



Name:	Dr Rakesh Saini, Associate Professor, DSE, University of Delhi		
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Mobile No:	+91 8823061771	Total Impact Factor	88
Vidwan ID	Vidwan Profile Page (inflibnet.ac.in)	Total Citation	854
Orcid Id	0000-0003-4165-7423	H-Index	9
Scopus Id	Saini, Rakesh - Author details - Scopus	i10-Index	9

Research Area: My research focuses on the reconstruction of Holocene climate, glacial fluctuations and its impact on peopling using geomorphological and archaeological evidences in the Himalaya.

Education:

2020	PhD “Human Response to Holocene Climatic and Environmental Changes in the Miyar Basin, Lahaul Himalaya, India” Jawaharlal Nehru University, New Delhi.
2008	M.Phil. “Glacier Dynamics, Water Resource Assessment and Landscape Evolution in Lahaul Himalaya, India” Jawaharlal Nehru University (JNU), New Delhi.
2005	MA. Geography, Jawaharlal Nehru University (JNU), New Delhi.

Employment:

January 2026 – Present	Associate Professor , Department of Geography, Delhi School of Economics, University of Delhi, Delhi.
2024-2026	Associate Professor , Department of Geography, Hemavati Nandan Bahuguna Garhwal University (A Central University), Srinagar, UK
2013-2024	Assistant Professor , Department of General & Applied Geography, Dr Harisingh Gour Central University, Sagar, Madhya Pradesh
2012-2013	Geographer , Directorate of Census Operations, Madhya Pradesh, Office of the Registrar General of India, Bhopal.
2010-2012	President Oikos_newDelhi
2006-2009	Research Assistant, Jawaharlal Nehru University, New Delhi.

Research Grants & Fellowships:

SERB/ANRF	Constraining the Little Ice Age in the Western Himalayas (78.08 Lakh)
IUAC	
PAGES	International Travel Award (\$1225) 7th PAGES Open Science Meeting (OSM) in Shanghai, China
PAGES	International Travel Grant worth (\$ 1000) to attend the PAGES2k Workshop on “Global-scale hydroclimate Synthesis of the Common Era” between the 9th and 12th of September 2024 held at University of Nottingham, United Kingdom

Academic Council DHGSU	Research Award 2019, Academic Council of Dr Harisingh Gour Vishwavidyalaya, Sagar
INQUA	25 th International Union for Quaternary Research(INQUA) Congress Bursary 2019 at Dublin, Northern Ireland (Euros 3245)
University of Chicago	International Travel Grant by University of Chicago Center in Paris, to participate as an expert in LandUse6k: Putting History to Work on Climate Change, a workshop on land use classification, October, 2015
Queen's Fellowship	Queen's Fellowship (£ 1500) to cover the stay at Queen's University Belfast, Northern Ireland, UK between July-August, 2009
UGC, New Delhi	Research Fellowship in Sciences as a Meritorious Student (RFSMS)

Recent Research Publications:

