

DEPARTMENT OF GEOINFORMATICS

UNIVERSITY OF KASHMIR

Number of research papers published per teacher in the
Journals as notified on UGC CARE list during the last
five years (2019-2024)

Number of research papers published in the Journals as
notified on UGC website during the last five years

Total No. of Publications (2019-2024) = 44

S.N o.	Title	Authors	Journal Name	Ye ar	ISS N No.	Link to website of the Journal
1	Co-designing Indus Water-Energy-Land Futures.	Yoshihide Wada, Adriano Vinca, Simon Parkinson, Barbara A. Willaarts, Shakil Ahmad Romshoo	One Earth, 185-194	2019	2590-3322	https://doi.org/10.1016/j.oneear.2019.10.006
2	Geo-spatial assessment of groundwater quality in Udhampur Sub-Himalaya, Jammu and Kashmir, India. Proceedings of the National Academy of Sciences,	Khalid Omar Murtaza, Shakil Ahmad Romshoo, Irfan Rashid and Waheed Shah	India Section A: Physical Sciences, 90(5), 883-897	2019	2250-1762	https://doi.org/10.1007/s40010-019-00630-7

3	Environmental Infrasound and Its Impact on Public Health in the Kashmir Region	Gopalaswami Raghavan, Shakil Ahmad Romshoo, Chandra, R., and T. Natarajan	Open Journal of Earthquake Research, Vol, 2019(8): 165-190	2019	2169-9623	https://doi.org/10.4236/ojer.2019.83010
4	Applying integrated remote sensing and field-based approach to map glacial landform features of the Machoi Glacier valley, NW Himalaya.	Ishfaq Paul, Gowhar Meraj, Shakil Ahmad Romshoo	Springer Nature Applied sciences, 1(2019): 1-13	2019	3004-9261	https://doi.org/10.1007/s42452-019-0503-7
5	Analyses of temperature and precipitation in the Indian Jammu and Kashmir region for the 1980–2016 period: implications for remote influence and extreme events	Sumira N. Zaz, Shakil Ahmad Romshoo, T. K. Ramkumar and V. Yesu Babu	Atmos. Chem. Phys., 19, 15–37,	2019	1680-7324	https://doi.org/10.5194/acp-19-15-2019
6	Modelling Chorabari Lake outburst flood, Kedarnath, India. ,	Mohammd Rafiq, Shakil Ahmad Romshoo, Onoop Mishra and Faizan Bhat	Journal of Mountain Science ol. 16, pages 64–76	2019	1672-6316	https://doi.org/10.1007/s11629-018-4972-8
7	Influence of geomorphic and anthropogenic	Dar, R. A, Mir, S. A. and Romshoo,	Quaternary International, 507(2019): 331-341	2019	1040-6182	https://doi.org/10.1016/j.quaint.2018.12.014

	activities on channel morphology of River Jhelum in Kashmir Valley, NW Himalayas.	Shakil Ahmad				
8	An Integrated Geoinformatics and Hydrological Modelling-Based Approach for Effective Flood Management in the Jhelum Basin, NW Himalaya.	Gowhar Meraj, Tanzeel Khan, Shakil A Romshoo, Majid Farooq, Kumar Rohitashw, Bashir Ahmad Sheikh	Proceedings 2019, 7, 8	2019	2504-3900	https://doi.org/10.3390/ECWS-3-15050804
9	High Resolution Remote Sensing for Improving Environmental Friendly Tourism Master Planning in the Alpine Himalaya.	Shakil Ahmad Romshoo and Midhat Fayaz	Journal of Himalayan Ecology and Sustainable Development. Vol. 14(2019): 34-52,	2019	0973-7502	
10	Glacio-geomorphological and lichenometric studies for reconstructing the glacial history of the Hoksar glacier valley, Kashmir Himalaya, India.	Khalid Omar Murtaza and Shakil Ahmad Romshoo	Geografiska Annaler	2019	1468-0459	https://doi.org/10.1080/04353676.2020.1822001
11	Glacier geomorphology and glacier recession of	Khalid Omar, Riyaz A. Dar, Omar	Quaternary International.	2020	1040-6182	https://doi.org/10.1016/j.quaint.2020.08.044

