

Dr. Akhilesh Das Gupta Institute of Technology & Management
Department of Civil Engineering
Publications by Students

S. No.	Name of Authors	Publication	Journal/Conference	Year
1	Akshay pal, Bhanu aggarwal, Nishant kumar, Nishant kumar Gautam	Banana Fiber Reinforced Concrete	International Journal for Research in Applied Science & Engineering Technology (IJRASET), (International Peer Reviewed and Refereed Journal), Volume 11, Issue VI, June 2023	2023
2	Dhruv Shakya, Krishna Dwivedi, Lakshay Mishra, Sourabh Sharma, Pulkit Shokeen	Study on Bitumen Modified with Crumb Rubber and PVC	International Journal for Research in Applied Science & Engineering Technology (IJRASET), (International Peer Reviewed and Refereed Journal), Volume 11, Issue VI, June 2023	2023
3	Shekhar Sharma, Anil Kumar, Sahil Yadav and Shivam Kumar kashyap	Effect of admixtures (Flyash and Superplasticizers) on performance of concrete	International Journal for Research in Applied Science & Engineering Technology (IJRASET), (International Peer Reviewed and Refereed Journal), Volume 11, Issue VI, June 2023	2023
4	Raman Kashyap , Ravi Ranjan Kumar	Evaluating the Effectiveness of Energy-Efficient Design Strategies in Achieving Net Zero Energy Building through Reduced Energy Consumption	International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538 Volume 11 Issue III Mar 2023	2023
5	Labhay Singhal, Luv Grover, Vibhanshu Kumar, Aarushi Gupta	Seismic Behaviour of RCC Buildings with and Without Floating Columns	INTERNATIONAL E-CONFERENCE ON SUSTAINABLE DEVELOPMENT AND RECENT TRENDS IN CIVIL ENGINEERING, ICSDRT-2022, ISBN NO: 978-93-5593-431-4	2022

6	Ayush Sharma, Vishaam Sharma, Aditya Chaudhary, Varun Goyal, Udit Kashyap, Aashish Malik	Earthquake Analysis of Regular and Irregular Structures for all Soil Type in Seismic Zone V	INTERNATIONAL E-CONFERENCE ON SUSTAINABLE DEVELOPMENT AND RECENT TRENDS IN CIVIL ENGINEERING, ICSDRT-2022, ISBN NO: 978-93-5593-431-5	2022
7	Jaskaran Singh Dhillon, Aakash R. Nair, Ishant Jain, Pankaj Sharma, Aayush Mishra	Comparative Study On Design Of Steel Structures And RCC Frame Structures Based On Column Span	INTERNATIONAL E-CONFERENCE ON SUSTAINABLE DEVELOPMENT AND RECENT TRENDS IN CIVIL ENGINEERING, ICSDRT-2022, ISBN NO: 978-93-5593-431-6	2022
8	Arun Baby, Karan, Paanshul, Ritik	Investigating Cementitious Property of Calcined Clay as a Partial Replacement of Cement	INTERNATIONAL E-CONFERENCE ON SUSTAINABLE DEVELOPMENT AND RECENT TRENDS IN CIVIL ENGINEERING, ICSDRT-2022, ISBN NO: 978-93-5593-431-8	2022
9	Sukant Mallik, Ujjawal Darp, Sushant Nath, Vishnu Pore, Umang Upadhyay	Life Cycle Analysis in Construction Industry	INTERNATIONAL E-CONFERENCE ON SUSTAINABLE DEVELOPMENT AND RECENT TRENDS IN CIVIL ENGINEERING, ICSDRT-2022, ISBN NO: 978-93-5593-431-9	2022
10	Keshav Gupta, Raj Roshan, Jatin Kashyap, Ashu dagar	Assessment of Water Quality Parameters of Bhalaswa Lake and Yamuna River (Delhi)	INTERNATIONAL E-CONFERENCE ON SUSTAINABLE DEVELOPMENT AND RECENT TRENDS IN CIVIL ENGINEERING, ICSDRT-2022, ISBN NO: 978-93-5593-431-10	2022
11	Pushpraj Srivastava, Divyam Kumar, Pawan Saini, Abhishek Tayal, Mr Lalit Singh	Effect of saline water on reinforced steel and its preventive measures	INTERNATIONAL E-CONFERENCE ON SUSTAINABLE DEVELOPMENT AND RECENT TRENDS IN CIVIL ENGINEERING, ICSDRT-2022, ISBN NO: 978-93-5593-431-11	2022
12	Shreya Sinha, Dhiren Sagar, Riya Ranjan, Rudransh Bagri, Harish, Anand Singh	Artificial neural network for predicting compressive strength of green concrete.	INTERNATIONAL E-CONFERENCE ON SUSTAINABLE DEVELOPMENT AND RECENT TRENDS IN CIVIL ENGINEERING, ICSDRT-2022, ISBN NO: 978-93-5593-431-12	2022

