



<b>Contact Details:</b>	<b>Dr Rakesh Saini</b> , Department of Geography, Hemvati Nandan Bahuguna Garhwal University, Srinagar,		
246147		<b>Total Impact Factor</b>	<b>85.794</b>
<b>Email id:</b>	<a href="mailto:rakesh83jnu@hotmail.com">rakesh83jnu@hotmail.com</a>	<b>Average Impact factor</b>	<b>12.256</b>
<b>Mobile No:</b>	+91 8823061771	<b>Total Citation</b>	<b>606</b>
<b>Weblink</b>	<a href="#">Vidwan   Profile Page (inflibnet.ac.in)</a>	<b>H-Index</b>	<b>7</b>
<b>Orcid Id</b>	<a href="#">0000-0003-4165-7423</a>	<b>h0-Index</b>	<b>7</b>
<b>Scopus Id</b>	<a href="#">57206265012</a>		
<b>Google Scholar Id</b>	<a href="#">PRoY3loAAAAJ</a>		

<b>Designation:</b>	❖ <b>Associate Professor</b> , Department of Geography, Hemvati Nandan Bahuguna Garhwal University ( A Central University), Srinagar, Uttarakhand (March 2024 to Present)
<b>Education:</b>	❖ <b>PhD, JNU New Delhi</b>
<b>Past Employment:</b>	<ul style="list-style-type: none"> <li>❖ <b>Assistant Professor 2013- March 2024</b> Dr Harisingh Gour Central University Sagar, M.P.</li> <li>❖ <b>Geographer 2012-2013</b> In the Office of the Registrar General of India, New Delhi</li> <li>❖ <b>President (2010-2012) and Founding Member</b> Oikos New Delhi <a href="https://oikos-international.org/">https://oikos-international.org/</a></li> <li>❖ <b>RA 2006-2009</b> SAC/ISRO at CSRD/SSS/JNU, New Delhi</li> </ul>
<b>Research Area:</b>	My research focuses on the reconstruction of Holocene climate, glacial fluctuations and its impact on peopling using geomorphological and archaeological evidence in the Lahaul Himalayas.
<b>Ongoing Research project</b>	<ol style="list-style-type: none"> <li>1. Received <b>Rs 79.08 Lakh Grant</b> under Core Research Grant from SCIENCE &amp; ENGINEERING RESEARCH BOARD (A statutory body of the Department of Science &amp; Technology, Government of India) through Letter No CRG/2021/004031 dated 30 May, 2022, for <b>year 2022-25</b>.</li> <li>2. <sup>10</sup>Be <sup>26</sup>Al Cosmogenic Radio Nuclide Dating for Constraining the Little Ice Age in the Western Himalayas, supported by <b>Inter-University</b></li> </ol>

	<p><b>Accelerator Centre (IUAC), New Delhi</b></p> <p>3. <math>^{10}\text{Be}</math> <math>^{26}\text{Al}</math> Cosmogenic Radio Nuclide Dating for Reconstruction of Style and Timing of the glacial fluctuations in the Chandrabhaga basin, Lahaul Himalaya supported by <b>Inter-University Accelerator Centre (IUAC), New Delhi</b></p> <p>4. <math>^{10}\text{Be}</math> <math>^{26}\text{Al}</math> Cosmogenic Radio Nuclide Dating for Reconstruction of Palaeo and Present glacier fluctuations in the Zaskar basin through Landform Interpretation supported by <b>Inter-University Accelerator Centre (IUAC), New Delhi</b></p>
<b>Awards/ Honors received:</b>	<ol style="list-style-type: none"> <li>Received Facilitation by <b>Academic Council of Dr Harisingh Gour Vishwavidyalaya, Sagar</b> for publishing an article in the Prestigious <i>Journal of the World</i>; <b>SCIENCE (Impact Factor 63)</b>, 26 Nov, 2019.</li> <li>Received International Travel Grant <b>cum Congress Attendance Support</b> by the <b>International Union for Quaternary Research (INQUA)</b> to attend the 20th INQUA Congress to be held between 25th and 31st July 2019 at Dublin, Ireland. Euros 3245.</li> <li>Received <b>International Travel Grant by University of Chicago Center in Paris</b>, to participate as an expert in Past Global Changes (PAGES), LandUse6k: Putting History to Work on Climate Change, a workshop on land use classification, October, 2015.</li> <li>Received <b>Queen's Fellowship</b> to cover the stay at Queen's University Belfast, Northern Ireland, UK between July-August, 2009.</li> <li>Received <b>International Travel Grant from Oikosinternational.org</b> to participate as a President of Local chapter (Oikos-New Delhi) in President and Advisors Retreat 2010 at Felzbach, Zurich, Switzerland</li> <li>Received <b>Research Fellowship</b> in Sciences as a Meritorious Student (RFSMS) by UGC, New Delhi, 2009-2012.</li> </ol>