	the Harmukh range, Kashmir Himalaya.	Paul, Nisar Ahmad and Shakil A. Romshoo				
12	The Satellite Observed Glacier Mass Changes over the Upper Indus Basin during 2000-2012.	Tariq Abdullah, Shakil Ahmad Romshoo, and Irfan Rashid	Nature Scientific Reports.	20 20	204 5- 232 2	http://www.nature.com/articles/s41598-020-71281-7
13	21st Century-end Climate Scenario of Jammu and Kashmir Himalaya, India using Ensemble Climate Models.	Romshoo, S. A., Jasia Bashir and Irfan Rashid	Climatic Change. 62(3), 1473-1491	20 20	157 3- 148 0	https://doi.org/10.1007/s10584-020-02787-2
14	Satellite Observed Glacier Recession in the Kashmir Himalaya, India from 1980-2018.	Romshoo, S. A., Midhat Fayaz, Gowhar Meraj and I. M. Bahuguna	Environmental Monitoring and Assessment. 24;1 92(9):597	20 20	157 3- 295 9	doi: 10.1007/s10661-020-08554-1
15	Integration of Social, Economic and Environmental Factors in GIS for Land Degradation Vulnerability Assessment in Himalaya	Romshoo, Shakil Ahmad, Amin, M, KLN Sastry and Manish Kumar	Applied Geography, 125, 102307	20 20	014 3- 622 8	https://doi.org/10.1016/j.apgeog.2020.102307
16	Coronavirus Pandemic vs. Temperature in the context of Indian Subcontinent– A preliminary statistical analysis.	Meraj, G., Farooq, M., Singh, S. K., Romshoo, Shakil Ahmad, Nathawat,	Environment, Development and Sustainability,	20 20	157 3- 297 5	https://doi.org/10.1007/s10668-020-00854-3

		M. S., & Kanga, S.				
17	Evaluation of various DEMs for quantifying soil erosion under changing land use and land cover in the Himalaya.	Romshoo, Shakil Ahmad, Aazim Yousuf, Sadaf Altaf and Muzamil Amin	Frontiers in Earth Sciences,	20 21	229 6- 646 3	https://doi.org/10.3389/feart.2021.782128
18	Particulate Pollution Over the Idyllic Kashmir Urban Site: Temporal Variability, Meteorology and Potential Sources.	Romshoo, Shakil Ahmad, Mudasir Ahmad Bhat and Gufran Beig	Science of the Total Environment,	20 21	187 9- 102 6	https://doi.org/10.1016/j.scitoten.v.2021.149364
19	Evaluation of the Global and Regional Glacier Inventories and Assessment of Glacier Thickness Changes over North-western Himalaya.	Romshoo, Shakil Ahmad, Tariq Abdullah, and Mustafa Hameed Bhat	Earth System Science Data Discuss. [preprint]	20 21	186 6- 351 6	https://doi.org/10.5194/essd-2021-28
20	Paleo-glacial and paleo-equilibrium Line Altitude reconstruction from the Late Quaternary glacial features in the Pir Panjal Range, NW Himalayas.	Omar Jaan Paul, Reyaz A. Dar, and Shakil Ahmad Romshoo	Quaternary International,	20 21	104 0- 618 2	https://doi.org/10.1016/j.quaint.2021.03.005

21	Estimation of PM10 and PM2.5 over Kashmir Himalaya, India Using Satellite Remote Sensing.	Mudasir Ahmad Bhat, Shakil Ahmad Romshoo and Gufran Beig	Water, Air and Soil Pollution,232:120	2021	1573-2932	https://doi.org/10.1007/s11270-021-05062-x
22	Paleo-glacial reconstruction of the Thajwas Glacier in the Kashmir Himalaya Using 10Be Cosmogenic Radionuclide and Schmidt hammer exposure age dating.	Omar Jan Paul, Shakil Ahmad Romshoo, Reyaz Ahmad Dar, Soumya Dhal, Pankaj Kumar Baghel, and Sundeep Chopra	Geoscience Frontiers	2022	2588-9192	https://doi.org/10.1016/j.gsf.2022.101432
23	Explaining the natural and anthropogenic factors driving glacier recession in Kashmir Himalaya, India.	Rashid, I., Tariq Abdullah and Shakil Ahmad Romshoo (Environmental Science and Pollution.	2022	1614-7499	https://doi.org/10.1007/s11356-022-24243-7
24	Towards understanding various influences on mass balance of the Hoksar Glacier in the Upper Indus Basin using observations.	Romshoo, Shakil Ahmad, Khalid Omar Murtaza and Tariq Abdullah	Scientific Reports, 12:15669	2022	2045-2322	https://doi.org/10.1038/s41598-022-20033-w
25	Impact of Climate Change on Snow Precipitation and	Romshoo, Shakil Ahmad and Asif Marazi	Climatic Change (2022), 1706	2022	0165-0009	https://doi.org/10.1007/s10584-021-03297-5

