

# Sandeep Samantaray

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

846  
citations

516710

16  
h-index

642732

23  
g-index

87  
all docs

87  
docs citations

87  
times ranked

275  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of suspended sediment concentration using hybrid SVM-WOA approaches. Geocarto International, 2022, 37, 5609-5635.	3.5	25
2	Prediction of S12-MKII rainfall simulator experimental runoff data sets using hybrid PSR-SVM-FFA approaches. Journal of Water and Climate Change, 2022, 13, 707-734.	2.9	13
3	MLP-WOA Is a Successful Algorithm for Estimating Sediment Load in Kalahandi Gauge Station, India. Lecture Notes in Networks and Systems, 2022, , 319-329.	0.7	9
4	Prophecy of Groundwater Level Using Hybrid ANFIS-BBO Approach. Lecture Notes in Networks and Systems, 2022, , 273-283.	0.7	6
5	Impact of Fly Ash and Metakaoline on the Crack Resistance and Shrinkage of Concrete. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2022, 46, 2011-2026.	1.9	5
6	Multilayer perceptron and support vector machine trained with grey wolf optimiser for predicting floods in Barak river, India. Journal of Earth System Science, 2022, 131, 1.	1.3	9
7	Prediction of groundwater-level using novel SVM-ALO, SVM-FOA, and SVM-FFA algorithms at Purba-Medinipur, India. Arabian Journal of Geosciences, 2022, 15, 1.	1.3	13
8	Mechanical behaviour of high strength concrete modified with triple blend of fly ash, silica fume and steel fibers. Materials Today: Proceedings, 2022, 65, 933-942.	1.8	4
9	Monthly runoff prediction at Baitarani river basin by support vector machine based on Salp swarm algorithm. Ain Shams Engineering Journal, 2022, 13, 101732.	6.1	36
10	Evaluating the application of metaheuristic approaches for flood simulation using GIS: A case study of Baitarani river Basin, India. Materials Today: Proceedings, 2022, 61, 452-465.	1.8	6
11	Temperature Prediction Using Hybrid MLP-GOA Algorithm in Keonjhar, Odisha: A Case Study. Smart Innovation, Systems and Technologies, 2022, , 319-330.	0.6	1
12	Prediction of groundwater fluctuation based on hybrid ANFIS-GWO approach in arid Watershed, India. Soft Computing, 2022, 26, 5251-5273.	3.6	16
13	A Hybrid SVM-ABC Model for Monthly Stream Flow Forecasting. Lecture Notes in Electrical Engineering, 2022, , 315-324.	0.4	5
14	Hybrid ANFIS-PSO Model for Monthly Precipitation Forecasting. Smart Innovation, Systems and Technologies, 2022, , 349-359.	0.6	4
15	Water Table Depth Forecasting Based on Hybrid Wavelet Neural Network Model. Smart Innovation, Systems and Technologies, 2022, , 233-242.	0.6	1
16	Improving accuracy of SVM for monthly sediment load prediction using Harris hawks optimization. Materials Today: Proceedings, 2022, 61, 604-617.	1.8	5
17	Study of effect of temperature on behavior of alkali activated slag concrete. Materials Today: Proceedings, 2021, 43, 1352-1357.	1.8	6
18	Efficacy of ANFIS-GOA technique in flood prediction: a case study of Mahanadi river basin in India. H2Open Journal, 2021, 4, 137-156.	1.7	24

#	ARTICLE	IF	CITATIONS
19	Combined effect of waste glass powder and recycled steel fibers on mechanical behavior of concrete. SN Applied Sciences, 2021, 3, 1.	2.9	16
20	Prediction of Flood in Barak River using Hybrid Machine Learning Approaches: A Case Study. Journal of the Geological Society of India, 2021, 97, 186-198.	1.1	37
21	Scheming of Runoff Using Hybrid ANFIS for a Watershed: Western Odisha, India. , 2021, , 237-258.		0
22	Application of Hybrid Neural Network Techniques for Drought Forecasting. , 2021, , 259-288.		0
23	Prediction of Flood Using Hybrid ANFIS-FFA Approaches in Barak River Basin. , 2021, , 191-210.		0
24	Application of Artificial Intelligence for Prediction of Ground Water Fluctuation. , 2021, , 171-190.		0
25	Water Quality Management in Watershed. , 2021, , 77-92.		0
26	Sediment Sampling and Transport. , 2021, , 133-150.		0
27	A Comparative Study on Prediction of Monthly Streamflow Using Hybrid ANFIS-PSO Approaches. KSCE Journal of Civil Engineering, 2021, 25, 4032-4043.	1.9	44
28	Modelling response of infiltration loss toward water table depth using RBFN, RNN, ANFIS techniques. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2021, 25, 227-234.	1.0	7
29	Assessment of Flood Frequency using Statistical and Hybrid Neural Network Method: Mahanadi River Basin, India. Journal of the Geological Society of India, 2021, 97, 867-880.	1.1	31
30	Effect of water absorption and curing period on strength and porosity of triple blended concrete. Materials Today: Proceedings, 2021, 43, 2162-2169.	1.8	8
31	Estimation of Flood in a River Basin Through Neural Networks: A Case Study. Lecture Notes in Networks and Systems, 2021, , 755-763.	0.7	15
32	Assessment of Flow Discharge in a River Basin Through CFBPNN, LRNN and CANFIS. Lecture Notes in Networks and Systems, 2021, , 765-773.	0.7	10
33	Efficiency of River Flow Prediction in River Using Wavelet-CANFIS: A Case Study. Advances in Intelligent Systems and Computing, 2021, , 435-443.	0.6	11
34	Coupling effect of fly ash, metakaoline and different types of steel fibers on mechanical performance of concrete. AIP Conference Proceedings, 2021, , .	0.4	1
35	Runoff is a Key Constraint Toward Water Table Fluctuation Using Neural Networks: A Case Study. Lecture Notes in Networks and Systems, 2021, , 737-745.	0.7	2
36	Estimation of Water Table Depth Using Wavelet-ANFIS: A Case Study. Lecture Notes in Networks and Systems, 2021, , 747-754.	0.7	14

