



Dr. Shankar Singh Kushwaha

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OBJECTIVE

To obtain a position in an esteemed organization that will enable me to use my good technical and organizational skills and contribute effectively to the progress of the institute.

BASIC EDUCATION

S. No.	Class	Name of School	Board	Percentage
1.	10 th	V.V.M. High School, Khimlasa, Dist.Sagar, MP	M.P Board	86.2%
2.	12 th	Govt. H.S. School, Khimlasa, Dist. Sagar, MP	M.P Board	83.5%

TECHNICAL EDUCATION:

S. No.	Educational Qualification	Specialization	Name of the Institute	Year of Passing	Percentage/Grade
1.	Ph. D (Civil Engineering)	Geotechnical Engineering	MANIT Bhopal	2019	Awarded
	Thesis Title: Experimental Study on Expansive Soils Treated with Fly Ash and Bio-Enzyme (Eko Soil)				
2.	M. Tech (Civil Engineering)	Geotechnical Engineering	MANIT Bhopal	2014	8.40
3.	B. E (Civil Engineering)	Civil Engineering	LNCT Bhopal	2012	76.12 %

TEACHING AND INDUSTRIAL EXPERIENCE

S. No.	Position Held	Period of Tenure With Date	Teaching Experience	Name Of The Organization
1	Associate Professor	12/07/2021 to Till Date	32 month	RNTU, Bhopal
3	Project Associate	01/10/2020 to 20/03/2021	05 Month	MANIT, Bhopal
4	Assistant Professor (Contract)	11/07/2019 to 31/05/2020	11 Month	MANIT, Bhopal
5	Research Scholar/Teaching Assistant	07/08/2014 to 25/06/2019	61 Month	MANIT Bhopal

M.Tech. DISERTATIONS

S. No.	Scholar Name	Title of Dissertation	Date
1.	Md. Shahadat Husain	“Investigation of Concrete Blocks with different Aggregate and Mixed Aggregate Size to withstand Under Local Compression”	15/10/2022
2.	Md. Tamreen Raza	“Effect of Accelerated Curing on Concrete with Fly Ash and Glass Powder”	12/12/2022
3.	Dilip Kumar	“A Case Study on Rectification of Shift and Tilt of Well Foundation”	20/04/2023
4.	Shashi Shekhar Kumar	“Utilization of Bauxite Residue in Self Compacting Concrete and Evaluate Rheological Behaviour and Mechanical Characteristics”	08/01/2024

EXPERT LECTURE DELIVERED

S. No.	University/Institute	Title	Date
1.	RGPV, Bhopal	“Application of Geotextile in civil engineering”	04/03/2022
2.	RNTU, Bhopal (ITDPR AGU-Civil)	“Geoenviromental Engineering: Scope and Application”	14/07/2023

TESTING AND CONSULTANCY WORK

S. No	Particulars	Client	Duration
1.	Assist with Dr. D. Kishan in “Utility mapping of energy decapitators of Indira Sagar Dam using GPR surveying”, in surveying and preparing reports.	M/s NHDC, Bhopal	2015
2.	Assist with Dr. D. Kishan in “Soil investigation for multistoried building at Avadhuri Bhopal, using SPT test” in testing and preparing of reports of different types of soil profile.	M/s M.P. Housing Board, Bhopal	2015
3.	Assist with Dr. D. Kishan in “Soil investigation for oil tanks, multistoried building at Sagar, Jabalpur, and Ashoknagar sites using SPT and and Open Pit test” in testing and preparing of reports of different types of soil profile.	M/s Indian Oil Corporation, Bhopal, M.P.	2016
4.	Assist with Dr. D. Kishan in “Study of index and engineering properties of Expansive soil and Red mud, using Eko Soil Enzyme”, in testing and preparing of reports of different types of soils.	M/s Norwood Hall Pvt. Ltd., Australia	2016 – 18
5.	Assist with Dr. D. Kishan in “Soil investigation for G+2 building at Harising Gour University, using Plate Load Test, Sagar M.P.”, in testing and preparing of reports of different types of soils.	M/s CPWD, Sagar M.P.	2018
6.	Assist with Dr. D. Kishan in “Soil investigation and water exploration using electrical resistivity method at AIIMS Bhopal”, in testing and preparing of reports.	M/s CPWD, Bhopal M.P.	2018
7.	Assist with Dr. S.P.S. Rajput in “Soil investigation for multistoried building at TT Nagar Bhopal, using SPT test”, in preparing reports of different types of soil profile.	M/s SMART CITY, Bhopal M.P.	2018
8.	Co- Investigator with Dr. D. Kishan in “Geotechnical Investigation for Proposed Construction of National Information Center (NIC) Data Collection Center Bhopal (M.P.)”	M/s CPWD, Bhopal	2021
9.	Co- Investigator with Dr. D. Kishan in “Structural Stability of Municipal Council Building Pipariya, M.P.”	M/s Municipal Council Pipariya, M.P.	2021