	Streamflow in the Upper Indus Basin by the end of 21st Century.					
26	Anthropogenic climate change drives melting of glaciers in the Himalaya.	Romshoo, Shakil Ahmad, Khalid Omar Murtaza, Waheed Shah, Tawseef Ramzan, Ummer	Environmental Science and Pollution	2022	1614-7499	https://doi.org/10.1007/s11356-022-19524-0
27	Explaining differential response of glaciers across different mountain ranges in the north-western Himalaya, India	Romshoo, Shakil Ahmad Tariq Abdullah, Irfan Rashid and I.M Bahuguna	Cold Region Science and Technology, Vol., 196 (2022) 103515,	2022	0165-232X	https://doi.org/10.1016/j.coldregions.2022.103515
28	Long-term variability, meteorological influences, source apportionment and long-range transport of black carbon aerosol at a high-altitude urban centre in the Kashmir valley, north-western Himalaya.	Mudasir Ahmad Bhat, Romshoo, Shakil Ahmad and Gufran Beigh	Environmental Pollution	2022	0269-7491	https://doi.org/10.1016/j.envpol.2022.119295
29	Cirque development in the Pir Panjal Range of North Western	Omar Paul, Reyaz A Dar and Shakil A. Romshoo	Catena, Vol. 213 (106179)	2022	0341-8162	https://doi.org/10.1016/j.catena.2022.106179

	Himalaya, India.					
30	Impact of Land System Changes and Extreme Precipitation on Peak Flood Discharge and Sediment Yield in the Upper Jhelum Basin, Kashmir Himalaya.	Aazim Yousuf and Romshoo, Shakil Ahmad	Sustainability	20 22	207 1- 105 0	https://doi.org/10.3390/su142013602
31	Flood Vulnerability assessment of the Upper Jhelum basin using HEC-HMS model.	Sadaf Altaf and Romshoo, Shakil Ahmad	Geocarto International	20 22	175 2- 076 2	https://doi.org/10.1080/10106049.2022.2090617
32	Debris-cover impact on glacier melting in the Upper Indus Basin.	Basharat Nabi, Romshoo Shakil Ahmad, and Reyaz Ahmad Dar	Polar Sciences, 100867.	20 22	187 6- 442 8	https://doi.org/10.1016/j.polar.2022.100867
33	Landslide Susceptibility Mapping of Kashmir Himalaya India, Combining Modeling Approaches in GIS.	Sumira N. Zaz, and Shakil A. Romshoo	Arabian Journal of Geosciences,	20 22	186 6- 751 1	https://doi.org/10.1007/s12517-022-09699-8
34	Desertification and land degradation; Concept to Combating.	Romshoo, Shakil Ahmad	Journal of Indian Society of Remote Sensing, Volume 51, No. 9, 1917-1918.	20 23	097 4- 300 6	https://doi.org/10.1007/s12524-023-01762-5
35	Direct, geodetic and simulated mass balance	Romshoo, Shakil Ahmad, Tariq	Journal of Hydrology	20 23	187 9- 270 7	https://doi.org/10.1016/j.jhydrol.2022.129019