13	Ifham Khan, Vaibhav Kumar Vaish	Assessment Of Particulate Matter	INTERNATIONAL E-CONFERENCE ON SUSTAINABLE DEVELOPMENT AND RECENT TRENDS IN CIVIL ENGINEERING, ICSDRT-2022, ISBN NO: 978-93-5593-431-13	2022
14	Deepanshu Saini, Abhay Giri, Shivam Bansal	Effect of Waste Tyre Rubber in the Concrete	INTERNATIONAL E-CONFERENCE ON SUSTAINABLE DEVELOPMENT AND RECENT TRENDS IN CIVIL ENGINEERING, ICSDRT-2022, ISBN NO: 978-93-5593-431-14	2022
15	Abhishek Silswal, Aman Rawat, Gaurav Kumar Divyansh Tawra	Investigating The Effect of Various Fibers In Geopolymer Concrete	INTERNATIONAL E-CONFERENCE ON SUSTAINABLE DEVELOPMENT AND RECENT TRENDS IN CIVIL ENGINEERING, ICSDRT-2022, ISBN NO: 978-93-5593-431-15	2022
16	Ashish Kumar, Deepak Singh, Niruj Sudhakar, Ajay, Md Saquib Akhter	Performance Evaluation of Agricultural Waste-Based Self Compacting Concrete	INTERNATIONAL E-CONFERENCE ON SUSTAINABLE DEVELOPMENT AND RECENT TRENDS IN CIVIL ENGINEERING, ICSDRT-2022, ISBN NO: 978-93-5593-431-16	2022
17	Shambhavi Trivedi	Particulate Matter forecasting using Neural Networks.	International Conference (Springer), 10th world Congress on Information and communication technologies, WICT, 2020	2020
18	Ms. Vaishali Gupta, Mr. Bobby Swaraj, Mr. Devanshu Sharma, Mr. Divyanshu, Mr. Dushyant Upadhyay	To study the modifications in bituminous concrete mix using plastic waste and rubber	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
19	Ms. Shikha Sachan, Mr. Siddharth Singh, Mr. Sujan Dev Negi, Mr. Vicky Meena, Mr. Shubham Gulzar	Stabilisation of soil using geo-textile fibre	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
20	Mr. Aashish Malik, Mr. Dharendra Mani Rai, Mr. Gaurav, Mr. Ayush Goyal	The Optimum Spacing of Sub-Surface Drain Below Permeable Pavement	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020

21	Mr. Vikas Kataria, Ms. Vaishali Gupta, Mr. Shubham Singhal, Ms. Vrishti Upadhyay, Mr. Priyanshu Jain, Mr. Shubham	To reduce the density of concrete using thermocol beads and recron 3S fibre to make it float	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
22	Ms. Riya Bhandari , Mr. Kartik Chabhra, Mr. Ashish Dabas, Mr. Shubham Bharti, Ms. Maninder Kaur, Ms. Tarushi Singh	Air quality assessment in New Delhi through Air Quality Indexing using HYSPLIT	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
23	Ms. Aarushi Gupta, Mr. Vikas Kataria, Ms. Riya Bhandari , Mr. Ashish Dabas, Mr. Shubham Bharti	To analyse two storey building using E-Tabs and to provide comparative study of results from Etabs with manual designing results	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
24	Mr. Ankit Yaduvanshi, Mr. Sanyam Shukla, Mr. Deepak Kumar, Mr. Tsetan Namgyal, Mr. Pushpender Kumar	Utilization of food waste to energy conversion: An approach to cleaner technology	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
25	Mr. Shanu Jain, Mr. Akhil Tanwar, Mr. Yash Mugrai, Mr. Sunny Yadav	To study bonds between recycled aggregate concrete and deformed steel bar	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
26	Mr. Yash Mohan, Mr. Hemant Chaudhary, Mr. Aman Kumar, Mr. Himanshu Verma, Ms. Vaishali Gupta	Study of modified bitumen by using sasobit wax	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
27	Mr. Tarun Gaur, Mr. Saksham Tyagi, Mr. Suyash Goyal, Mr. Yash Gupta	To investigate concrete properties in M30 design mix by partial replacement of sand by Iron Dust in concrete	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
28	Mr. Jasveer Singh, Mr. Kishor, Mr. Mayank Goyal, Mr. Nitul Prajapati, Ms. Aditi Yadav	Simulation of discharge and quality standard check of Najafagarh Drain	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
29	Mr. Shubham Singhal, Ms. Vrishti Upadhyay, Mr. Shubham, Mr. Priyanshu Jain, Mr. Ankur Tayal	Design of Eco-friendly bricks	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020