<b>Important Research Publications</b>	<ul style="list-style-type: none"> <li>Das, Suresh; Murrari, Madhav; Sharma, M.C.; <b>Saini, Rakesh</b>; Jasiwal, M.K.; Kumar, P.V.; Kumar P (2023) Reconstraining the Quaternary Glacial History of Lahaul Himalaya, Northern India, <i>Quaternary Science Reviews</i>, Volume 316, 15 September 2023, 108258, <a href="https://doi.org/10.1016/j.quascirev.2023.108258">https://doi.org/10.1016/j.quascirev.2023.108258</a>. <b>Impact Factor 4.456</b></li> <li>Deswal, Sanjay; Sharma, Milap Chand, <b>Saini, Rakesh</b>; Dalal, Padma; Kumar, Parmod (2022) Reconstruction of post-little ice age glacier recession in the Lahaul Himalaya, north-west India, <i>Geografiska Annaler Series A Physical Geography</i>, Dec, 2022, DOI: <a href="https://doi.org/10.1080/04353676.2022.2148082">10.1080/04353676.2022.2148082</a>, <b>Impact Factor 1.4</b></li> <li>Deswal, Sanjay; Sharma, Milap Chand, <b>Saini, Rakesh</b>; Dalal, Padma; Kumar, Parmod (2020) Preliminary results of hybrid bathymetry and GLOF risk assessment for Neelkanth lake, Lahaul Himalaya, India, <i>Current Science</i>, Volume 119, Pages 1555-1557, <b>Impact Factor 1.16</b></li> <li>Kumar, Parvendra; Sharma, M.C.; <b>Saini, Rakesh</b>, Singh, G.K. (2020) Climatic variability at Gangtok and Tadong weather observatories in Sikkim, India, during 1961–2017, <i>Scientific Reports (Nature)</i>, 10(1):15177, DOI: <a href="https://doi.org/10.1038/s41598-020-71163-y">10.1038/s41598-020-71163-y</a>, <b>Impact Factor 4.997</b></li> </ul>
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- 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**
- **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**
- 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
- 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/geosciences 7030064, **Cite Score 3.14**
- **Rakesh Saini**, Milap Chand Sharma, Sanjay Deswal, Iestyn David Barr, Parvendra Kumar (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**
- 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](https://doi.org/10.1007/978-3-030-03362-0_5),
- 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.
- Team and **Saini, Rakesh** (2013) *atlas on houses, household amenities and assets*, a publication of the Registrar General of India.
- **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.
- 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.
- 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.
- 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.

**Foreign Visits:**

- ❖ 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

**Academic Deliverance  
& Participation:**

1. Kumar, P; Sharma, M.C.; Saini, Rakesh (2015) presented a paper "Fusion of DGPS, Total Station and GPR Data for the 3-D Mapping of Himalayan Cryosphere : Application and Potential", XXXV INCA International Congress on Spatial Governance on Development, Planning Smart Cities and Disaster Management At: Jawaharlal Nehru University, New Delhi
2. Rakesh Saini (2016) Delivered an invited talk on "Application of GPS, GIS and remote Sensing" in the National Science Day Celebration , 2016 at Dr Harisingh Gour Central University, Sagar
3. Rakesh Saini (2016) presented a paper on "Little Ice Age in Himalaya and Spatio-temporal Variability" in the 9th International Geographical Union (IGU) Conference on Land Use change, climate Extremes and Disaster Risk Reduction, March 18-20, 2016 held at Shaheed Bhagat Singh College, University of Delhi, New Delhi.
4. Participated in workshop on Geochronology held during 16-17 Nov, 2017 at IUAC, New Delhi.
5. Participated in International workshop on Landuse 6K Putting History to reconstruct Climate Change at Chicago University Center at Paris, France from 22-23 October, 2015.
6. Participated in training on Practical Application of DGPS (Trimble R-5), Robotic Total Station (Trimble) and Juno 3D GPS held CSRD/SSS/JNU, New Delhi from 30 March to April 5, 2015.
7. Participated in Proposal Writing and Grant Management Workshop organised by German House for research and Innovation, New Delhi in collaboration with Max Planck Geseliscgaf and Freie Universitat of Berlin from 25-26 November, 2015.
8. Completed two GIS training Programme by ESRI India held at NIIT, New Delhi between 14-18 May and 16-20 July 2012.
9. Rakesh Saini and Milap Chand Sharma (2019) presented a paper on a theme "Glacio-archaeological Evidence of Permanent Settlements During 980-1840 AD in a Glacier End Moraine Complex: The Miyar Basin, Lahaul Himalaya, India", 40th Indian Geographers Meet 2019/International Conference on water, sustainability, livelihood and climate change, held at CSRD/SSS/JNU, New Delhi between 14-16th March, 2019.
10. **Saini, Rakesh (2020)** successfully completed Two Week Interdisciplinary online Faculty Development Programme on "**Earth, Environment and Space Sciences for Mankind**" organised by Department of Geography, Faculty of Earth, Environment and Space, Chaudhary Bansi Lal University, Bhiwani from **May 21-30, 2020**.
11. **Saini, Rakesh (2020)** successfully completed **21 days Online GIS Training Program using QGIS**, conducted by the Department of Geography, School of Earth Sciences, Central University of Karnataka, India, jointly with State Institute of Urban Development, Karnataka, India from 13.7.2020 to 2.8.2020.
12. Kumar, Parvendra and **Saini, Rakesh (2021)** organised a three day online workshop on "Application of Remote Sensing and GIS for Earth Observations and Geoscience Studies" between 2<sup>nd</sup> to 4<sup>th</sup> September, 2021, in the Department of General & Applied Geography, School of Applied Sciences, Dr Harisingh Gour

