

# Shakil Ahmad Romshoo

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88 papers	2,282 citations	29 h-index	44 g-index
102 ext. papers	2,856 ext. citations	3.1 avg, IF	5.66 L-index

#	Paper	IF	Citations
88	Impact of climate change on snow precipitation and streamflow in the Upper Indus Basin ending twenty-first century. <i>Climatic Change</i> , <b>2022</b> , 170, 1	4.5	0
87	Explaining the differential response of glaciers across different mountain ranges in the north-western Himalaya, India. <i>Cold Regions Science and Technology</i> , <b>2022</b> , 103515	3.8	0
86	Landslide susceptibility assessment of Kashmir Himalaya, India. <i>Arabian Journal of Geosciences</i> , <b>2022</b> , 15, 1	1.8	0
85	Anthropogenic climate change drives melting of glaciers in the Himalaya.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	0
84	Cirque development in the Pir Panjal Range of North Western Himalaya, India. <i>Catena</i> , <b>2022</b> , 213, 106179	3.8	0
83	Characteristics, source apportionment and long-range transport of black carbon at a high-altitude urban centre in the Kashmir valley, North-western Himalaya.. <i>Environmental Pollution</i> , <b>2022</b> , 119295	9.3	0
82	Measurement and Modelling of Particulate Pollution over Kashmir Himalaya, India. <i>Water, Air, and Soil Pollution</i> , <b>2021</b> , 232, 1	2.6	3
81	Paleo-glacial and paleo-equilibrium line altitude reconstruction from the Late Quaternary glacier features in the Pir Panjal Range, NW Himalayas. <i>Quaternary International</i> , <b>2021</b> ,	2	4
80	Applications of glacial geomorphological and lichenometric studies for reconstructing the Late Holocene glacial history of the Hoksar valley, Kashmir Himalaya, India. <i>Geografiska Annaler, Series A: Physical Geography</i> , <b>2021</b> , 103, 51-68	1.1	1
79	Glacial geomorphology and recent glacial recession of the Harmukh Range, NW Himalaya. <i>Quaternary International</i> , <b>2021</b> , 575-576, 236-248	2	5
78	Late Quaternary Glacial Geomorphology of Kashmir Valley, NW Himalayas: A Case Study of the Sind Basin. <i>Geography of the Physical Environment</i> , <b>2021</b> , 145-157	1.1	1
77	Particulate pollution over an urban Himalayan site: Temporal variability, impact of meteorology and potential source regions. <i>Science of the Total Environment</i> , <b>2021</b> , 799, 149364	10.2	5
76	Impact of Climate Change on Vegetation Distribution in the Kashmir Himalaya. <i>Topics in Biodiversity and Conservation</i> , <b>2020</b> , 1029-1047	0.2	2
75	Jammu and Kashmir State: An Overview. <i>Topics in Biodiversity and Conservation</i> , <b>2020</b> , 129-166	0.2	6
74	Integration of social, economic and environmental factors in GIS for land degradation vulnerability assessment in the Pir Panjal Himalaya, Kashmir, India. <i>Applied Geography</i> , <b>2020</b> , 125, 102307	4.4	5
73	Twenty-first century-end climate scenario of Jammu and Kashmir Himalaya, India, using ensemble climate models. <i>Climatic Change</i> , <b>2020</b> , 162, 1473-1491	4.5	19
72	Satellite-observed glacier recession in the Kashmir Himalaya, India, from 1980 to 2018. <i>Environmental Monitoring and Assessment</i> , <b>2020</b> , 192, 597	3.1	23

