

# Vishnu Pandey

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

1,834  
citations

218677

26  
h-index

276875

41  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1772  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance evaluation and bias correction of gridded precipitation products over Arun River Basin in Nepal for hydrological applications. <i>Theoretical and Applied Climatology</i> , 2022, 148, 1353-1372.	2.8	9
2	ASSESSMENT OF HYDROLOGIC ALTERATION: A CASE OF MARSHYANGDI WATERSHED. , 2022, , .		0
3	An assessment of climate change impacts on water sufficiency: The case of Extended East Rapti watershed, Nepal. <i>Environmental Research</i> , 2022, 212, 113434.	7.5	0
4	The role of hydropower in visions of water resources development for rivers of Western Nepal. <i>International Journal of Water Resources Development</i> , 2021, 37, 531-558.	2.0	9
5	Hydro-climatic extremes in the Himalayan watersheds: a case of the Marshyangdi Watershed, Nepal. <i>Theoretical and Applied Climatology</i> , 2021, 143, 131-158.	2.8	11
6	Achieving water security in Nepal through unravelling the water-energy-agriculture nexus. <i>International Journal of Water Resources Development</i> , 2021, 37, 67-93.	2.0	41
7	Integrated water resource management to address the growing demand for food and water in South Asia <sup>*</sup> . <i>Irrigation and Drainage</i> , 2021, 70, 924-935.	1.7	3
8	Assessing the Prospects of Transboundary Multihazard Dynamics: The Case of Bhotekoshiâ€“Sunkoshi Watershed in Sinoâ€“Nepal Border Region. <i>Sustainability</i> , 2021, 13, 3670.	3.2	7
9	Water balance component analysis of a spring catchment of western Nepal. <i>Banko Janakari</i> , 2021, 31, 23-32.	0.5	2
10	Multi-Hazard Risk Assessment of Kathmandu Valley, Nepal. <i>Sustainability</i> , 2021, 13, 5369.	3.2	20
11	How do CMIP6 models project changes in precipitation extremes over seasons and locations across the mid hills of Nepal?. <i>Theoretical and Applied Climatology</i> , 2021, 145, 1127-1144.	2.8	12
12	The COVIDâ€“19 Pandemic Not Only Poses Challenges, but Also Opens Opportunities for Sustainable Transformation. <i>Earth's Future</i> , 2021, 9, e2021EF001996.	6.3	42
13	Assessment of spatial and temporal variability in soil moisture using multi-length TDR probes to calibrate Aquaflex sensors. <i>Irrigation Science</i> , 2021, 39, 703-713.	2.8	2
14	Characterizing natural drivers of water-induced disasters in a rain-fed watershed: Hydro-climatic extremes in the Extended East Rapti Watershed, Nepal. <i>Journal of Hydrology</i> , 2021, 598, 126383.	5.4	8
15	Streams, sewage, and shallow groundwater: stream-aquifer interactions in the Kathmandu Valley, Nepal. <i>Sustainable Water Resources Management</i> , 2021, 7, 1.	2.1	2
16	Spring water assessment for quality and suitability for various uses: the case of Thuligaad watershed, western Nepal. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	2.7	9
17	Groundwater potential assessment using an integrated AHP-driven geospatial and field exploration approach applied to a hard-rock aquifer Himalayan watershed. <i>Journal of Hydrology: Regional Studies</i> , 2021, 37, 100914.	2.4	9
18	Agronomic, socio-economic, and environmental challenges and opportunities in Nepal's cereal-based farming systems. <i>Advances in Agronomy</i> , 2021, , 155-287.	5.2	17

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19	Water Quality of Marshyangdi River, Nepal: An Assessment Using Water Quality Index (WQI). Journal of Institute of Science and Technology, 2021, 26, 13-21.	0.5	4
20	Climate futures for Western Nepal based on regional climate models in the CORDEX-ASA. International Journal of Climatology, 2020, 40, 2201-2225.	3.5	13
21	Balancing intersectoral demands in basin-scale planning: The case of Nepal's western river basins. Water Resources and Economics, 2020, 30, 100152.	2.2	5
22	Spatio-temporal distribution of water availability in Karnali-Mohana Basin, Western Nepal: Hydrological model development using multi-site calibration approach (Part-A). Journal of Hydrology: Regional Studies, 2020, 29, 100690.	2.4	18
23	Streamflow Alterations, Attributions, and Implications in Extended East Rapti Watershed, Central-Southern Nepal. Sustainability, 2020, 12, 3829.	3.2	4
24	Mapping groundwater resiliency under climate change scenarios: A case study of Kathmandu Valley, Nepal. Environmental Research, 2020, 183, 109149.	7.5	36
25	Spatio-temporal distribution of water availability in Karnali-Mohana Basin, Western Nepal: Climate change impact assessment (Part-B). Journal of Hydrology: Regional Studies, 2020, 29, 100691.	2.4	16
26	Climate Shocks and Responses in Karnali-Mahakali Basins, Western Nepal. Climate, 2019, 7, 92.	2.8	6
27	Characterization of hydro-meteorological drought in Nepal Himalaya: A case of Karnali River Basin. Weather and Climate Extremes, 2019, 26, 100239.	4.1	39
28	Implications of the Melamchi water supply project for the Kathmandu Valley groundwater system. Water Policy, 2019, 21, 120-137.	1.5	5
29	Hydrological response of Chamelia watershed in Mahakali Basin to climate change. Science of the Total Environment, 2019, 650, 365-383.	8.0	60
30	Fuzzy-based approach for evaluating groundwater sustainability of Asian cities. Sustainable Cities and Society, 2019, 44, 321-331.	10.4	22
31	Groundwater vulnerability to climate change: A review of the assessment methodology. Science of the Total Environment, 2018, 612, 853-875.	8.0	79
32	Evaluation of Water Security in Kathmandu Valley before and after Water Transfer from another Basin. Water (Switzerland), 2018, 10, 224.	2.7	29
33	Model-based estimation of land subsidence in Kathmandu Valley, Nepal. Geomatics, Natural Hazards and Risk, 2017, 8, 974-996.	4.3	23
34	A multi-model approach for analyzing water balance dynamics in Kathmandu Valley, Nepal. Journal of Hydrology: Regional Studies, 2017, 9, 149-162.	2.4	49
35	Climate change and adaptation strategies in Budhi Gandaki River Basin, Nepal: a perception-based analysis. Climatic Change, 2017, 140, 195-208.	3.6	64
36	Evaluation of index-overlay methods for groundwater vulnerability and risk assessment in Kathmandu Valley, Nepal. Science of the Total Environment, 2017, 575, 779-790.	8.0	77