Vishwavidyalaya,, A central University, Sagar.

13. **Saini, Rakesh** and Kumar, Parvendra (2022) organised Refresher Course on “**Geography and Earth Sciences**” From 12th January to 25th January, 2022 with HRDC, Doctor Harisingh Gour Vishwavidyalaya, Sagar.

**Invited Lectures  
delivered:  
(Outside University)**

1. Saini, Rakesh (2020 co-chaired a session on “Climate Change: Trends and Specialities” in the 40th Indian Geographers Meet & International Conference on water, sustainability, livelihood and climate change, held at CSR/D/SSS/JNU, New Delhi between 14-16th March, 2019.
2. Saini, Rakesh (2020 delivered a lecture on “Climate Change/Variability, Methods and Fallacies Behind the Debate” in the Faculty Development Programme (FDP) organized by Department of Geography, Faculty of earth, Environment and Space Sciences, Chaudhary Bansi Lal University, Bhiwani, Harayana, 127021 held between 21st may and 30th May, 2020.
3. Saini, Rakesh (2020) delivered an invited lecture on “Science and Fallacies of Climate Change and its Indian perspective” on November 23, 2020 through Google Meet, in Special Centre for Disaster Research (SCDR), Jawaharlal Nehru University (JNU), New Delhi.
4. Saini, Rakesh (2021) delivered an invited lecture on “Application of GIS in Cryosphere and Water Resources Management” in a national webinar on ‘Geospatial Technology: Trends and Applications’ conducted by Government PG College, Damoh, on 05/02/2021.
5. Saini, Rakesh (2021) delivered lecture as Resource Person on 'Reconstruction of Palaeoclimate using Glacio-archaeological Signature in Himalayas' on 9th March 2021 in the Refresher Course on 'Current Trends in Life Sciences' (08 March - 22 March, 2021) organized by the UGC-Human Resource Development Centre, Doctor Harisingh Gour Vishwavidyalaya, Sagar (MP).
6. Saini, Rakesh and Kumar, Parvendra (2021) organised a three day online workshop on “Application of Remote Sensing and GIS for Earth Observations and Geoscience Studies” between 2nd to 4th September, 2021, in the Department of General & Applied Geography, School of Applied Sciences, Dr Harisingh Gour Vishwavidyalaya,, A central University, Sagar.
7. Saini, Rakesh (2021) moderated a session as a Resource Person in Inter Disciplinary Refresher Course on “ Role of Statistical Methods in Data Analysis & Research” on 29/11/2021, organised by HRDC, Doctor Harisingh Gour Vishwavidyalaya, Sagar.
8. Saini, Rakesh (2021) moderated a Micro Teaching session as a Resource Person in Inter Disciplinary Refresher Course on “Shifting Paradigm in Social Sciences” on 16/12/2021, organised by HRDC, Doctor Harisingh Gour Vishwavidyalaya, Sagar.
9. Saini, Rakesh (2021) moderated a Micro-teaching session as a Resource Person in Inter Disciplinary Refresher Course on “Revising the Indian Culture in History” on 18/11/2021, organised by HRDC, Doctor Harisingh Gour Vishwavidyalaya, Sagar.
10. Saini, Rakesh (2021) delivered an invited lecture on “Application of GIS in Cryosphere and Water Resources Management” in a national webinar on ‘Geospatial Technology: Trends and Applications’ conducted by Government PG College, Damoh, on 05/02/2021.
11. Saini, Rakesh (2021) delivered lecture as Resource Person on 'Reconstruction of Palaeoclimate using Glacio-archaeological Signature in Himalayas' on 9th