71	The satellite observed glacier mass changes over the Upper Indus Basin during 2000-2012. <i>Scientific Reports</i> , <b>2020</b> , 10, 14285	4.9	20
70	Geospatial Assessment of Groundwater Quality in Udhampur District, Jammu and Kashmir, India. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , <b>2020</b> , 90, 883-897	0.9	2
69	Coronavirus pandemic versus temperature in the context of Indian subcontinent: a preliminary statistical analysis. <i>Environment, Development and Sustainability</i> , <b>2020</b> , 23, 1-11	4.5	10
68	Applying integrated remote sensing and field-based approach to map glacial landform features of the Machoi Glacier valley, NW Himalaya. <i>SN Applied Sciences</i> , <b>2019</b> , 1, 1	1.8	10
67	An Integrated Geoinformatics and Hydrological Modelling-Based Approach for Effective Flood Management in the Jhelum Basin, NW Himalaya. <i>Proceedings (mdpi)</i> , <b>2019</b> , 7, 8	0.3	22
66	Co-designing Indus Water-Energy-Land Futures. <i>One Earth</i> , <b>2019</b> , 1, 185-194	8.1	24
65	Environmental Infrasound and Its Impact on Public Health in the Kashmir Region. <i>Open Journal of Earthquake Research</i> , <b>2019</b> , 08, 165-190	0.8	
64	Influence of geomorphic and anthropogenic activities on channel morphology of River Jhelum in Kashmir Valley, NW Himalayas. <i>Quaternary International</i> , <b>2019</b> , 507, 333-341	2	17
63	Analyses of temperature and precipitation in the Indian Jammu and Kashmir region for the 1980-2016 period: implications for remote influence and extreme events. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 15-37	6.8	44
62	Modelling Chorabari Lake outburst flood, Kedarnath, India. <i>Journal of Mountain Science</i> , <b>2019</b> , 16, 64-76	2.1	15
61	Evaluating the Performance of Remotely Sensed Precipitation Estimates against In-Situ Observations during the September 2014 Mega-Flood in the Kashmir Valley. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , <b>2019</b> , 55, 209-219	2.1	9
60	Comparative assessment of soil erosion modelling approaches in a Himalayan watershed. <i>Modeling Earth Systems and Environment</i> , <b>2019</b> , 5, 175-192	3.2	14
59	Spatio-temporal variation of land surface temperature and temperature lapse rate over mountainous Kashmir Himalaya. <i>Journal of Mountain Science</i> , <b>2018</b> , 15, 563-576	2.1	32
58	Climatic, geomorphic and anthropogenic drivers of the 2014 extreme flooding in the Jhelum basin of Kashmir, India. <i>Geomatics, Natural Hazards and Risk</i> , <b>2018</b> , 9, 224-248	3.6	57
57	Winter Burst of Pristine Kashmir Valley Air. <i>Scientific Reports</i> , <b>2018</b> , 8, 3329	4.9	12
56	Geoinformatics based approach for estimating the sediment yield of the mountainous watersheds in Kashmir Himalaya, India. <i>Geocarto International</i> , <b>2018</b> , 33, 1114-1138	2.7	43
55	Environmetric and GIS techniques for hydrochemical characterization of the Dal lake, Kashmir Himalaya, India. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2018</b> , 32, 3151-3168	3.5	19
54	Seismic hazard and probability assessment of Kashmir valley, northwest Himalaya, India. <i>Natural Hazards</i> , <b>2018</b> , 93, 1451-1477	3	14

