



Dr. Bhavesh Joshi Serves Gateway College of Architecture & Design, Gateway Education as an Associate Professor- Structures. He is graduated in civil engineering & post-graduation in Structural Engineering Specialization from Maharana Pratap university of Agriculture & Technology, Udaipur. He has also completed his Ph.D. from Amity University Rajasthan, Jaipur. He is in teaching profession for more than 09 years. He has published more than 20 research papers in reputed journals along with the 2 books publications and 4 granted patents. His main area of interest includes waste to value, sustainable materials, Earthquake resistant Structures, Construction and technology Etc. He possessed significant research followers through Google Scholar and Research Gate. He has also worked as an Assistant Professor- Structures in the department of Architecture & Planning at the Amity University Rajasthan, Jaipur, Nims University Rajasthan, Jaipur and Career Point University, Kota, Rajasthan. He is also having the exposure of industry to work with Larsen & Toubro ECC Division, Wonder Cement Works as a Site Engineer.

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Google Scholar ID: <https://scholar.google.co.in/citations?user=cBIq14sAAAAJ&hl=en&oi=ao>

WORKSHOPS/ SEMINARS/ WEBINARS/ CONFEEENCES ATTENDED/PRESENTED

Participated in two days “ALL INDIA WORKSHOP ON NATIONAL BUILDING CODE 2005 ” organized jointly by “THE INSTITUTION OF ENGINEERS” (INDIA), Udaipur Local Centre, and BUREAU OF INDIAN STANDARDS at Udaipur on 5th& 6th September, 2009.

Presented a paper entitled “EXPERIMENTAL EVALUATION OF BEARING CAPACITY OF SKIRTED FOOTING”. At international conference on recent innovations in engineering & technology (ICRIET) held at MACERC, JAIPUR, INDIA on 18th-19th February, 2017.

Presented a paper entitled “COMPARATIVE ANAYLSIS OF PROPERTIES OF CONVENTIONAL CONCRETE & LIGHT WEIGHT CONCRETE MIXED WITH BRICK AGGREGATE ”.At national conference on innovative trends in civil engineering, (NCITCE) held at poornima university, JAIPUR, INDIA on 13th-14th April, 2018.

Participated in one day “INTERNATIONAL SEMINAR ON DESIGN OF CANTILEVER SHEET PILE WALLS” held on 16th April 2018 at GITS Udaipur.

Organized two days International Conference on “Sustainability in Planning. Architecture, Technology and Engineering” (SPATE- 2nd Edition 31st Jan- 1st Feb. 2019) at Amity University Rajasthan, Jaipur.

Participated in five days Faculty Development Program on “Future Developments in Civil Engineering” organized by School of Civil and Environmental Engineering, Anand International College of Engineering, Jaipur, held on 6th Feb.- 10th Feb. 2023.

Organized Five days Faculty Development Program on “Localization of SDG 11 for Indian cities & communities” conducted by Amity School of Architecture and Planning, Amity University Rajasthan, Jaipur held on 3rd Jan- 7th Jan 2022.

RESEARCH PAPER PUBLISHED IN JOURNALS/CONFERENCE

“Pavement design by using geotextile” in Int. Journal of civil engineering & technology with Dr. R.P. Arora (Associate Professor & Head of Udaipur Govt. college)

“Experimental evaluation of bearing capacity of skirted footings” in Int. Journal of engineering science & computing (IJESC) with Dr. R.P. Arora (Associate Professor & Head of Udaipur Govt. college)

“Impact of horizontal alignment on traffic flow characteristics of national highway 76” in int. journal of engineering science & computing (Udaipur to bhatewar, india) with Tiza Michale student of M.Tech Transportation in Career Point University, Kota (Raj)

“Comprehensive study of Precipitation & Evaporation of New Delhi” in int. journal of engineering science & computing with diksha sharma, Ayushi Vijay & Yogesh Chandra Rajput. Students of B.Tech (Civil) in career point university, Kota (Raj).

“Comparative analysis of properties of conventional concrete & light weight concrete mixed with brick aggregates” in international journal of current engineering & technology with shahnawaz Ansari assistant professor of civil engineering department, amity university, Jaipur (Raj).

“Research on seismic behavior of composite steel concrete moment frames” in international journal of current engineering & technology with shahnawaz Ansari assistant professor of civil engineering department, amity university, Jaipur (Raj).

“Compatibility between various super plasticizers and Portland pozzolona cements” in international journal for scientific research & development with shahnawaz Ansari & shailendra kumar amity university, Jaipur (Raj).

“Bio-inspired built environments for climate change: developing strategies for adaptation and mitigation” in International Journal of civil engineering & technology with Ar. Pratheek sudhakaran, Dr. jitendra singh & Ar. Shailendra kumar at amityuniversity, Jaipur (Raj).