LIST OF WORKSHOP AND TRAINING PROGRAMMES

S. No	Title/ Program	Institute/Organization	Duration (Days)
1.	UGC Sponsored Master Training Programme on “Indian Knowledge Systems” March 2024.	HRDC, National Sanskrit University, Tirupati, in collaboration with IKS Div., Ministry of Edu. Govt. of India, New Delhi	06
2.	One week online Short Term Course on “Sustainable Advancement in Structural and Transportation Engineering” March 2024	NIT Jalandhar	07
3.	AICTE Recognized FDP on “Affordable Housing Techniques and Practices” Febuary 2024.	NITTTR Chandigarh, India	07
4.	Short Term Course on “Pavement Materials and Evaluation (PME-2023)”, 11 Dec 2023	IGIT Sarang An autonomous institute of Govt. of Odisha	07
5.	Two Days National Workshop on “Intellectual Property Rights”, 24 Nov 2023	Rabindranath Tagore University, Bhopal (M.P.)	2
6.	Ministry of Education Workshop Introduction to Traditional Knowledge Intellectual Property & People's Rights-II, 16 Nov 2023	Indian Knowledge Systems (IKS) Division, Ministry of Education, and CSIR-Traditional Knowledge Digital Library (TKDL) Unit, Ministry of Science and Technology,	5
7.	Faculty Development Programme on “Value addition and Post harvesting Management: Challenges and Opportunities in Food Processing” 25 Sept 2023	Rabindranath Tagore University, Bhopal (M.P.)	3
8.	4th International Conference on Environmental Geotechnology, Recycled Waste Materials, and Sustainable Engineering, 25 Oct 2023	NIT Jalandhar	3
9.	Ministry of Education Workshop on “Introduction to Traditional Knowledge Intellectual Property & People's Rights-I, 21 August 2023	Indian Knowledge Systems (IKS) Division, Ministry of Education, and CSIR-Traditional Knowledge Digital Library (TKDL) Unit, Ministry of Science and Technology,	5
10.	UGC Sponsored Short Term programme on “Indian Knowledge Systems” 31 July to 05 August.	HRDC, RNM University, Nagpur in collaboration with IKS Div., Ministry of Edu. Govt. of India, New Delhi	7
11.	2nd International Conference on Recent Advances in Sustainable Environment, 15 May 2023 (Elsevier)	Bundelkhand Institute Of Engineering and Technology, Jhansi U.P.	2
12.	Two Days National Meet Cum Workshop on “Building Human Capital through Technical Education for PM Gati Shakti” 18 May 2023	NITTTR Bhopal, Indian	2
13.	International short term training programme-VII on “Biodiversity and Environment Conservation” March 2023.	Rajrishi Govt. Autonomus College, Alwar Rajasthan, India	7
14.	A Webinar on “BIM and Scope Construction Industry” 25 Feb. 2023.	IGS Guntur Chapter, Andhra Pradesh	1
15.	A Webinar on “Design of Foundation Systems for	IIT Jodhpur in collaboration with	1

