

# Sandeep Singh

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

577  
citations

759055

12  
h-index

642610

23  
g-index

37  
all docs

37  
docs citations

37  
times ranked

184  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical Strength Enhancement of 3D Printed Acrylonitrile Butadiene Styrene Polymer Components Using Neural Network Optimization Algorithm. <i>Polymers</i> , 2020, 12, 2250.	2.0	79
2	Taguchi S/N and TOPSIS Based Optimization of Fused Deposition Modelling and Vapor Finishing Process for Manufacturing of ABS Plastic Parts. <i>Materials</i> , 2020, 13, 5176.	1.3	69
3	Compromising situation of India's bio-medical waste incineration units during pandemic outbreak of COVID-19: Associated environmental-health impacts and mitigation measures. <i>Environmental Pollution</i> , 2021, 276, 116621.	3.7	66
4	Optimization of FFF Process Parameters by Naked Mole-Rat Algorithms with Enhanced Exploration and Exploitation Capabilities. <i>Polymers</i> , 2021, 13, 1702.	2.0	52
5	Strength properties and durability of clay soil treated with mixture of nano silica and Polypropylene fiber. <i>Materials Today: Proceedings</i> , 2020, 26, 3449-3457.	0.9	47
6	Assessing the Applicability of Photocatalytic-Concrete Blocks in Reducing the Concentration of Ambient NO <sub>2</sub> of Chandigarh, India, Using Box-Behnken Response Surface Design Technique: A Holistic Sustainable Development Approach. <i>Journal of Chemistry</i> , 2021, 2021, 1-12.	0.9	35
7	Multi-Objective Optimization of WEDM of Aluminum Hybrid Composites Using AHP and Genetic Algorithm. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 8031-8043.	1.7	30
8	A Systematic Review on the Performance Characteristics of Sustainable, Unfired Admixed Soil Blocks for Agricultural and Industrial Waste Management. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-19.	1.0	30
9	Effects of Elevated Temperature on the Residual Behavior of Concrete Containing Marble Dust and Foundry Sand. <i>Materials</i> , 2022, 15, 3632.	1.3	23
10	Optimization of FDM Printing Process Parameters on Surface Finish, Thickness, and Outer Dimension with ABS Polymer Specimens Using Taguchi Orthogonal Array and Genetic Algorithms. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-13.	0.6	19
11	Preference Index of Sustainable Natural Fibers in Stone Matrix Asphalt Mixture Using Waste Marble. <i>Materials</i> , 2022, 15, 2729.	1.3	16
12	An assessment of water footprint for irrigated rice in Punjab. <i>Journal of Agrometeorology</i> , 2021, 23, 21-29.	0.2	13
13	Effect of Gradation and Morphological Characteristics of Aggregates on Mechanical Properties of Bituminous Concrete and Dense Bituminous Macadam. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2022, 46, 293-307.	1.0	12
14	Blasius and Sakiadis flow of a Casson hybrid nanofluid over a moving plate. <i>Waves in Random and Complex Media</i> , 0, , 1-18.	1.6	11
15	RSM-Based Optimization of the Parameters Affecting TiO <sub>2</sub> -Mediated UV Photocatalysis of Vehicular Emissions in Enclosed Parking Garages. <i>International Journal of Photoenergy</i> , 2021, 2021, 1-9.	1.4	10
16	Behavior of RC Beam-Column Joints Strengthened with Modified Reinforcement Techniques. <i>Sustainability</i> , 2022, 14, 1918.	1.6	10
17	Implementation of Taguchi and Genetic Algorithm Techniques for Prediction of Optimal Part Dimensions for Polymeric Biocomposites in Fused Deposition Modeling. <i>International Journal of Biomaterials</i> , 2022, 2022, 1-7.	1.1	8
18	Assessment of Causes of Pothole Development on Chandigarh Roads. <i>Journal of the Institution of Engineers (India): Series A</i> , 2021, 102, 411-419.	0.6	7

#	ARTICLE	IF	CITATIONS
19	Performance Comparison and Critical Finite Element Based Experimental Analysis of Various Forms of Reinforcement Retaining Structural System. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-13.	0.6	7
20	Experimental investigation of corn cob ash on silty clay stabilized with calcium carbide. <i>Materials Today: Proceedings</i> , 2021, 37, 3658-3660.	0.9	5
21	A Sustainable environmental change and ESG initiatives by the manufacturing and others service Industries during COVID19 Pandemic. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 889, 012081.	0.2	4
22	Experimental Study on Stabilisation of Clayey Soil Using Cement and Bagasse Ash. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 889, 012010.	0.2	4
23	Experimental investigation on black cotton soil altered thru cement kiln dust and terrazyme. <i>Materials Today: Proceedings</i> , 2021, 37, 3661-3664.	0.9	3
24	Characteristics of unfired soil blocks stabilized with industrial waste and agricultural waste. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 889, 012041.	0.2	3
25	Predictive modeling of surface and dimensional features of vapour-smoothened FDM parts using self-adaptive cuckoo search algorithm. <i>Progress in Additive Manufacturing</i> , 2022, 7, 1023-1036.	2.5	3
26	Traffic Study and Analysis of Highway (NH5) from Balongi to Kharar. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 889, 012054.	0.2	2
27	Impact of Unsustainable Environmental Conditions Due to Vehicular Emissions on Associated Lifetime Cancer Risk in India: A Novel Approach. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 6459.	1.2	2
28	Exploration of sisal fibre for modification of bituminous mix. <i>Materials Today: Proceedings</i> , 2021, 48, 1352-1352.	0.9	1
29	A Study of Availability and Utilization of Water Resources in Punjab. <i>Current World Environment Journal</i> , 2020, 15, 544-559.	0.2	1
30	Experimental Investigation on concrete containing E-waste as course aggregate. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 889, 012023.	0.2	1
31	Performance of Inclined Skirt Footing: Numerical Analysis. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 889, 012076.	0.2	1
32	Green mining techniques to curb environmental problems - A review. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 889, 012026.	0.2	1
33	Applicability of TiO <sub>2</sub> Laden Asphalt Pavements in Reducing the Vehicular Pollution of Chandigarh, India. <i>Clean - Soil, Air, Water</i> , 0, , 2000461.	0.7	1
34	An Investigation of Fractional One-Dimensional Groundwater Recharge by Spreading Using an Efficient Analytical Technique. <i>Fractal and Fractional</i> , 2022, 6, 249.	1.6	1
35	Upshots of pin piles retrofitting for existing structures. <i>Materials Today: Proceedings</i> , 2021, 48, 1107-1107.	0.9	0
36	Investigation the effect of edge distance of pin piles used for retrofitting of existing structures. <i>Materials Today: Proceedings</i> , 2021, 48, 1447-1447.	0.9	0

#	ARTICLE	IF	CITATIONS
37	Investigation on the influence of point loads on the deflection behaviour of G+5 frame structure. IOP Conference Series: Earth and Environmental Science, 2021, 889, 012017.	0.2	0