1. **Saini, Rakesh**; Bhagat, Gangasagar; Ramiz, Mohammad; Mankotia, Sakshi (2026) "Understanding glacier dynamics since the Little Ice Age in the sub-basins of Chandrabhaga Basin, Lahaul Himalaya, India, *Frontiers in Water*, DOI 10.3389/frwa.2026.1691398 . **Q1 Impact Factor 2.86**
2. Bhagat, G.S and **Saini, Rakesh** (2026) "Mapping Temporal Changes of Contemporary Glaciers in the Chandra Basin, Lahaul Himalaya between 1989 and 2022", *Journal of the Indian Society of Remote Sensing*. **Q2 Impact Factor 2.1**
3. Deswal, Sanajy; Parkash, S; Chakarborty, E; Sharma, MC; **Saini, Rakesh**; Kumar, P; Dalal, P (2025) Manuscript entitled "Disparate hypsometry and consequential recession pattern variations of the glaciers originating from a single source in the Himachal Himalaya, India: Accepted for publication in the *Journal of Earth System Science*. **Q2 Impact Factor 2.0**
4. Pooja, Pawan Kumari, Surbhi Gauri Sanjay Deswal, **Rakesh Saini**, Syed Umer Latief and Milap Chand Sharma (2024) Implications of Cloud Burst and Heavy Precipitation during the Uttarakhand Disaster (2013) on the Frontal Dynamics of the Gangotri Glacier, *Disaster & Development*, Vol. 13, Issue 01, January to June 2024. NIDMJOURNALJanJun20242.pdf.
5. Das, Suresh; Murrari, Madhav; Sharma, M.C.; **Saini, Rakesh**; Jasiwal, M.K.; Kumar, P.V.; Kumar P (2023) Constraining the Quaternary Glacial History of Lahaul Himalaya, Northern India, *Quaternary Science Reviews*, Volume 316, 15 September 2023, 108258, <https://doi.org/10.1016/j.quascirev.2023.108258>. **Impact Factor 4.456**
6. Deswal, Sanjay; Sharma, Milap Chand , **Saini , Rakesh**; Dalal, Padma ; Kumar, Parmod (2022) Reconstruction of post-little ice age glacier recession in the Lahaul Himalaya, north-west India, *Geografiska Annaler Series A Physical Geography*, Dec, 2022, DOI: 10.1080/04353676.2022.2148082, **Impact Factor 1.8**
7. Deswal, Sanjay; Sharma, Milap Chand , **Saini , Rakesh**; Dalal, Padma ; Kumar, Parmod (2020) Preliminary results of hybrid bathymetry and GLOF risk assessment for Neelkanth lake, Lahaul Himalaya, India, *Current Science*, Volume 119, Pages 1555-1557, **Impact Factor 1.16**
8. Kumar, Parvendra; Sharma, M.C.; **Saini, Rakesh**, Singh, G.K. (2020) Climatic variability at Gangtok and Tadong weather observatories in Sikkim, India, during 1961–2017, *Scientific Reports (Nature)*, 10(1):15177, DOI: 10.1038/s41598-020-71163-y, **Impact Factor 4.997**.
9. Stephens, Lucas and **Saini, Rakesh** et. al, (2019) Archaeological assessment reveals Earth's early transformation through land use,

- Science, 30 Aug, 2019:Vol. 365, Issue 6456, pp. 897-902, DOI: 10.1126/science.aax1192, **Impact factor, 63.832**
10. **Saini, Rakesh**; Sharma, MC; Deswal, S; Barr, ID; Kumar, P, Kumar P, Kumar, P and Chopra, S (2019) Glacio-archaeological evidence of permanent settlements within a glacier end moraine complex during 980-1840 AD: The Miyar Basin, Lahaul Himalaya, India, *Anthropocene*, Vol. 26, doi.org/10.1016/j.ancene.2019.100197, **Impact Factor 3.969**
 11. Kathleen D. Morrison et al. and **Rakesh Saini** (2018) Global-scale comparisons of human land use: developing shared terminology for land-use practices for global change, *PAGES Science Magazine*, DOI: 10.22498/pages.26.1.8
 12. Deswal, Sanjay; Sharma, M.C.; **Saini, Rakesh**; Chand, P.; Juyal, Navin; Singh, Ishwar; Srivastava; Aja; Bahuguna, I.M. (2017), Late Holocene Glacier Dynamics in the Miyar Basin, Lahaul Himalaya, India, *Geosciences* 2017, 7(3), 64;doi.org/10.3390/geosciences7030064, **Cite Score 3.14**
 13. **Saini, Rakesh**; Sharma, Milap Chand; Deswal, Sanjay; Barr, Iestyn David; Kumar, Parvendra(2016) Glacio-archaeological evidence of warmer climate during the Little Ice Age in the Miyar basin, Lahul Himalaya, India, *Clim. Past Discuss.*, doi:10.5194/cp-2016-101, 2016. **Cite Score 4.3**
 14. Pritam Chand, Milap Chand Sharma, Ujjal Deka Baruah, Sanjay Deswal, Syed Umer Latief, **Rakesh Saini**, Parvendra Kumar, Satya Prakash and Pawan Kumar (2019) Shrinking Glaciers of the Himachal Himalaya: A Critical Review, In: Saikia A., Thapa P. (eds) *Environmental Change in the Himalayan Region*. Springer, Cham, pp 89-115, https://doi.org/10.1007/978-3-030-03362-0_5,
 15. Saraswat et al. and **Saini, Rakesh** (2016) *Monitoring Snow and Glaciers of Himalayan Region*, Space Application Centre, ISRO, Ahmedabad, India, 413 Pages, ISBN 978-9382760-24-5.
 16. Team and **Saini, Rakesh** (2013) *atlas on houses, household amenities and assets*, a publication of the Registrar General of India.
 17. Saini, Rakesh (2012) *Climate Change & Glacier Dynamics in Lahaul Himalayas: Present & Palaeo Glacial Fluctuations of Lahaul Himalaya*, LAP LAMBERT Academic Publishing, 100 Pages, ISBN 10: 3659119369.
 18. Team and **Saini, Rakesh**. (2012) *Administrative Atlas of Madhya Pradesh 2011 Vol-I*, Geeta Press, New Delhi, a publication of the Registrar General of India.
 19. Team and **Saini, Rakesh**. (2012) *Administrative Atlas of Madhya Pradesh 2011 Vol-II*, Geeta Press, New Delhi, a publication of the Registrar General of India.
 20. Ajai et al. and **Saini, Rakesh** (2010) *Snow and Glacier of the Himalayas*, Space Application Center, ISRO, Ahmedabad, India, 290 Pages, ISBN 978-81- 909978-7-4.