	Offshore Wind Turbines - Indian Perspective” 04 Feb. 2023.	the Indian Geotechnical Society (IGS) Jodhpur chapter	
16.	International short term training programme-V on “Production and Regulations of Chemicals and Toxins for environmental Conservation” December 2022.	Rajrishi Govt. Autonomus College, Alwar Rajasthan, India	7
17.	A Webinar on “Design of Foundation Systems for Offshore Wind Turbines - Indian Perspective” 04 Feb. 2023.	IIT, Jodhpur India	1
18.	International short term training programme-4 on “Methods, Modeling, Data and Tools of Environmental Conservation” November 2022.	Rajrishi Govt. Autonomus College, Alwar Rajasthan, India	7
19.	International webinar Series on “Geoenvironmental Engineering” 6 Oct to 1 Dec 2023	University of Illinois Chicago (USA)	8
20.	International Seminar on “Impact of Ozone Layer Depletion on Climate Change” September 2022	Rajrishi Govt. Autonomus College, Alwar Rajasthan, India	1
21.	AICTE Recognized FDP on “Testing of Latest Civil Engineering Materials” August 2022.	NITTTR Kolkata, Indian	7
22.	AICTE Recognized FDP on “Testing of Latest Civil Engineering Materials” August 2022.	NITTTR Chandigarh, India	7
23.	Two-day workshop on "Transportation Geotechnics", July 2022.	Indian Geotechnical Society, Vellore Chapter, India	2
24.	AICTE Recognized FDP on “Advanced Construction Materials and Techniques for Roads Buildings, Bridges and Other Civil Engineering Structures” July 2022.	NITTTR Chandigarh, India	14
25.	AICTE recognized FDP on “Bearing Capacity Estimation for Foundation” July 2022.	NITTTR Chandigarh, India	7
26.	International short term training programme on “Contrivance of Sustainable Development Goals (SGDs) for Environmental Conservation” June 2022.	Rajrishi Govt. Autonomus College, Alwar Rajasthan, India	7
27.	Online yoga training programme on “International Day of Yoga (IDY-2022)” May 2022.	Ministry of Ayush, Govt. of India	30
28.	International short term training programme on “Impact and Panacea of Environmental Pollution: The Past and Future” April 2022.	Rajrishi Govt. Autonomus College, Alwar Rajasthan, India	7
29.	International seminar on “Multidisciplinary Approach towards Science and Education” April 2022.	Rajrishi Govt. Autonomus College, Alwar Rajasthan, India	1
30.	International short term training programme on “Recent Advances in Environmental Toxicology and Wildlife Conservation” March 2022.	Rajrishi Govt. Autonomus College, Alwar Rajasthan, India	7
31.	Webinar on “Pressure meter Test in Geotechnical Designs” Feb. 2022.	Indian Geotechnical Society, Aurangabad Chapter	1
32.	AICTE Training and Learning (ATAL) online FDP on “Rhizospheric engineering: Revisiting the Microbe-Plant Synergy to Mitigate Plant Nano Toxicology” Jan. 2022.	Motilal Nehru National Institute of Technology, Allahabad	5
33.	AICTE Training and Learning (ATAL) online FDP on “Experimental learning in Geotechnical	Visvesvaraya National inatitute of Technology, Nagpur	5

	Learning” Dec. 2021.		
34.	AICTE Training and Learning (ATAL) online FDP on “Biomass to fuels, Chemical and value-added products for sustainable energy and environmental future” Dec. 2021.	National Institute of Technology, Tiruchirappalli	5
35.	International Virtual Short-Term Course on “Futuristic Prospects of Geoenvironmental and Geotechnical Issues of Coal Mine Overburden and Mine Tailings”, March 2021.	IIT Dhanbad and University of Illinois at Chicago, USA	3
36.	Five days training on "Soil Investigation and Testing of Materials for Pavements, Building & Bridges”, Jan. 2017.	MANIT Bhopal	5
37.	One Month Training on “Entrepreneurship Development Programme”, Nov. 2017.	MPCON Limited Govt. of India	30
38.	Three days, Entrepreneurship Training Programme on "Agriculture Business", June 2016.	National Institute for Entrepreneurship and Small Business Development (NIESBUD) Govt. of India	3
39.	Two days short term training program on "Pavement Evaluation Technique", Jan. 2016.	MANIT Bhopal	2
40.	Five days Short Term Training Programme on "Modeling & Simulation", June 2016.	MANIT Bhopal	5
41.	Three days workshop on “Knowledge Dissemination Programme”, Oct. 2015.	IIT Kharagpur	3
42.	Two days short term training program on “Transportation and Structural Engineering”, Feb. 2012.	Truba Institute of Engineering & Information Technology	2
43.	Fifteen Days Vocational Training in Narmada Water Supply Project, June 2011.	Public Health Engineering Department	15

