental Research and Development, Bhopal (India) and SVNIT Surat, India, S.No. 323, 15<sup>th</sup> to 17<sup>th</sup> December 2011.</p> <p><b>Khati, B. S.,</b> Swami, S., Mukerjee, S., (2012), “Computer Aided Analysis of Turbogenerator Foundation” 2<sup>nd</sup> International Science Congress Association (ISC-2012) Vrindavan, India, ISCA-ISC-2012-5CITS-06, 08<sup>th</sup>-09<sup>th</sup> December 2012.</p> <p><b>Khati, B. S.</b> and Sawant, V. A. (2017), “A Review on Effect of Slope on Load Carrying Capacity of Laterally Loaded Pile” National Conference on Numerical Modeling in Geomechanics (CoNMiG-2017) organized by Indian Geotechnical Society, Roorkee Chapter at IIT Roorkee, India, 03<sup>rd</sup>-04<sup>th</sup> March 2017, 295-302.</p> <p><b>Khati, B. S.</b> and Sawant, V. A. (2017), “Response of Single Model Pile Subjected to Lateral Load near Sloping Ground” 6<sup>th</sup> International Conference on Quality Upgradation in Engineering, Science &amp; Technology (ICQUEST-2017) organized by Bapurao Deshmukh College of Engineering, Sevagram, Wardha, Maharashtra, 28<sup>th</sup> September 2017, Track 6 CIVIL Papers C-21, ISBN: 978-81-923623-1-1, Pages-04.</p> <p><b>Khati, B. S.</b> and Sawant, V. A. (2017), “Effect of Steep Slope on Single Model Pile Subjected to Lateral Load near Sloping Ground” National Conference on Infrastructure Sustainability in Hilly Regions (CISHR-2017) organized by National Institute of Technology, Srinagar, Uttarakhand, pp-41 to 46, 21<sup>st</sup> to 23<sup>rd</sup> December 2017.</p> <p>Gupta, A., <b>Khati, B. S.</b> and Sawant, V. A. (2018), “Seismic Active Earth Pressure Behind the Inclined Retaining Wall for Inclined c-φ Soil Backfill using Pseudo-</p>				

	<p>Dynamic Approach” 16SEE-2018, 16<sup>th</sup> Symposium on Earthquake Engineering organized by Department of Earthquake Engineering, IIT Roorkee, 20<sup>th</sup> to 22<sup>nd</sup> December 2018 Paper Id: 20.</p> <p><b>Khati, B. S.,</b> Sawant, V. A. and Gupta, A. (2019), “Comparison of <i>p-y</i> Curves of Pile Group in Parallel Arrangement near Sloping Ground” Indian Geotechnical Conference IGC 2019 (GeoINDUS) organized by Indian Geotechnical Society at SVNIT Surat, Gujrat, India, 19<sup>th</sup> to 21<sup>st</sup> December 2019. Paper Id: Th2-30.</p> <p>Gupta, A., Sawant, V. A. and <b>Khati, B. S.</b> (2020), “A Simplified Pseudo-Dynamic Analysis of Reinforced Soil Walls for c-φ Soil Backfill with Uniform Surcharge.” Proceedings of Peer-Reviewed Abstracts in CRSIDE-2020 (2<sup>nd</sup> ASCE India Conference 2020) Kolkata, India, organized by ASCE India Section, 02<sup>nd</sup> to 04<sup>th</sup> March 2020, ISBN: 978-93-5396-500-6.</p>		
Books Authored/Book Volume Chapters	--		
No. of Conferences	National	Attended	Organized
		27	--
	International	03	--
Research Guidance	Awarded	PG	Doctorate
		05	--
	Undergoing	01	01
Research Projects	Completed	01	
	Undergoing	01	
Awards & Distinctions	--		
Administrative Assignments Handled	<p>Expert Member, <b>Board of Studies</b>, B.Tech (Civil) and M.Tech (Civil), Uttarakhand Technical University August 2022</p> <p><b>Office in charge, Water Supply</b> GBPIET (November 08, 2021 to till continue)</p> <p><b>Head</b>, Department of Civil Engineering (17<sup>th</sup> June 2021 to 06<sup>th</sup> September 2021)</p> <p><b>Office in charge, Security</b> GBPIET (05<sup>th</sup> March 2019 to 06<sup>th</sup> September 2021)</p> <p><b>Estate Officer, GBPIET</b> (12<sup>th</sup> September 2018 to 06<sup>th</sup> September 2021)</p> <p><b>Warden</b></p> <p>1.Bhageerathi Hostel 2018-2019</p> <p>2.Neelkanth Hostel 2014-2015</p> <p><b>Assistant warden</b></p> <p>1.Kailash Hostel 2013-2014</p> <p>2.Badri Hostel 2011-2012 &amp; 2012-2013</p>		
Association with Professional Bodies	<b>Name of the Society</b>		
	Indian Geotechnical Society (IGS)		
	Institution of Engineers (India)		
	American Society of Civil Engineers (ASCE)		

Any other Achievements

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