53	Streamflow response to shrinking glaciers under changing climate in the Lidder Valley, Kashmir Himalayas. <i>Journal of Mountain Science</i> , <b>2018</b> , 15, 1241-1253	2.1	21
52	Surge of Hispar Glacier, Pakistan, between 2013 and 2017 detected from remote sensing observations. <i>Geomorphology</i> , <b>2018</b> , 303, 410-416	4.3	20
51	Evaluation of terrigenous input, diagenetic alteration and depositional conditions of Lower Carboniferous carbonates of Tethys Himalaya, India. <i>Solid Earth Sciences</i> , <b>2018</b> , 3, 33-49	1.7	7
50	Assessing changes in the above ground biomass and carbon stocks of Lidder valley, Kashmir Himalaya, India. <i>Geocarto International</i> , <b>2017</b> , 32, 717-734	2.7	22
49	Assessing linkages between spatial facies changes and dimensional variations of glaciers in the upper Indus Basin, western Himalaya. <i>Geomorphology</i> , <b>2017</b> , 284, 115-129	4.3	27
48	The recent deglaciation of Kolahoi valley in Kashmir Himalaya, India in response to the changing climate. <i>Journal of Asian Earth Sciences</i> , <b>2017</b> , 138, 38-50	2.8	42
47	Hydrochemical characterization and pollution assessment of groundwater in Jammu Siwaliks, India. <i>Environmental Monitoring and Assessment</i> , <b>2017</b> , 189, 122	3.1	11
46	Management of <i>Nymphoides peltatum</i> using water level fluctuations in freshwater lakes of Kashmir Himalaya. <i>Limnology</i> , <b>2017</b> , 18, 219-231	1.7	11
45	Glacial-geomorphic study of the Thajwas glacier valley, Kashmir Himalayas, India. <i>Quaternary International</i> , <b>2017</b> , 444, 157-171	2	13
44	Variations in particulate matter over Indo-Gangetic Plains and Indo-Himalayan Range during four field campaigns in winter monsoon and summer monsoon: Role of pollution pathways. <i>Atmospheric Environment</i> , <b>2017</b> , 154, 200-224	5.3	78
43	Linking human-biophysical interactions with the trophic status of Dal Lake, Kashmir Himalaya, India. <i>Limnologica</i> , <b>2017</b> , 62, 84-96	2	31
42	Crustal Structure beneath the Kashmir Basin Adjoining the Western Himalayan Syntaxis. <i>Bulletin of the Seismological Society of America</i> , <b>2017</b> , 107, 2443-2458	2.3	10
41	Aerosol black carbon at an urban site-Srinagar, Northwestern Himalaya, India: Seasonality, sources, meteorology and radiative forcing. <i>Atmospheric Environment</i> , <b>2017</b> , 165, 336-348	5.3	45
40	Dimensional changes in the Kolahoi glacier from 1857 to 2014. <i>Environmental Monitoring and Assessment</i> , <b>2016</b> , 189, 5	3.1	16
39	A semi-automated approach for mapping geomorphology in mountainous terrain, Ferozpora watershed (Kashmir Himalaya). <i>Journal of the Geological Society of India</i> , <b>2016</b> , 88, 206-212	1.3	15
38	Estimating Land Surface Temperature and its Lapse Rate over Kashmir Valley Using MODIS Data <b>2016</b> , 723-728		7
37	Stream Flow Changes and Glacier Recession in the Upper Indus Basin <b>2016</b> , 905-908		
36	Massive land system changes impact water quality of the Jhelum River in Kashmir Himalaya. <i>Environmental Monitoring and Assessment</i> , <b>2016</b> , 188, 185	3.1	47

35	Inferring Land Surface Processes from Watershed Characterization <b>2016</b> , 741-744		18
34	Assessing the influence of watershed characteristics on the flood vulnerability of Jhelum basin in Kashmir Himalaya. <i>Natural Hazards</i> , <b>2015</b> , 77, 153-175	3	97
33	Projected climate change impacts on vegetation distribution over Kashmir Himalayas. <i>Climatic Change</i> , <b>2015</b> , 132, 601-613	4.5	57
32	Reply to the comment by Shah on Isotopic and micromorphological studies of Late Quaternary loess-paleosol sequences of the Karewa Group: inferences for palaeoclimate of Kashmir Valley. <i>Quaternary International</i> , <b>2015</b> , 374, 200-202	2	4
31	Paddy crop yield estimation in Kashmir Himalayan rice bowl using remote sensing and simulation model. <i>Environmental Monitoring and Assessment</i> , <b>2015</b> , 187, 316	3.1	12
30	New vegetation type map of India prepared using satellite remote sensing: Comparison with global vegetation maps and utilities. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2015</b> , 39, 142-159	7.3	100
29	Implications of Shrinking Cryosphere Under Changing Climate on the Streamflows in the Lidder Catchment in the Upper Indus Basin, India. <i>Arctic, Antarctic, and Alpine Research</i> , <b>2015</b> , 47, 627-644	1.8	77
28	Assessing the influence of watershed characteristics on the flood vulnerability of Jhelum basin in Kashmir Himalaya: reply to comment by Shah 2015. <i>Natural Hazards</i> , <b>2015</b> , 78, 1-5	3	35
27	Micromorphological investigations of the Late Quaternary loess-paleosol sequences of the Kashmir Valley, India. <i>Journal of Asian Earth Sciences</i> , <b>2015</b> , 111, 328-338	2.8	18
26	Isotopic and micromorphological studies of Late Quaternary loess-paleosol sequences of the Karewa Group: Inferences for palaeoclimate of Kashmir Valley. <i>Quaternary International</i> , <b>2015</b> , 371, 122-134	2.1	30
25	Recent glacier changes in the Kashmir Alpine Himalayas, India. <i>Geocarto International</i> , <b>2015</b> , 1-36	2.7	16
24	Sustainability of winter tourism in a changing climate over Kashmir Himalaya. <i>Environmental Monitoring and Assessment</i> , <b>2014</b> , 186, 2549-62	3.1	54
23	Land use land cover dynamics as a function of changing demography and hydrology. <i>Geo Journal</i> , <b>2014</b> , 79, 297-307	2.2	24
22	Tectono-geomorphic study of the Karewa Basin of Kashmir Valley. <i>Journal of Asian Earth Sciences</i> , <b>2014</b> , 92, 143-156	2.8	104
21	Morphometry and land cover based multi-criteria analysis for assessing the soil erosion susceptibility of the western Himalayan watershed. <i>Environmental Monitoring and Assessment</i> , <b>2014</b> , 186, 8391-412	3.1	84
20	Assessing the impacts of changing land cover and climate on Hokersar wetland in Indian Himalayas. <i>Arabian Journal of Geosciences</i> , <b>2014</b> , 7, 143-160	1.8	65
19	Modelling catchment hydrological responses in a Himalayan Lake as a function of changing land use and land cover. <i>Journal of Earth System Science</i> , <b>2013</b> , 122, 433-449	1.8	34
18	Integrating biophysical and socioeconomic information for prioritizing watersheds in a Kashmir Himalayan lake: a remote sensing and GIS approach. <i>Environmental Monitoring and Assessment</i> , <b>2013</b> , 185, 6419-45	3.1	42