LIST OF PUBLICATIONS IN INTERNATIONAL/NATIONAL JOURNALS

S. No.	Title of Paper	Authors	ISBN/ISSN Number	Name of Journal	Page No. Volume Issue No. & Year
1.	“Effect of Accelerated Curing on Concrete with Fly Ash and Glass Powder”	Md. Tamreen Raza and S.S. Kushwaha	ISSN:0303-6286	Tierarztiliche praxis	Vol. 42, Issue 7, July 2022
2.	“Investigation of Concrete Blocks with different Aggregate and Mixed Aggregate Size to withstand Under Local Compression”	Shahadat Husain, S.S. Kushwaha	ISSN: 1934-7197	Jouranal of Engineeering, Computing and Architecture	Vol. 11, Issue 12, Dec. 2021
3.	“Mixed Aggregate Effect in Local Compression of Concrete”	Shahadat Husain, S.S. Kushwaha	ISSN: 1934-7197	Jouranal of Engineeering, Computing and Architecture	Vol. 11, Issue 12, Dec. 2021
4.	“Geotechnical Properties and Strength Characterization of Bauxite Residue”	D. Kishan, S.S. Kushwaha, N. Dindorkar	ISSN: 0976-6316	International Journal of Civil Engineering and Technology (IJCIET)	Vol. 8, Issue 7, July 2017, PP. 346-357
5.	“Prediction of Reservoir Induced Seismicity by Analytical Hierarchy Process and Regression Analysis”	Unnikrishnan Sreenivasan, D Kishan, S.K. Saritha, S.S. Khushwaha	http://dx.doi.org/10.12944/CWE.11.2.28	Journal of Current World Environment 2320-8031	Vol. 11(2), PP. 577-583 (2016)
6.	“Effect of Skirt Size and Pile Spacing on Bearing Capacity of Skrited Foundation in Granular Soil”	S.S. Kushwaha, N. Dindorkar	P-ISSN: 2348-6406	International Journal of Advance Engineering and Research Development [IAERD]	Vol. 1 (7), 2014, PP. 1-8
7.	“Strength and phyochemical characteristics of fly ash stabilized expansive soil for highway embankment”	S.S. Kushwaha D. Kishan, N. Dindorkar	ISSN 2277-3878	International Journal of Recent Technology and Engineering (IJRTE) (Scopus Indexed)	Volume-8 Issue-2, PP. 616-623 July 2019
8.	“Evolution of the geotechnical properties of fly ash stabilized silty soil activated by graphene oxide (GO)”	A. Pateriya, S.S. Kushwaha D. Kishan	ISSN 2277-3878	International Journal of Recent Technology and Engineering (IJRTE) (Scopus Indexed)	Volume-8 Issue-2, PP. 4732-4737 July 2019

LIST OF REVIEW IN INTERNATIONAL/NATIONAL JOURNALS

S. No.	Title of Paper	Authors	Name of Journal	Manuscript ID	Review Date
1.	“Assessing the effect of initial water content on the behaviour of lime-stabilized expansive soil”	Abdelmoumen-Alla-Eddin Driss, Khelifa Harichane, Mohamed Ghrici and Hamid Gadouri	Marine Georesources & Geotechnology (Taylor and Francis Group)	UGMT-2019-0400	17-Feb-2020
2.	“Electrokinetic stabilization of marine clayey soil using magnesium chloride solution: A green soil stabilizer”	Yongqiang Tang, Ningwei Wang, Feng Xuc, Da Teng and Xiaoming Cui	Marine Georesources & Geotechnology (Taylor and Francis Group)	UMGT-2020-0281	05-Dec -2020
3.	“Leaching assessment of cemented bauxite tailings through wetting and drying cycles of durability test”	Giovani Jordi Bruschi1, Carolina Pereira dos Santos, William Mateus Kubiaki Levandoski	Environmental Science and Pollution Research	ESPR-D-21-12293	10-Sept-2021