- March 2021 in the Refresher Course on 'Current Trends in Life Sciences' (08 March - 22 March, 2021) organized by the UGC-Human Resource Development Centre, Doctor Harisingh Gour Vishwavidyalaya, Sagar (MP).
12. Saini, Rakesh (2022) Evaluated Research Project Proposal as a Resource Person in Inter Disciplinary Refresher Course on "Teaching Learning and Assessment in Higher Education" on 02/07/2022, organised by HRDC, Doctor Harisingh Gour Vishwavidyalaya, Sagar.
  13. Saini, Rakesh (2022) Evaluated Research Project Proposal as a Resource Person in Inter Disciplinary Refresher Course on "Teaching Learning and Assessment in Higher Education" on 02/07/2022, organised by HRDC, Doctor Harisingh Gour Vishwavidyalaya, Sagar.
  14. Saini, Rakesh and Kumar, Parvendra (2022) organised Refresher Course on "Geography and Earth Sciences" From 12th January to 25th January, 2022 with HRDC, Doctor Harisingh Gour Vishwavidyalaya, Sagar.
  15. Saini, Rakesh and Kumar, Parvendra (2021) organised a three day online workshop on "Application of Remote Sensing and GIS for Earth Observations and Geoscience Studies" between 2nd to 4th September, 2021, in the Department of General & Applied Geography, School of Applied Sciences, Dr Harisingh Gour Vishwavidyalaya, A central University, Sagar.
  16. Saini, Rakesh (2021) moderated a session as a Resource Person in Inter Disciplinary Refresher Course on "Role of Statistical Methods in Data Analysis & Research" on 29/11/2021, organised by HRDC, Doctor Harisingh Gour Vishwavidyalaya, Sagar.
  17. Saini, Rakesh (2021) moderated a Micro Teaching session as a Resource Person in Inter Disciplinary Refresher Course on "Shifting Paradigm in Social Sciences" on 16/12/2021, organised by HRDC, Doctor Harisingh Gour Vishwavidyalaya, Sagar.
  18. Saini, Rakesh (2021) moderated a Micro-teaching session as a Resource Person in Inter Disciplinary Refresher Course on "Revising the Indian Culture in History" on 18/11/2021, organised by HRDC, Doctor Harisingh Gour Vishwavidyalaya, Sagar.
  19. Saini, Rakesh (2021) delivered an invited lecture on "Application of GIS in Cryosphere and Water Resources Management" in a national webinar on 'Geospatial Technology: Trends and Applications' conducted by Government PG College, Damoh, on 05/02/2021.
  20. Saini, Rakesh (2021) delivered lecture as Resource Person on 'Reconstruction of Palaeoclimate using Glacio-archaeological Signature in Himalayas' on 9th March 2021 in the Refresher Course on 'Current Trends in Life Sciences' (08 March - 22 March, 2021) organized by the UGC-Human Resource Development Centre, Doctor Harisingh Gour Vishwavidyalaya, Sagar (MP).

<p><b>Administrative responsibilities</b></p>	<p>Project Reviewer for SERB/DST Government of India</p> <p><b>Coordinator</b> Refresher Course on “<b>Geography &amp; Earth Sciences</b>”</p> <p><b>Principal Investigator</b> (SERB/DST Core Grant Project on “<b>Constraining the Little Ice Age in the Western Himalayas</b>”</p> <p><b>Convenor</b> NKN &amp; MHRD Wi-Fi Review Committee, Dr HS Gaur University, Sagar</p> <p>Departmental UG Committee            Member DPGC, Geography 2013    2014</p> <p>Departmental Disciplinary Cum Anti Ragging Committee Member Geography            2013    2014</p>
<p><b>Memberships in Academic Bodies:</b></p>	<p>Association of Polar Early Career Scientists</p> <p>Association of Quaternary Researchers (AOQR)</p> <p>Indian Institute of Geomorphologists</p> <p>LandUse6K</p> <p>Asia2K</p> <p>Archaeoglobe etc.</p>