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37	DPSIR Framework for Evaluating Groundwater Environment. , 2016, , 17-37.		3
38	Groundwater as an Environmental Issue in Asian Cities. , 2016, , 1-13.		3
39	Groundwater Environment in Tokyo, Japan. , 2016, , 451-468.		1
40	Water Environment in Southeast Asia: An Introduction. , 2016, , 187-191.		2
41	Water Environment in South Asia: An Introduction. , 2016, , 41-46.		1
42	Climate change impacts on groundwater resources in Mekong Delta under representative concentration pathways (RCPs) scenarios. Environmental Science and Policy, 2016, 61, 1-13.	4.9	95
43	Empirical assessment of adaptation to climate change impacts of mountain households: development and application of an Adaptation Capability Index. Journal of Mountain Science, 2016, 13, 1503-1514.	2.0	41
44	IMPACT ASSESSMENT OF GORKHA EARTHQUAKE 2015 ON PORTABLE WATER SUPPLY IN KATHMANDU VALLEY: PRELIMINARY ANALYSIS. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2016, 72, 1_61-1_66.	0.1	9
45	Livelihood vulnerability approach to assessing climate change impacts on mixed agro-livestock smallholders around the Gandaki River Basin in Nepal. Regional Environmental Change, 2016, 16, 1121-1132.	2.9	151
46	Assessment of groundwater vulnerability and risk to pollution in Kathmandu Valley, Nepal. Science of the Total Environment, 2016, 556, 23-35.	8.0	137
47	Water Environment in Central and East Asia: An Introduction. , 2016, , 339-343.		0
48	Assessing climate change vulnerability of water at household level. Mitigation and Adaptation Strategies for Global Change, 2015, 20, 1471-1485.	2.1	41
49	From an open-access to a state-controlled resource: the case of groundwater in the Kathmandu Valley, Nepal. Water International, 2014, 39, 97-112.	1.0	9
50	Assessing suitability of apple cultivation under climate change in mountainous regions of western Nepal. Regional Environmental Change, 2014, 14, 743-756.	2.9	14
51	Perturbation study of climate change impacts in a snowfed river basin. Hydrological Processes, 2013, 27, 3461-3474.	2.6	14
52	Climate change and adaptation: an integrated framework linking social and physical aspects in poorly-gauged regions. Climatic Change, 2013, 120, 727-739.	3.6	12
53	Green, Blue and Grey Water Footprints of Primary Crops Production in Nepal. Water Resources Management, 2013, 27, 5223.	3.9	31
54	Hydro-climatic trends and people's perceptions: case of Kali Gandaki River Basin, Nepal. Climate Research, 2012, 54, 167-179.	1.1	33

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55	Water Poverty Situation of Medium-sized River Basins in Nepal. <i>Water Resources Management</i> , 2012, 26, 2475-2489.	3.9	33
56	Application of Water Poverty Index (WPI) in Nepalese Context: A Case Study of Kali Gandaki River Basin (KGRB). <i>Water Resources Management</i> , 2012, 26, 89-107.	3.9	82
57	A framework to assess adaptive capacity of the water resources system in Nepalese river basins. <i>Ecological Indicators</i> , 2011, 11, 480-488.	6.3	62
58	Indicator-Based Approach for Assessing the Vulnerability of Freshwater Resources in the Bagmati River Basin, Nepal. <i>Environmental Management</i> , 2011, 48, 1044-1059.	2.7	40
59	Hydrogeologic characteristics of groundwater aquifers in Kathmandu Valley, Nepal. <i>Environmental Earth Sciences</i> , 2011, 62, 1723-1732.	2.7	28
60	A framework for measuring groundwater sustainability. <i>Environmental Science and Policy</i> , 2011, 14, 396-407.	4.9	80
61	Evaluation of groundwater environment of Kathmandu Valley. <i>Environmental Earth Sciences</i> , 2010, 60, 1329-1342.	2.7	73
62	Vulnerability of freshwater resources in large and medium Nepalese river basins to environmental change. <i>Water Science and Technology</i> , 2010, 61, 1525-1534.	2.5	33
63	Analysis of a Nepalese water resources system: stress, adaptive capacity and vulnerability. <i>Water Science and Technology: Water Supply</i> , 2009, 9, 213-222.	2.1	13
64	Arsenic occurrence in groundwater of Kathmandu Valley, Nepal. <i>Desalination and Water Treatment</i> , 2009, 4, 248-254.	1.0	27
65	Assessing effective pasture root depth for irrigation scheduling by water balance and soil moisture monitoring. <i>Irrigation and Drainage</i> , 0, , .	1.7	0