LIST OF PUBLICATIONS IN INTERNATIONAL/ NATIONAL CONFERENCES

S. No.	Title of Paper	Authors	ISBN/ISSN Number	International/National Conference	Year
1.	‘Evaluate the Environmental Impact of Fly Ash and Bio Enzyme Treated Black Cotton Soil to Allay the Leaching Problem’	S.S. Kushwaha D. Kishan, N. Dindorkar	Accepted	4th International Conference on Environmental Geotechnology, Recycled Waste Materials, and Sustainable Engineering, 2023 (Springer)	2023
2.	“Evaluation of Pile Spacing and Skirt Size on Bearing Capacity of Skirted Foundation on Uniform Sand Deposit”	S.S. Kushwaha, N. Dindorkar, L. Narayan	Accepted	2 nd International Conference on Recent Advances in Sustainable Environment, 2023 (Elsevier)	2023
3.	“Stabilization of Red Mud using Lime and Gypsum to Its Possible Use as Construction Material of Highway Embankment”	S.S. Kushwaha, D. Kishan, S.K. Gupta	Accepted	2 nd International Conference on Recent Advances in Sustainable Environment, 2023 (Elsevier)	2023
4.	“Geo-environmental Impact of Bauxite Residue Stabilized with Fly Ash and Gypsum to Mitigate the Leaching Problem”	D. Kishan, S.S. Kushwaha, N. Dindorkar	978-3-030-01929-7 https://doi.org/10.1007/978-3-030-01929-7_4	Geo-MEeast 2018: International Congress and Exhibition on geotechnical, geo-synthetics and infrastructures. Springer 2018	Volume 44 July 2018, pp. 44-56
5.	“Stabilization of expansive soil using eko soil enzyme for highway embankment”	S.S. Kushwaha D. Kishan, N. Dindorkar	2214-7853 https://doi.org/10.1016/j.matpr.2018.06.329	8th International conference on material testing and Characterization, Elsevier	Volume 5 (9), Part 3, pp. 19667-19779

					March 2018
6.	“Stabilization of Red mud using eko soil enzyme for highway embankment”	S.S. Kushwaha D. Kishan, M. S. Chauhan and S. Khetawath	2214-7853 https://doi.org/10.1016/j.matpr.2018.06.427	8th International conference on material testing and Characterization, Elsevier	Volume 5 (9), Part 3, pp. 20500-20512 March 2018
7.	“Stabilization of Red Mud by Lime and Gypsum and Investigating Its Possible Use in Geo-environmental Engineering”	S.S. Kushwaha, D. Kishan	9780784480144 https://doi.org/10.1061/9780784480144.097	Proceedings of Geo-chicago 2016: sustainable geo-environmental systems, Published by ASCE	GSP 271 pp. 978-988 August 2016
8.	“Evaluate the Environmental Impact of Red Mud Utilization and Explore the Means to Allay the Leaching Problem”	S.S. Kushwaha, D. Kishan	NCWES Proceeding	2nd two day national conference on water, environment & society (NCWES -2015) Hyderabad, India.	July 2015

