

SHUBHAM SRIVASTAVA

DESIGNATION: LECTURER CIVIL

QUALIFICATIONS: M. TECH, B. TECH

EXPERIENCE: 10 YEARS

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**Research Interests:**

1. Concrete Technology
2. Seismic Designing/ Building Planning and Designing
3. Soil structure Interaction
4. Structural health monitoring
5. Building Maintenances and Retrofitting

Teaching Area: Building materials, Concrete technology, Reinforced Cement Concrete, Soil Mechanics, Quantity Surveying & Evaluation, Transportation Engg.

Publications:

S.No:	Title	Journal Name	Year	Month	Whether National/ International
1	A Review article on Non-Conventional Building Materials	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES)	2019	Feb	International
2	Transient Effect of Random Loads on Reinforced Cement Concrete Building	ECS Transaction	2021	-	International
3	SEISMIC ANALYSIS OF HIGH RISE BUILDING	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES)	2019	Feb	International

4	EXPERIMENTAL INVESTIGATION OF AUXETIC MATERIAL BY USING FIBRE RUBBERIZED CONCRETE	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES)	2019	Feb	International
5	Analysis and Design of College Building for Seismic force and Recommendation for Suitable Retrofitting	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES)	2018	June	International
6	DESIGN OF RIGID PAVEMENT FROM MATI TO SHRI RAMSWAROOP MEMORIAL UNIVERSITY, BARABANKI.	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES)	2019	Feb	International
7	Review on seismic analysis and design criteria of College Building for Seismic Force and Recommendation suitable Retrofitting	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES)	2018	July	International
8	Impact of Bhuj Earthquakes on G+7 building by the Time History Analysis and compare its results to Response Spectrum Method	Global Journal of Engineering Science and Researches (GJESR)	2018	July	International
9	Analysis of multistorey Building G+7 due to seismic loading using STADD PRO	International Journal of Creative Research Thoughts (IJCRT)	2018	April	International
10	USE OF WASTE PLASTIC IN ROAD CONSTRUCTION	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES)	2019	Feb	International

11	Replacement of fine aggregate and coarse aggregate with crushed concrete and expanded polystyrene in M25 Grade Concrete	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES)	2019	Feb	International
12	A REVIEW ON “RESPONSE SPECTRUM ANALYSIS OF G+7 MULTI STOREY BUILDING USING E-TAB”	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES)	2019	Feb	International
13	Study on Seismic Analysis of different structural changes of G+7 Building	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES)	2018	July	International
14	Analysis of crack identification in beam using finite element method	Global Journal of Engineering Science and Researches (GJESR)	2018	August	International
15	Determination of Hydrocarbon Contamination Soil Parameters as Predicted by Critical State Model	ECS Transaction	2021	-	International
16	Utilization of Waste Rubber Fiber Considering Modification in Strength Reduction and its Effect on The Behavior of Concrete	Materials Today Proceeding Elsevier	2020	JANUARY	International
17	Influence on Seismic Response Owing to the Variation in Size and Spacing of Building in a Building Cluster	Advances in Sustainability Science and Technology Springer	2021	-	International
18	Study of RC Framed Structure Using Push-Over Analysis	International Journal of Engineering Technology, Management and Applied Sciences (IJETMAS)	2017	May	International

19	A comparative study on Static and Dynamic Analysis of High Rise Building with and without Open Ground Storey	International journal of engineering, technology, science and research IJETSR	2017	May	International
20	Analysis of Multi-storey Building (G+7) due to Seismic Loading Using ETABS and compare its results with STAAD Pro	Journal of Emerging Technologies and Innovative Research(JETIR)	2018	July	International
21	Studies on workability of cement and aggregate and comparison on various codal provision	INTERNATIONAL JOURNAL FOR RESEARCH & DEVELOPMENT IN TECHNOLOGY	2015	July	International
22	Studies on Partial Replacement of Cement by Bagasse Ash in Concrete	International Journal for Innovative Research in Science & Technology (IJIRST)	2015	August	International
23	Studies on workability of cement and aggregate	INTERNATIONAL JOURNAL FOR RESEARCH & DEVELOPMENT IN TECHNOLOGY	2015	July	International
24	A Comparative study on commercially available Water Reducing Agent for use of production of High grade Concrete	INTERNATIONAL JOURNAL FOR RESEARCH & DEVELOPMENT IN TECHNOLOGY	2015	August	International
25	Studies on Behavior of Cement Concrete by Part Replacement of Aggregate by Water Absorbing Foam	International Journal for Scientific Research & Development (IJSRD)	2015	June	International

