

# Arjamadutta Sarangi

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,137  
citations

430874

18  
h-index

395702

33  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1291  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance evaluation of AquaCrop model for maize crop in a semi-arid environment. <i>Agricultural Water Management</i> , 2012, 110, 55-66.	5.6	185
2	Hypsometric Integral Estimation Methods and its Relevance on Erosion Status of North-Western Lesser Himalayan Watersheds. <i>Water Resources Management</i> , 2008, 22, 1545-1560.	3.9	126
3	Spatial Variability of Groundwater Depth and Quality Parameters in the National Capital Territory of Delhi. <i>Environmental Management</i> , 2010, 45, 640-650.	2.7	87
4	Time series analysis of groundwater levels and projection of future trend. <i>Journal of the Geological Society of India</i> , 2015, 85, 232-242.	1.1	84
5	Comparison of Artificial Neural Network and regression models for sediment loss prediction from Banha watershed in India. <i>Agricultural Water Management</i> , 2005, 78, 195-208.	5.6	74
6	Comparative evaluation of phosphorus losses from subsurface and naturally drained agricultural fields in the Pike River watershed of Quebec, Canada. <i>Agricultural Water Management</i> , 2010, 97, 596-604.	5.6	73
7	GEOSTATISTICAL METHODS FOR PREDICTION OF SPATIAL VARIABILITY OF RAINFALL IN A MOUNTAINOUS REGION. <i>Transactions of the American Society of Agricultural Engineers</i> , 2005, 48, 943-954.	0.9	48
8	Simulation of salt dynamics in the root zone and yield of wheat crop under irrigated saline regimes using SWAP model. <i>Agricultural Water Management</i> , 2015, 148, 72-83.	5.6	48
9	Prediction of root zone water and nitrogen balance in an irrigated rice field using a simulation model. <i>Paddy and Water Environment</i> , 2015, 13, 281-290.	1.8	46
10	EVALUATION OF AQUACROP MODEL IN PREDICTING WHEAT YIELD AND WATER PRODUCTIVITY UNDER IRRIGATED SALINE REGIMES. <i>Irrigation and Drainage</i> , 2014, 63, 474-487.	1.7	36
11	Subsurface drainage performance study using SALTMOD and ANN models. <i>Agricultural Water Management</i> , 2006, 84, 240-248.	5.6	35
12	Development of a GIS Interface for Estimation of Runoff from Watersheds. <i>Water Resources Management</i> , 2008, 22, 1221-1239.	3.9	35
13	Effect of land management on runoff and soil losses from two small watersheds in St Lucia. <i>Land Degradation and Development</i> , 2006, 17, 55-72.	3.9	34
14	Analysis of Drivers of Trends in Groundwater Levels Under Rice-Wheat Ecosystem in Haryana, India. <i>Natural Resources Research</i> , 2020, 29, 1101-1126.	4.7	25
15	Spatial and temporal variability of sediment and dissolved loads from two alpine watersheds of the Lesser Himalayas. <i>Catena</i> , 2008, 76, 27-35.	5.0	21
16	Multi-site calibration of hydrological model and assessment of water balance in a semi-arid river basin of India. <i>Quaternary International</i> , 2021, 571, 136-149.	1.5	21
17	Evaluation of three unit hydrograph models to predict the surface runoff from a Canadian watershed. <i>Water Resources Management</i> , 2007, 21, 1127-1143.	3.9	20
18	Prediction of maize yield under future water availability scenarios using the AquaCrop model. <i>Journal of Agricultural Science</i> , 2014, 152, 558-574.	1.3	19

#	ARTICLE	IF	CITATIONS
19	Managing CO <sub>2</sub> emission from groundwater pumping for irrigating major crops in trans indo-gangetic plains of India. <i>Climatic Change</i> , 2016, 136, 265-279.	3.6	17
20	A decision support system for soil and water conservation measures on agricultural watersheds. <i>Land Degradation and Development</i> , 2004, 15, 49-63.	3.9	16
21	Multiple Water Use Protocols in Integrated Farming System for Enhancing Productivity. <i>Water Resources Management</i> , 2012, 26, 2605-2623.	3.9	15
22	Assessing Water Footprints and Virtual Water Flows in Gomti River Basin of India. <i>Current Science</i> , 2018, 115, 721.	0.8	15
23	Modelling of groundwater recharge potential from irrigated paddy field under changing climate. <i>Paddy and Water Environment</i> , 2017, 15, 413-423.	1.8	14
24	Prediction of Spatial Variability of Phosphorous Over the St-Esprit Watershed. <i>Water, Air, and Soil Pollution</i> , 2005, 168, 267-288.	2.4	9
25	Impact of climate change on the hydrology of a semi-arid river basin of India under hypothetical and projected climate change scenarios. <i>Journal of Water and Climate Change</i> , 2021, 12, 969-996.	2.9	9
26	Effect of Tillage, Residue and Nitrogen Management on Soil Water Dynamics and Water Productivity of Wheat in an Inceptisol. <i>Journal of the Indian Society of Soil Science</i> , 2019, 67, 44.	0.2	8
27	Response of wheat cultivars to foliar potassium fertilization under irrigated saline environment. <i>Journal of Applied and Natural Science</i> , 2016, 8, 429-436.	0.4	4
28	Modelling the Grain Yield of Wheat in Irrigated Saline Environment with Foliar Potassium Fertilization. <i>Agricultural Research</i> , 2018, 7, 321-337.	1.7	3
29	Hydrologic behaviour of Tapi river catchment using morphometric analysis. <i>Journal of Applied and Natural Science</i> , 2014, 6, 442-450.	0.4	2
30	Strategies for climate change impacts on irrigated crops in National Capital Region of India. <i>Journal of Applied and Natural Science</i> , 2015, 7, 388-393.	0.4	2
31	Technical efficiency of wheat and paddy farms in irrigated saline environment in Haryana State, India: An assessment. <i>African Journal of Agricultural Research Vol Pp</i> , 2015, 10, 637-644.	0.5	1
32	Modelling of Climate-Induced Groundwater Recharge for Assessing Carbon Emission from Groundwater Irrigation. <i>Current Science</i> , 2018, 115, 64.	0.8	1
33	Evaluation of FAO Aqua Crop model for wheat under different irrigation regimes. <i>Journal of Applied and Natural Science</i> , 2016, 8, 473-480.	0.4	1
34	Soil suitability analysis for crop planning in kheragarah Tehsil of Agra district, Uttar Pradesh. <i>Journal of the Indian Society of Soil Science</i> , 2016, 64, 311.	0.2	1
35	Comparative evaluation of water budgeting parameters under different rice ( <i>Oryza sativa</i> L.) cultivation methods. <i>Journal of Applied and Natural Science</i> , 2017, 9, 1373-1380.	0.4	1
36	Effect of tillage and irrigation interactions on soil water dynamics, root growth and water use efficiency of wheat in the indo-gangetic plain. <i>Journal of the Indian Society of Soil Science</i> , 2020, 68, 275-286.	0.2	1

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37	Effect of Puddling and Direct Sowing of Rice on Soil Physical Health and Water Productivity of Rice-Wheat Cropping System under Different Irrigation Regimes. Journal of the Indian Society of Soil Science, 2019, 67, 160.	0.2	0
38	Assessment and mapping crop evapotranspiration and green and blue water uses by major crops in trans Indo-Gangetic plains. Journal of Soil and Water Conservation, 2021, 20, 290-300.	0.2	0