LIST OF REVIEW IN INTERNATIONAL/ NATIONAL CONFERENCES

S. No.	Title of Paper	Authors	Name of Journal	Manuscript ID	Review Date
1.	“Effect of Span Length on the Doubly Optimized Prestressed Concrete Beams”	Ishan Jha and Krishna K. Pathak	International Conference on Recent Advancements in Civil Engineering	RACE2k22_paper_98	Sept. 2022
2.	“Numerical Simulation of Reinforced Granular Blanket Over Granular Pile Under Vertical Loading”	Himanshu Gupta, Jitendra Kumar Sharma and Ravikant S. Sathe	International Conference on Recent Advancements in Civil Engineering	RACE2k22_paper_97	Sept. 2022
3.	“Use of Fly Ash in Stabilization of Soil with Shrinkage and Swelling Properties”	Dhanesh Khalotia, Sarwar Imam, Shobhna Singh	International Conference on Recent Advancements in Civil Engineering	RACE2k22_paper_89	Sept. 2022
4.	“Use of Polyethylene and Cement Materials for Strengthening of Soils”	Dhanesh Khalotia, Prantik Sen, Deepak Chaturvedi	International Conference on Recent Advancements in Civil Engineering	RACE2k22_paper_86	Sept. 2022
5.	“Strengthening of Black Cotton Soil by Mixing Fly Ash Alkali Activator”	Dhanesh khalotia, Mohiuddin Ansari, Sarvesh Vyas	International Conference on Recent Advancements in Civil Engineering	RACE2k22_paper_84	Sept. 2022

LIST OF BOOK/BOOK CHAPTER

S. No.	Title of Book	Authors	ISBN/ISSN Number	Name of Journal	Page No. Volume Issue No. & Year
1.	“Stabilization of Expansive Soil Using Fly Ash and Bio-Enzyme”	S.S. Kuwasha, Kishan Dharavath, Nitin Dindorkar	ISBN: 978-620-5-49346-5	Lambert Academic Publication	October 2022

MEMBERSHIP OF PROFESSIONAL BODIES

S. No.	PROFESSIONAL BODY	Types of Membership	Membership Number	Year of Membership	Country
1.	Indian Geotechnical Society	Life Member	LM-5024	2021	India

COMPUTER SKILLS

- Basics knowledge of Computers
- Word, Excel, Power point etc.
- AutoCAD 2D and 3D
- Origin, MATLAB, Plaxis 2D/3D

ADMINISTRATIVE WORK AND MULTIFANS ACTIVITIES

- Master Trainer of Indian Knowledge System, in collaboration with IKS Div., Ministry of Edu. Govt. of India, New Delhi
- DRPC coordinator (Ph.D.) at Rabindranath Tagore University, Bhopal.
- Assistant Exam Coordinator at Rabindranath Tagore University, Bhopal.
- Selected as Technical Officer/C (Civil), at Raja Ramanna Centre for Advanced Technology, Indore, M.P., 2014
- Qualified Sub-Engineer Recruitment Test Result 2014, Selected for Sub-Engineer at Directorate, Urban Administration & Development, M.P., Bhopal.

AWARDS AND RECOGNITIONS

- Best teacher award for year 2022, Department of Civil Engineering, at Rabindranath Tagore University, Bhopal.
- GATE 2012 Qualified and get GATE Fellowship of MHRD Scheme, GOI at MANIT, Bhopal (2012-2014).
- GATE 2014 Qualified and get Ph.D. Fellowship of MHRD Scheme, GOI at MANIT, Bhopal (2014-2018). Also qualified GATE, 2018.
- 10th and 12th class Topper of my school.
- Get scholarship from MHRD in “Center Sector Scholar Scheme” (2008-2012).
- Get scholarship from M.P. Govt. in “Motivation for Sanskrit Language Scheme” 2006
- Recognizing the Talent, 2006, 2007 and 2008, Admiration Certificate.

PROFESSIONAL INTERESTS

- Geotechnical Engineering, Foundation Engineering
- Earthquake Engineering, Geo-environmental Engineering
- Strength of Material, Design of RCC and Steel Structures
- Surveying, Water Resources, Structural Analysis
- Fluid Mechanics, Hydraulic Structure

Details of the some of the most important information for the post of assistant professor are summarized as follows:

Teaching experience in Civil Engineering Department, MANIT, SAGE, RNTU Bhopal as An Assistant Professor, Teaching Assistant and Research of approximate 8 years 6 months and taught UG and PG Theory subjects and Lab Classes also.

- Published 15 Research Article and 3 Research Papers are communicating for possible publication.
- Assisted in Institute administration work like Assistant Exam Coordinators, DRPC Coordinator, Anti Ragging Committee, Scholarship Section, Organizing tour and take part in other different activities of MANIT and RNTU Bhopal.



Place: Bhopal

Signature of Candidate