Academic & Administrative Responsibilities:

Subject Expert Member NCERT 11-12th Books 2025-26.

Assistant Director, IQAC 2024-25, HNB Garhwal Central University, Srinagar, UK

Project Reviewer for SERB/DST Government of India Coordinator Refresher Course on “Geography & Earth Sciences”

Principal Investigator (SERB/DST Core Grant Project on “Constraining the Little Ice Age in the Western Himalayas”

Subject Expert Selection Committee (Geography) for Guest Faculty 2024-25

Member Board of Studies 2024-2026, Department of Geography, HNB Garhwal Central University, Srinagar, UK

Organizing Secretary of one day National Seminar and the 11 Annual Meet of the Geographical Society of Uttarakhand on the theme “Navigating Himalayan Ecology, Environment & Society for Disaster Risk Reduction” to be held on 22nd March 2025 at Academic

Activity Centre, HNB Garhwal Central University, Srinagar.

Convenor of SERB-sponsored Workshop on “Constraining the Little Ice Age in the Western Himalayas” held on 8th March 2025 at the Academic Activity Centre, HNB Garhwal University, Srinagar, UK.

Organising Secretary of the 46th IIG Annual Meet Cum International Conference on “Dynamic Earth Fragile Environment and Path to Climate Resilient Societies” held at the Department of Geography, HNB Garhwal Central University, Srinagar between 25-27 Nov, 2025.

Memberships in Academic Bodies:

Association of Polar Early Career Scientists

Association of Quaternary Researchers (AOQR)

Indian Institute of Geomorphologists

LandUse6K, Asia2K, Archaeoglobe

Foreign Visits:

- ❖ PAGES Open Science Meeting, Shanghai China, 21-25th May 2025
- ❖ 20th INQUA Congress held at Dublin, Ireland between 25th and 31st July 2019
- ❖ London, United Kingdom for 20th INQUA Congress between 25th and 31st July 2019
- ❖ Chicago University Center in Paris, Paris, France, 2015
- ❖ St Gallen University, Zurich, Switzerland, 2010
- ❖ Queen's University Belfast, Northern Ireland, United Kingdom, 2009

Project Reviewed for Agencies:

ANRF (SERB), DST, Government of India.

- Core Research Grant **5.01 Crore**
- Core Research Grant **2.55 Crore**
- Core Research Grant **79 Lakh**

Ministry of Earth Science, Govt of India.

- **Hydrology & Cryosphere 1.16 Crore**

Contact Details:

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