

Resume



Name : Dr. Jitendra Singh Yadav
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Other Profile Links

Research Gate Link :

Personal Web Link :

Google Scholar Link :

Research Profile

Research Interests : Soil stabilization using waste material, ground improvement techniques especially design of Geo- synthetic and fiber reinforced soil structures, earth-retaining structures, geotechnical characterization through element tests, model tests and field tests.

Brief Research Profile :

Qualification

Name of the Degree	Year Of Passing	Institute/University
Bachelor of Technology	2010	Punjab Technical University
Mater of Technology	2013	Dr. B. R. Ambedkar National Institute of Technology Jalandhar Punjab
Doctor of Philosophy	2018	Malaviya National Institute of Technology Jaipur

Publications

Year	Journal	Publication	Indexed In
2020	J. Build. Mater. Struct	Analysis of Aqueducts Subjected to Hydrostatic and Dynamic Loads Using 3D - Solid Modeling	-
2020	Geotech Geol Eng	Local Softening Characteristic of Soft Clay Subjected to Dynamic Loading Under Low Confining Pressure.	Scopus
2020	Soil Mechanics and Foundation Engineering	Deformation monitoring analysis and numerical simulation in a deep foundation pit of Shantou, China	SCI
2019	Transportation Infrastructure Geotechnolgy	Geotechnical Properties of Rubber Reinforced Cemented Clayey Soil	Scopus
2019	Proceeding of Institution of Civil Engineering - Ground Improvement	Strength and ductility behaviour of rubberised cemented clayey soil	Scopus
2017	Applied Clay Sciences	Effect of waste rubber fibres on the geotechnical properties of fine grained soil stabilized with cement	SCI
2017	Journal of Building Engineering	A study on the potential utilization of crumb rubber in cement treated soft clay.	SCI
2017	Environment, Development and Sustainability.	The impact of end-of-life tires on the mechanical properties of fine-grained soil : A Review	SCI
2017	Materials Today: Proceedings	Geotechnical Properties of Dune Sand-Waste Tires Composite	Scopus
2016	Journal of Building Engineering	Behaviour of cement stabilized treated coir fibre-reinforced clay-pond ash mixtures"	SCI
2016	Journal of Advanced Research in Applied Mechanics	Behavior of dune sand and its stabilization technique	-
2020	Journal of Achievements in Materials and Manufacturing Engineering	Simplified analyses of stress induced anisotropy in remoulded soft clay under undrained conditions	Scopus
2020	JAMME/AMSE International OCSCO World Press	A study on alkali resistant glass fiber concrete and its exposure to elevated temperatures	Scopus
2021	Journal of Structural Integrity and Maintenance	A study on the carbonation of binary and ternary blended cement mortar and concrete	Scopus

Edited Book/Book Chapter

Type	Title	Publisher	Authors	ISBN/ISSN No.	Year
Chapter	Development of Region-Specific New Generation Attenuation Relations for North India Using Artificial Neural Networks	Lecture Notes in Civil Engineering, Vol. 123, Ankit Garg et al. (Eds): Proceedings of the 1st Indo-China Research Series in Geotechnical and Geoenvironmental Engineering, Springer	He Huang, R. Ramakrishnan, Sreevalsa Kolathayar, Ankit Garg, and Jitendra Singh Yadav	978-981-33-4323-8	2020
Chapter	Mechanical Behaviour of Bentonite-Cement Mixtures Subjected to Change in Moisture Content	Lecture Notes in Civil Engineering, Vol. 123, Ankit Garg et al. (Eds): Proceedings of the 1st Indo-China Research Series in Geotechnical and Geoenvironmental Engineering, Springer	R. K. Dutta and Jitendra Singh Yadav	978-981-33-4323-8	2020
Chapter	Effect of Earthquake on Underground Metro Tunnels—A Parametric Study	Lecture Notes in Civil Engineering, Vol. 123, Ankit Garg et al. (Eds): Proceedings of the 1st Indo-China Research Series in Geotechnical and Geoenvironmental Engineering, Springer	Manendra Singh, N. K. Samadhiya, and Jitendra Singh Yadav	978-981-33-4323-8	2020
Chapter	Behavior of Strip Footing Resting on Sand Reinforced with Waste Tire Strips"	Lecture Notes in Civil Engineering, Vol. 138, Satyajit Patel et al. (Eds): Proceedings of the Indian Geotechnical Conference 2019	Jitendra Singh Yadav, Arvind Kumar Agnihotri, Surinder Pal, Ankit Garg	978-981-33-6563-6	2021