	studies of the Kolahoi Glacier in the Kashmir Himalaya, India.	Abdullah, Khalid Omar Murtaza and Mustafa Bhat				
36	Paleoclimate, productivity and anthropogenic eutrophication : Drawing inferences from paleolimnological proxy records of the Kashmir Valley, northwestern Himalaya	Asif Lone, Reyaz Ahmad Dar and Romshoo, Shakil Ahmad	Quaternary Science Advances, volume 13 (2024),	20 23	266 6- 033 4	https://doi.org/10.1016/j.qsa.2023.100128
37	Understanding the linkages between spatio-temporal urban land system changes and land surface temperature in Srinagar City, India, using image archives from Google Earth Engine,	Khalid Omar Murtaza, Shahid Shafai and Shakil Ahmad Romshoo	Environmental Science and Pollutions Research,	20 23	161 4- 749 9	https://doi.org/10.1007/s11356-023-28889-9
38	Statistical downscaling of multi-model ensemble climate projections by the late 21st century in the Upper Indus Basin.	Jasia Bashir and Romshoo, Shakil Ahmad	Environmental Science and Pollutions Research,	20 23	161 4- 749 9	https://doi.org/10.1007/s11356-023-26898-2

39	Earthquake Vulnerability Assessment of the Built Environment in the city of Srinagar, Kashmir Himalaya, Using geographic information system.	Midhat Fayaz, Shakil Romshoo, Irfan Rashid, and Rakesh Chandra	Natural Hazards and Earth System Sciences (NHES), 33(4): 1593:1611	20 23	168 4- 998 1	https://doi.org/10.5194/nhess-23-1593-2023
40	Glacier thickness and volume estimation in the Upper Indus Basin using modelling and ground penetrating radar measurements	Romshoo, Shakil Ahmad, Tariq Abdullah and Umar Amin	Annals of Glaciology,	20 24	172 7- 564 4	https://doi.org/10.1017/aog.2024.2
41	Influence of debris cover on the glacier melting in the Himalaya.	Romshoo, Shakil Ahmad., Basharat Nabi, and Reyaz Ahmad Dar	Cold Regions Science and Technology (2024): 104204	20 24	016 5- 232 X	https://doi.org/10.1016/j.coldregions.2024.104204
42	Comprehensive analysis of glacier recession (2000–2020) in the Nun-Kun Group of Glaciers, Northwestern Himalaya.	Romshoo, Shakil Ahmad, et al.	Journal of Mountain Science 21.3 (2024): 410-427	20 24	167 2- 631 6	https://doi.org/10.1007/s11629-023-8266-4
43	Impact of climate change and anthropogenic activities on lacustrine	Shah, Rayees Ahmad, et al.	Environmental Quality Management	20 24	152 0- 648 3	https://doi.org/10.1002/tqem.22200

	ecosystems of the Kashmir Valley, NW Himalaya, India					
44	Unveiling the impact of debris-cover and topography on glacier recession in the Kashmir Himalaya.	Romshoo, Shakil Ahmad, Mustafa Hamid Bhat, Umar Amin and Tariq Abdullah	Journal of Mountain Science,	20 24	167 2- 631 6	https://doi.org/10.1007/s11629-023-8266-4

List of Book Chapter

S.No.	Name of Author	Title of Book	Title of Chapter	ISBN	Publisher
1	Romshoo S.A., Rashid I., Altaf S., Dar G.H.	Topics in Biodiversity and Conservation, vol 18.	An Overview. In: Dar G., Khuroo A. (eds) Biodiversity of the Himalaya: Jammu and Kashmir State.	18751288	Springer, Singapore.
2	Rashid Irfan, Romshoo Shakil Ahmad	Topics in Biodiversity and Conservation, vol 18.	Impact of Climate Change on Vegetation Distribution in the Kashmir Himalaya. In: Dar G., Khuroo A. (eds) Biodiversity of the Himalaya: Jammu and Kashmir State.	18751288	Springer, Singapore.
3	Reyaz Ahmad Dar, Omar Jaan Paul, Khalid Omar Murtaza and, Shakil Ahmad Romshoo	Water, Cryosphere, and Climate Change in the Himalayas, Geography of the Physical Environment	Late Quaternary Glacial Geomorphology of Kashmir Valley, NW Himalayas: A Case Study of the Sind Basin	978-3-030-67934-7	Springer,
4	Andrew Orr, Bashir Ahmad, Undala Alam, Arivudai Nambi Appadurai, Zareen P. Bharucha, Hester Biemans, Tobias	Earth's Future	Knowledge Priorities on Climate Change and Water in the Upper Indus Basin: A Horizon Scanning Exercise to Identify the Top 100 Research Questions in Social and Natural Sciences.	2328-4277	AGU

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