17	Geospatial modelling approach for identifying disturbance regimes and biodiversity rich areas in North Western Himalayas, India. <i>Biodiversity and Conservation</i> , <b>2013</b> , 22, 2537-2566	3.4	22
16	Impact of anthropogenic activities on water quality of Lidder River in Kashmir Himalayas. <i>Environmental Monitoring and Assessment</i> , <b>2013</b> , 185, 4705-19	3.1	77
15	Morphotectonic and lithostratigraphic analysis of intermontane Karewa Basin of Kashmir Himalayas, India. <i>Journal of Mountain Science</i> , <b>2013</b> , 10, 1-15	2.1	56
14	Morphometric Analysis to Infer Hydrological Behaviour of Lidder Watershed, Western Himalaya, India. <i>Geography Journal</i> , <b>2013</b> , 2013, 1-14		77
13	Assessing the geoindicators of land degradation in the Kashmir Himalayan region, India. <i>Natural Hazards</i> , <b>2012</b> , 64, 1219-1245	3	29
12	Geoinformatics for assessing the morphometric control on hydrological response at watershed scale in the Upper Indus Basin. <i>Journal of Earth System Science</i> , <b>2012</b> , 121, 659-686	1.8	94
11	Geospatial tools for assessing land degradation in Budgam district, Kashmir Himalaya, India. <i>Journal of Earth System Science</i> , <b>2011</b> , 120, 423-433	1.8	31
10	Geospatial modeling for assessing the nutrient load of a Himalayan lake. <i>Environmental Earth Sciences</i> , <b>2011</b> , 64, 1269-1282	2.9	30
9	In Search of the Statistical Properties of High-Resolution Polarimetric SAR Data for the Measurements of Forest Biomass Beyond the RCS Saturation Limits. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2006</b> , 3, 495-499	4.1	13
8	Forest Structure Dependency of the Relation Between L-Band $\sigma^0$ and Biophysical Parameters. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2006</b> , 44, 3154-3165	8.1	68
7	Assessing the Potential of Space-borne C-band SAR Data for Spatial Soil Moisture Information over a Large Area. <i>Geocarto International</i> , <b>2004</b> , 19, 65-75	2.7	2
6	Radar remote sensing for monitoring of dynamic ecosystem processes related to biogeochemical exchanges in tropical peatlands. <i>Visual Geosciences</i> , <b>2004</b> , 9, 9-28		10
5	Geostatistical analysis of soil moisture measurements and remotely sensed data at different spatial scales. <i>Environmental Geology</i> , <b>2004</b> , 45, 339-349		21
4	Influence of surface and vegetation characteristics on C-band radar measurements for soil moisture content <b>2002</b> , 30, 229-244		11
3	C-band radar for soil moisture estimation under agricultural conditions		2
2	Peatland ecosystem characterization employing L-band SAR		1
1	Coronavirus Pandemic vs. Temperature in the context of Indian Subcontinent A preliminary statistical analysis		2