Research Projects

Role	Project Type	Title	Funding Agency	From	To	Amount	Status	Co-Investigator
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Research Supervision

Programme Name	Scholar Name	Research Topic	Status	Year	Co-Supervisor
M.Tech	Akshay Kumar	Stability Analysis of Different Shapes of Tunnel in Sandy Soil Using Plaxis 2D	Ongoing	2021	
M.Tech	Keshav Kumar	Pressure Settlement Behaviour of Circular Footing Resting on Geotextile Encased Stone Column	Ongoing	2021	
M.Tech	Vishal Kumar	Pressure Settlement Behaviour of Ring Footing Resting on Geotextile Encased Stone Column	Ongoing	2021	
M.Tech	Vishal Raghuvanshi	Slope Stability Analysis of Expansive Soil Amended with Biochar Using PLAXIS 2D	Ongoing	2021	
M.Tech	Suhas S Babu	Dynamic Analysis of Aqueducts Subjected to Seismic Forces	Awarded	2019	
Ph.D	Vaibhav Chaudhary	Soil Stabilization	Ongoing	2020	

Patents

Name	Reg./Ref.No.	Date Of Award/Filing	Organization	Status
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Teaching

Programme Name	Subjects Taught	From	To	Credits
Assistant Professor	Dept of Civil Engineering, National Institute of Technology Hamirpur, Hamipur (H.P)	30/09/2019		1 year
Assistant Professor	School of Civil and Chemical Engineering, Manipal University, Jaipur.	03/07/2018	25/09/2019	1 Year 2 Months

Administrative Responsibilities

Position Held	Organization	From	To	Remarks
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Expert Talks

Title	Place	Year	Description
Merits and Demerits of ELT inclusion in Cement Stabilized Soil	Rajasthan Technical University, Kota and Nathdwara Institute of Engineering & Technology, Nathdwara	2021	Rajasthan Technical University, Kota and Nathdwara Institute of Engineering & Technology, Nathdwara in TEQIP-III sponsored workshop on "EMERGING TRENDS IN CIVIL ENGINEERING" from 05th to 09th January 2021
Geotechnical Properties of Rubbized Clayey Soil	Rajasthan Technical University, Kota and Nathdwara Institute of Engineering & Technology, Nathdwara	2021	Rajasthan Technical University, Kota and Nathdwara Institute of Engineering & Technology, Nathdwara in TEQIP-III sponsored workshop on "EMERGING TRENDS IN CIVIL ENGINEERING" from 05th to 09th January 2021

Professional Activities

Name of Activity	Role	Duration	Organization
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Courses Organized

Category	Type	Title	Venue	From	To	Designation
workshop	International	Role of Fractional Calculus in Engineering	Anand International College of Engineering, Jaipur	27/04/2018	28/04/2018	Member
symposia	National	LEED PLATINUM & GRIHA FIVE STAR RATED	Manipal University Jaipur	30/10/2018	30/10/2018	Member
workshop	National	Research Advances in Geotechnical Earthquake Engineering [RAGEE] - From Theory to Practice	Manipal University Jaipur	15/02/2019	15/02/2019	Co-Convener
stc	National	Recent Advances in Geotechnical Engineering (RAGE-2021)	NIT-Hamirpur	01/03/2021	05/03/2021	Coordinator

Date :**Place :****Signature**