#	ARTICLE	IF	CITATIONS
37	Modelling runoff in a river basin, India: an integration for developing un-gauged catchment. International Journal of Hydrology Science and Technology, 2020, 10, 248.	0.3	6
38	Prediction of runoff using BPNN, FFBPNN, CFBPNN algorithm in arid watershed: A case study. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2020, 24, 243-251.	1.0	12
39	Modelling runoff in an arid watershed through integrated support vector machine. H2Open Journal, 2020, 3, 256-275.	1.7	14
40	Effect of silica fume on engineering properties of expansive soil. Materials Today: Proceedings, 2020, 33, 5035-5040.	1.8	11
41	Estimation of flood frequency using statistical method: Mahanadi River basin, India. H2Open Journal, 2020, 3, 189-207.	1.7	31
42	Assessment of Suspended Sediment Load with Neural Networks in Arid Watershed. Journal of the Institution of Engineers (India): Series A, 2020, 101, 371-380.	1.2	9
43	Assessment of Sediment Load Concentration Using SVM, SVM-FFA and PSR-SVM-FFA in Arid Watershed, India: A Case Study. KSCE Journal of Civil Engineering, 2020, 24, 1944-1957.	1.9	19
44	Prediction of Flood Using Adaptive Neuro-Fuzzy Inference Systems: A Case Study. Smart Innovation, Systems and Technologies, 2020, , 733-739.	0.6	29
45	Estimation of Runoff Through BPNN and SVM in Agalpur Watershed. Advances in Intelligent Systems and Computing, 2020, , 268-275.	0.6	21
46	Assessment of Groundwater Potential Using Neural Network: A Case Study. Advances in Intelligent Systems and Computing, 2020, , 655-664.	0.6	13
47	Modelling runoff in a river basin, India: an integration for developing un-gauged catchment. International Journal of Hydrology Science and Technology, 2020, 10, 248.	0.3	2
48	Sedimentation Process and Its Assessment Through Integrated Sensor Networks and Machine Learning Process. Studies in Computational Intelligence, 2019, , 473-488.	0.9	9
49	Stream Flow Forecasting in Mahanadi River Basin using Artificial Neural Networks. Procedia Computer Science, 2019, 157, 168-174.	2.0	39
50	Sediment assessment for a watershed in arid region via neural networks. Sadhana - Academy Proceedings in Engineering Sciences, 2019, 44, 1.	1.3	17
51	Discharge Measurement in Part of Hirakud Canal System, Odisha, India, Using Chiu's Equation. Journal of the Institution of Engineers (India): Series A, 2019, 100, 479-486.	1.2	1
52	Estimating Runoff Using Feed-Forward Neural Networks in Scarce Rainfall Region. Smart Innovation, Systems and Technologies, 2019, , 53-64.	0.6	7
53	Dynamic Modelling of Runoff in a Watershed Using Artificial Neural Network. Smart Innovation, Systems and Technologies, 2019, , 561-568.	0.6	9
54	Integrated Sensor Networking for Estimating Ground Water Potential in Scanty Rainfall Region: Challenges and Evaluation. Studies in Computational Intelligence, 2019, , 335-352.	0.9	5

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55	Modelling sediment concentration using back propagation neural network and regression coupled with genetic algorithm. Procedia Computer Science, 2018, 125, 85-92.	2.0	22
56	Evaluation of suspended sediment concentration using descent neural networks. Procedia Computer Science, 2018, 132, 1824-1831.	2.0	23
57	Removal of Turbidity Using Dual Media Filter. , 2018, , .		0
58	Flow forecasting of hirakud reservoir with ARIMA model. , 2017, , .		4
59	Derivation of Optimal Cropping Pattern in Part of Hirakud Command using Cuckoo Search. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012068.	0.6	3
60	CONJUNCTIVE USE OF GROUNDWATER AND SURFACE WATER IN A PART OF HIRAKUD COMMAND AREA. International Journal of Engineering and Technology, 2017, 9, 3002-3010.	0.1	2