Conference:

1	Stimulating the Assembly Size on Seismic Response of Building Clusters Using Plaxis	International Conference on Advances in Construction Materials and Structures, USA (ICCMS-2021)	2021	-
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2	OPTIMIZATION OF REINFORCED CONCRETE CANTILEVER RETAINING WALL USING PARTICLE SWARM OPTIMIZATION	International Conference on Multidisciplinary Aspects of Materials in Engineering (IC MAME) 2021	2021	October
3	Analyse the effect of Soil Structure Interaction on Seismic Response of Building Cluster by Variation in Soil and Building Properties	International Conference on Mechanical and Energy Technologies ICMET	2021	-
4	Examining the Applicability of Micro-pile for Bridge Foundation in Difficult Terrain using Pile Load Test	International Conference on Innovative Trends in Civil Engineering for Sustainable Development (ITCSD - 2019)	2019	September
5	Design Mix and Improvisation of Pervious Concrete by Modification in Property of Materials suitable for Urban Roads	SECOND ASCE INDIA CONFERENCE (CRSIDE)	2020	March
6	AN EXPERIMENTAL STUDY ON MICROPILE FOUNDATION IN BRIDGE CONSTRUCTION	Euroscicon - International Conference on Structural and Civil Engineering Research	2018	October
7	Study of Seismic Performance of High Rise Building with Open Ground Storey	International Conference on Emerging Trends in Civil Engineering (ICETCE – 2016)	2016	October
8	Review of Problems associated with High Rise Buildings in Metropolitan City	International Conference on Emerging Trends in Civil Engineering (ICETCE – 2016)	2016	October
9	Utilization of Waste Rubber Fiber Considering Modification in Strength Reduction Factor and its Effect on the Behavior of Concrete	International Conference on Mechanical and Energy Technologies (ICMET) 2019	2019	November
10	A comparative study on Static and Dynamic Analysis of High Rise Building with and without Open Ground Storey	International Conference on New Frontiers of Engineering, Science, Management and Humanities (ICNFESMH – 2017)	2017	may
11	Study of RC Framed Structure Using Push- Over Analysis	International Conference on New Frontiers of Engineering, Science, Management and Humanities (ICNFESMH – 2017)	2017	May
12	Design of micro piles for bridge foundations in Leh-Laddakh Region, India	International Academic Conference on Engineering, Technology and Innovations (IACETT)	2018	August

13	A Review article on Non-Conventional Building Materials	International Conference on Modern Trends in Civil Engineering (ICMTCE)	2019	Feb
14	EXPERIMENTAL INVESTIGATION OF AUXETIC MATERIAL BY USING FIBRE RUBBERIZED CONCRETE	International Conference on Modern Trends in Civil Engineering (ICMTCE)	2019	Feb
15	Replacement of fine aggregate and coarse aggregate with crushed concrete and expanded polystyrene in M25 Grade Concrete	International Conference on Modern Trends in Civil Engineering (ICMTCE)	2019	Feb
16	A REVIEW ON “RESPONSE SPECTRUM ANALYSIS OF G+7 MULTI STOREY BUILDING USING E-TAB”	International Conference on Modern Trends in Civil Engineering (ICMTCE)	2019	Feb
17	DESIGN OF RIGID PAVEMENT FROM MATI TO SHRI RAMSWAROOP MEMORIAL UNIVERSITY, BARABANKI.	International Conference on Modern Trends in Civil Engineering (ICMTCE)	2019	Feb
18	USE OF WASTE PLASTIC IN ROAD CONSTRUCTION	International Conference on Modern Trends in Civil Engineering (ICMTCE)	2019	Feb
19	SEISMIC ANALYSIS OF HIGH RISE BUILDING	International Conference on Modern Trends in Civil Engineering (ICMTCE)	2019	Feb

Training:

1	Testing of latest Civil Engineering Materials	ICT MODE	01-05 AUG. 2022	NITTTR CHANDIGARH
2	Structural Design with STAAD PRO		19-23 SEP. 2022	
3	Social Economic Cultural and Human Values in Present Scenario	IRDT Kanpur	12 -16 SEP 2022	IRDT Kanpur
4	Selection of Camera Shots and editing for Quality Video Production	NITTTR CHANDIGARH	21-25 NOV. 2022	NITTTR CHANDIGARH
5	Low Cost Housing	online	13-17 March 2023	NITTTR CHANDIGARH
6	Smart Cities Infrastructure and Sustainability	Online Mode	24/05/21-28/05/21	IIT Ropar AICTE Atal

7	Inculcating Universal human Values in Technical Education	31/05/21-04/06/21	AICTE
8	MATLAB Application in Civil Engineering	26/07/21-30/07/212	NITTTR CHANDIGARH
9	NBA Accreditation	27/09/21-29/09/21	NITTTR CHENNAI
10	Induction Training for Newly Recruited teachers	27/09/21-01/10/21	IRDT Kanpur
11	Innovation in Concrete: Testing and Application and Green Building materials	13/12/21-17/12/21	IRDT Kanpur

PATENTS

- Indian Patent titled “*Virtual reality-based skill development system for construction workers*” in 2021 (No.202141033595 A).
- German patent titled “*Smart System for meeting minute generation using artificial intelligence and machine learning*” (Utility model no20 2022 101 249)
- Indian Patent titled “Method and Process Labor Resource Management And Utilization System” (No. 202211035921)

RESEARCH AND CONSULTANCY WORKS

- **Principal Investigator for the consultancy project- Entitled isotopic/hydro geological study of 1x660MW PTPS, District Kanpur, Uttar Pradesh.** It includes Surface and Ground Water Quality around ash pond and to construct piezometers for monitoring of groundwater levels and groundwater sampling.
- **Structural Design** of Meeting Hall for **Commissioner Office Campus at Faizabad.**
- **Structural Design and detailing** of a shed (19m x 44m) in Gonda (U.P.) **using STAAD Pro software.**

WORKSHOPS/SEMINAR

- Attended Short term course on **Limit State Design of Steel Structures (LSDSS-2016)** from **October 11-16, 2016** at **MNNIT, Allahabad.**
- Attended **4 Faculty Development Programs (FDP)** in **2015, 2016, 2017 and 2018** at **SRMU, Lucknow.**
- Attended Short term course on QIP short term course “**Mathematical Modelling and Analysis on Continuum Mathematics**” at Department of Mathematics Sciences, **IIT BHU, Varanasi (U. P.) during September 09-15, 2019.**
- Attended a seminar/workshop on **Application of Technical Terminology in Science and Technology** during **23-24 Oct’ 2019** at Shri Ramswaroop Memorial University Lucknow-Dewa Road funded by **MHRD**

REVIEWER

- Reviewer for **Selected Scientific Paper – Journal of Civil Engineering**
- **Techno-Press.**
- **The Open Civil Engineering Journal**
- **Journal IJCRT (International Journal of Creative Research Thoughts)**

ACHIEVEMENTS

- Young Researcher Award in **Global Education and Research Award in 2022.**
- Award for Moderating at the “International Conference on Structural and Civil Engineering Research” in **Eurosicon in 2018.**
- Authored a book entitled as “**100 Field Solutions in Civil Engineering**” published by **Khanna Publishers** with ISBN 939254900-8
- Authored a book entitled as “**Study on Micro-pile in bridge Construction**” in **Scholar Press** a European Publication with ISBN 978-613-8-51570-8. <https://diebuchsuche.at/buch-isbn-9786138515708.html>
- **Member of Institution of Civil Engineers (India).**
- **Organizing Secretary of ICMTCE-2019** (International Conference on Modern Trends in civil Engineering)
- **Member of Editorial Board** of International Journal of Engineering Education (IJEE).
- **RMS Membership** of Journal IJCRT (International Journal of Creative Research Thoughts) ISSN:2320-2882.
- Engaged as an **Expert Panel Member** in the interview for **JE (Civil), Uttar Pradesh Rajya Vidyut Utpadan Nigam Ltd.**
- Faculty coordinator for AIT Education Camp and Study Tour at **Asian Institute of Technology (AIT), Bangkok, Thailand.**