30	Mr. Shanu Jain, Mr. Akhil Tanwar, Mr. Yash Mugrai, Mr. Sunny Yadav, Mr. Aashish Malik	To enhance the conventional properties of bitumen mix by using Crumb Rubber	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
31	Mr. Ankit Yaduvanshi, Mr. Suyash Goyal, Mr. Yash Gupta, Mr. Tarun Gaur, Mr. Saksham Tyagi	Use of bottom ash from waste to-energy plants towards a sustainable environment	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
32	Mr. Rishabh Kumar, Mr. Sumit Kumar Choudhary, Mr. Yogesh Kumar Meena, Mr. Christo G Mathew	A Study of Strength Characteristics by Inducing Bacteria in Concrete	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
33	Mr. Sanyam Shukla, Mr. Deepak Kumar, Mr. Pusphendra Kumar, Mr. Tsetan Namgyal, Mr. Vikas Kataria	To study the properties of pervious concrete by partial replacement of natural aggregates by recycled concrete aggregates	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
34	Mr. Suraj Jha, Mr. Sukanto Mette, Mr. Ravi Yadav, Mr. Shubham Kanoji, Mr. Ankur Tayal	To study the variation in workability and strength of concrete by water addition using various techniques	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
35	Mohammed Wasim, Mr. Matin Ahmed, Ms. Akansha Singh, Ms. Ankita Singh, Mr. Vikas Kataria	Study of strength of RCC beam by reducing the material in tensile zone	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
36	Mr. Ashish Thakur, Mr. Archit Garg, Mr. Anupam Dutt, Ms. Priyanka Mukesh	Design and analysis of urban area water distribution scheme using watergems software	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
37	Mr. Mohd. Shahnawaz Raza, Mr. Pritesh Srivastava, Mr. Rohit Singh, Mr. Neeraj Gupta, Ms. Vaishali Gupta	To study the properties of Bitumen modified using LDPE and SBS	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
38	Mr. Abhilash Kumar, Mr. Akshay Tyagi, Mr. Harsh Singla, Mr. Himanshu Saini, Mr. Vikas Kataria, Ms. Shikha Sachan	Evaluating the properties of bricks using C&D waste	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020

39	Mr. Keshav Thakur, Mr. Abhishek, Mr. Khushi Ram Sharma and Mr. Anshul Aggarwal	To study the effect of sugarcane bagasse ash on geotechnical properties of soil	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
40	Mr. Krishna Kant Gupta, Mr. Suraj Vadshah , Mr. Saurabh, Mr. Rishabh Kumar , Ms. Tarushi Singh , Mr. Ankit Yaduvanshi	GIS based approach for Noise Mapping - a case study of New Delhi	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
41	Mr. Abhishek Kumar, Mr. Aniket Aggarwal, Mr. Dhananjay Gaur, Mr. Fahim Ahmad Khan, Mr. Vikas Kataria	Experimental Study of Soil Stabilisation By Using Vetiver Grass	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
42	Mr. Animesh Sinha, Mr. Jai Vardhan Jha, Mr. Dipesh, Mr. Shubham	To study the effects of graphite on the properties of Bitumen Mix	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
43	Mr. Dhruv, Mr. Hitesh Goel, Mr. Abhishek Sagar, Mr. Ketan Singh	To study the treatment of seepage in brick	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
44	Mr. Abhishek, Mr. Neeraj Kumar, Mr. Abhineet Singh, Mr. Rishabh Chauhan	Comparative analysis on chemical composition of Bentonite Clay as a binding material	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
45	Mr. Dushyant Upadhyay, Mr. Bobby Swaraj, Mr. Devanshu Sharma, Mr. Divyanshu, Mr. Ankur Tayal	Comparative Study of Fly Ash Bricks made using Jute and Banana Fiber	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
46	Mr. Jatin Gola, Mr. Anubhav Kalshan, Mr. Aman Kumar, Mr. Aniket Pratap Singh	An assessment of urban environmental issues using remote sensing and GIS techniques an integrated approach: a case study of Delhi, India	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020
47	Mr. Pravesh Rawat, Mr. Faisal Farooq, Mr. Tarun, Mr. Manohar Kumar, Mr. Saurabh	To investigate concrete properties by partial replacement of cement by paper sludge in M25	National E-Conference on Recent Trends in Science and Technology (NECRAST 2020)	2020

48	Rohan Garg, Karan Arora, Alind Sharma, Ripin Singh	“Construction of Hollow Reinforced Concrete Block”	International Research Journal of Engineering and Technology (IRJET), Volume: 06 Issue: 05	2019
49	Disha Saikia, Porus Rana, Akash, Lekh Raj	Study on Mechanical Properties of Steel Fibre Reinforced Concrete	International Research Journal of Engineering and Technology (IRJET), Volume: 06 Issue: 05	2019
50	Rohan Garg, karan Arora, Alind Sharma, Ripin Singh	To Study the Impact of Crumb Rubber on Young’s Modulus of Concrete	International Research Journal of Engineering and Technology (IRJET), Volume: 06 Issue: 05	2019
51	Prashant Verma, Abhi verma , Atul negi , Abhishek kayasth	“Compressive Strength of Fly Ash Bricks”	International Research Journal of Engineering and Technology (IRJET), Volume: 06 Issue: 05	2019
52	Dheeraj Sharma, Varun Yadav, Shubhanshu, Manvendra Sharma	“Stabilization of Soil by Foundry Sand Waste with Fly-Ash”	International Research Journal of Engineering and Technology (IRJET), Volume: 05 Issue: 05	2018
53	Geet Shivdasani, Shubham Sharma, Yash Sharma	“Soil Stabilization Using Powdered Glass”	International Research Journal of Engineering and Technology (IRJET), Volume: 05 Issue: 05	2018