“Application of small scale renewable energy techniques in traditional building of Jaipur” in International Journal of civil engineering & technology with Mrs. Vibha upadhyaya, Ar. Pratheek sudhakaran, Ar. Anjani kumar shukla & Ar. Shailendra kumar at amity university, Jaipur (Raj).

“Impact of ‘Socio Cultural Built Enviornment’ in Creating Sustainable High Rise Housings” in Journal of Emerging Technology and Innovative Research with Ar. Nishant Saxena and Ar. Shailendra Kumar at Amity University Rajasthan, Jaipur (Raj).

“Sustainability of Concrete and Structures” in in Journal of Emerging Technology and Innovative Research with Ar. Nishant Saxena and Dr. Yash Agrawal at Amity University Rajasthan, Jaipur (Raj).

“Study of Traffic Volume and its Safety Measurement at Dadabari Circle, Career Point University, Kota” in International Journal of Current Engineering and Technology with Raj pratap Singh and Dr. Pratheek Sudhakaran at Career Point University and Amity University Rajasthan, Jaipur.

“Performance Simulation and Validation of Climate Adaptive Dynamic Facades in Campus Buildings” in International Journal of Advanced Research in Engineering and Technology (IJARET) with Dr. Pratheek Sudhakaran, Gazal Dandia, Ishani Gogoi and Shailendra Kumar at Amity University Rajasthan, Jaipur.

“The Construction of a Green School: an Interactional Multidisciplinary Perspective” in International Journal of Applied Engineering Research with Dr. Pratheek Sudhakaran and Dr. Jitendra Singh at Amity University Rajasthan, Jaipur.

“Utilization of Carbon Sequestration Technique use as a Valuable Resource in Production of Building Materials” in Design Engineering with Dr. Pratheek Sudhakaran and Dr. Anurag Varma at Amity University Rajasthan, Jaipur.

“Applicability of Inspirations from Nature and Wisdom from Vernacular Architecture in Synergy with AI for Design of Sustainable Buildings” in International Journal of Recent Technology and Engineering (IJRTE) with Ar. Gaurav Singh and Ar. Manoj Kumar and Ar. Shailendra Kumar at NIT Patna & Amity University Rajasthan, Jaipur.

“Utilization of Waste from the Construction Industry to Use it as a Valuable Resource: A Review” in International Journal of Advanced Science and Technology with Dr. Pratheek Sudhakaran, Ar. Rakesh Kumar and Ar. Ishani Gogoi at Amity University Rajasthan, Jaipur.

“Performance Simulation and Validation of Climate Adaptive Dynamic Facades in Campus Buildings” in International Journal of Advanced Science and Technology with Dr. Pratheek Sudhakaran, Ar. Rakesh Kumar and Ar. Ishani Gogoi at Amity University Rajasthan, Jaipur.

“Alternative and integrated method to design of Gated communities” in International Journal of Multidisciplinary Research and Growth Evaluation with Ar. Ishani Gogoi, Ar. Rakesh kumar and Ar. Nishant Saxena at Amity University Rajasthan, Jaipur.

“Partial replacement of cement and fine aggregate in mortar material by using Carbon Sequestration Technique” in Materials Today Proceedings (Elsevier) with Dr. Pratheek Sudhakaran, Manish Varma, Shailendra Kumar, Akash Sharma and Ankita Saxena at GLA University, Mathura.

“Study of impact in bituminous mix using crushed waste glass” in Materials Today Proceedings (Elsevier) with G. Prabhakaran, Saddam Musa Patvegar, et. Al. at GLA University, Mathura.

BOOKS/BOOK CHAPTERS PUBLISHED

“Surveying Vol. II” in Scientific International Publishing House with Dr. Yash Agrawal and Er. Ronak Parikh ISBN: 978-93-94002-18-0 in Feb. 2022.

https://isbn.gov.in/Recently_Published_Books.aspx).

“*Estimation and Costing Vol.II*” in Scientific International Publishing House with Dr. Yash Agrawal and Ar. Ishani Gogoi ISBN: 978-93-94002-07-4 in Jan. 2022.

https://isbn.gov.in/Recently_Published_Books.aspx)

PATENT GRANTED/PUBLISHED

Title of Invention: (Patent Filed & Published): “*Smart Road construction techniques guided by artificial intelligence with the automated traffic density withstanding stability*” (Application No. 202241042297A) Published on 29th July 2022.

Title of invention: (Patent Filed & Granted): “*Hydraulic Machine with sensors and internet connectivity to safeguard against natural disasters*” (Design No. 6329030) U.K. Design Grant on dated: 6th December 2023.

Title of Invention: (Patent Filed & Granted): “*Digital Concrete Edge Trowel*” (Design No. 404086-001), Indian Design Grant, Government of India on dated 9th January 2024

Title of invention: (Patent Filed & Granted): “*Concrete Durability Testing Device*” (Design No. 402936-001), Indian Design Grant, Government of India on dated 23rd December 2023.