

# Partha Pratim Adhikary

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

841  
citations

516710

16  
h-index

501196

28  
g-index

42  
all docs

42  
docs citations

42  
times ranked

787  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of groundwater pollution in West Delhi, India using geostatistical approach. Environmental Monitoring and Assessment, 2010, 167, 599-615.	2.7	84
2	Cleaning the river Damodar (India): impact of COVID-19 lockdown on water quality and future rejuvenation strategies. Environment, Development and Sustainability, 2021, 23, 11975-11989.	5.0	70
3	Comparison of deterministic and stochastic methods to predict spatial variation of groundwater depth. Applied Water Science, 2017, 7, 339-348.	5.6	67
4	Evaluation of groundwater quality for irrigation and drinking using GIS and geostatistics in a peri-urban area of Delhi, India. Arabian Journal of Geosciences, 2012, 5, 1423-1434.	1.3	59
5	Indicator and probability kriging methods for delineating Cu, Fe, and Mn contamination in groundwater of Najafgarh Block, Delhi, India. Environmental Monitoring and Assessment, 2011, 176, 663-676.	2.7	50
6	Prediction of root zone water and nitrogen balance in an irrigated rice field using a simulation model. Paddy and Water Environment, 2015, 13, 281-290.	1.8	46
7	Eco-restoration of river water quality during COVID-19 lockdown in the industrial belt of eastern India. Environmental Science and Pollution Research, 2021, 28, 25514-25528.	5.3	46
8	Pedotransfer functions for predicting the hydraulic properties of Indian soils. Soil Research, 2008, 46, 476.	1.1	44
9	Soil erosion control and carbon sequestration in shifting cultivated degraded highlands of eastern India: performance of two contour hedgerow systems. Agroforestry Systems, 2017, 91, 757-771.	2.0	38
10	Positive effects of COVID-19 lockdown on river water quality: evidence from River Damodar, India. Scientific Reports, 2021, 11, 20140.	3.3	36
11	Land use and land cover dynamics with special emphasis on shifting cultivation in Eastern Ghats Highlands of India using remote sensing data and GIS. Environmental Monitoring and Assessment, 2019, 191, 315.	2.7	28
12	Statistical approaches for hydrogeochemical characterization of groundwater in West Delhi, India. Environmental Monitoring and Assessment, 2009, 154, 41-52.	2.7	27
13	Assessment of non-carcinogenic health risk of heavy metal pollution: evidences from coal mining region of eastern India. Environmental Science and Pollution Research, 2021, 28, 47275-47293.	5.3	25
14	Rainfall erosivity and erosivity density in Eastern Ghats Highland of east India. Natural Hazards, 2019, 97, 727-746.	3.4	20
15	Effect of Calibration and Validation Decisions on Streamflow Modeling for a Heterogeneous and Low Runoff Producing River Basin in India. Journal of Hydrologic Engineering - ASCE, 2019, 24, .	1.9	20
16	Geospatial comparison of four models to predict soil erodibility in a semi-arid region of Central India. Environmental Earth Sciences, 2014, 72, 5049-5062.	2.7	19
17	Hedge row intercropping impact on run-off, soil erosion, carbon sequestration and millet yield. Nutrient Cycling in Agroecosystems, 2020, 116, 103-116.	2.2	18
18	Assessment of groundwater potential zone using MCDA and AHP techniques: case study from a tropical river basin of India. Applied Water Science, 2022, 12, 1.	5.6	18

#	ARTICLE	IF	CITATIONS
19	Electrical resistivity tomography for assessment of groundwater salinity in west Delhi, India. Arabian Journal of Geosciences, 2015, 8, 2687-2698.	1.3	15
20	Numerical simulation to assess potential groundwater recharge and net groundwater use in a semi-arid region. Environmental Monitoring and Assessment, 2019, 191, 371.	2.7	15
21	Evaluation of groundwater quality and its impact on human health: a case study from Chotanagpur plateau fringe region in India. Applied Water Science, 2022, 12, 1.	5.6	15
22	GIS applicability to assess spatio-temporal variation of groundwater quality and sustainable use for irrigation. Arabian Journal of Geosciences, 2015, 8, 2699-2711.	1.3	14
23	Multitier agroforestry system for integrated resource conservation on uplands of Eastern Ghats region in India. Agroforestry Systems, 2017, 91, 697-712.	2.0	13
24	Soil and onsite nutrient conservation potential of aromatic grasses at field scale under a shifting cultivated, degraded catchment in Eastern Ghats, India. International Journal of Sediment Research, 2018, 33, 340-350.	3.5	12
25	Effect of urbanization on the dynamics of ecosystem services: An analysis for decision making in Kolkata urban agglomeration. Urban Ecosystems, 2022, 25, 1541-1559.	2.4	10
26	Simulation of Nitrate Leaching under Maize-Wheat Cropping System in a Semiarid Irrigated Area of the Indo-Gangetic Plain, India. Journal of Irrigation and Drainage Engineering - ASCE, 2016, 142, 04015053.	1.0	9
27	Spatial Extent, Formation Process, Reclaimability Classification System and Restoration Strategies of Gully and Ravine Lands in India. Advances in Science, Technology and Innovation, 2020, , 1-20.	0.4	6
28	Comparison of rainfall kinetic energy-intensity relationships for Eastern Ghats Highland region of India. Natural Hazards, 2018, 93, 547-558.	3.4	5
29	Soil water budgeting approach to quantify potential groundwater recharge from croplands and groundwater use in a semi-arid region. Environmental Earth Sciences, 2016, 75, 1.	2.7	4
30	Soil Disintegration Characteristics on Ephemeral Gully Collapsing in Lateritic Belt of West Bengal, India. Advances in Science, Technology and Innovation, 2020, , 21-33.	0.4	4
31	Effects of COVID-19 lockdown and unlock on the health of tropical large river with associated human health risk. Environmental Science and Pollution Research, 2022, 29, 37041-37056.	5.3	4
32	Energy Consumption and Sensitivity Analysis of Rainfed Chickpea Production in Vertisols of Semi-arid Karnataka. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2018, 88, 685-694.	1.0	0
33	Groundwater and Space Technology: Issues and Challenges. , 2021, , 83-102.		0
34	Quantifying forest cover changes in Koraput district, India using remote sensing and GIS. , 2021, , 185-191.		0
35	Introduction to Groundwater and Society: Applications of Geospatial Technology. , 2021, , 3-9.		0
36	Watershed Development Impact on Natural Resources: Groundwater and Surface Water Utilization. , 2021, , 365-380.		0

#	ARTICLE	IF	CITATIONS
37	Introduction to Part I: Soil and Sediment Contaminants, Risk Assessment, and Remediation. Environmental Challenges and Solutions, 2021, , 3-6.	0.9	0
38	Geospatial and Geophysical Approaches for Assessment of Groundwater Resources in an Alluvial Aquifer of India. , 2021, , 53-82.		0