

## Curriculum Vitae

1. Name and full correspondence address: **Pinkey Bisht**
2. Email(s) and contact number(s): [pinkybisht@wihg.res.in](mailto:pinkybisht@wihg.res.in); **8126762242**
3. Organization: **Wadia Institute of Himalayan Geology, Dehradun (Uttarakhand)**
4. Date of Birth: **01-12-1986**
5. Gender (M/F/T): **Female**
6. Category Gen/SC/ST/OBC: **General**
7. Whether differently abled (Yes/No): **No**
8. Academic Qualification (Undergraduate Onwards):



S.No	Degree	Year	Subject	University/Institution	% of marks
1.	B.Sc	(2008)	Zoology, Botany, Geology	HNB Garhwal University, Srinagar	63%
2.	M.Sc	(2010)	Geology	HNB Garhwal University, Srinagar	74% (Topper)
3.	Ph. D	2016	Geology (Glaciology)	HNB Garhwal University, Srinagar	Awarded

9. Ph.D thesis title: **“Late Quaternary glaciations in the Dhauliganga Valley and its implications towards past climatic variability”**.

Guide's name: **Prof. Y.P Sundriyal and Dr. Navin Juyal**

Name of University: **HNB Garhwal Central University, Srinagar, Uttarakhand.**

Year of Award: **2016**

10. Work experience (in chronological order).

S.No.	Positions held	Name of the Institute	From	To
1.	JRF (INSPIRE)	HNBGU, Srinagar	2011	2013
2.	SRF (INSPIRE)	HNBGU, Srinagar	2013	2016
3.	RA	JNU New Delhi	5 Aug 2016	28 Feb 2017
4.	NPDF	WIHG, Dehradun	1 March 2017	28 Sep 2017
5.	<b>Scientist- B</b>	WIHG, Dehradun	Sep 2017	Dec 2021
6.	<b>Scientist- C</b>	WIHG, Dehradun	Jan 2022	Present

11. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant:

S.No	Name of Award	Awarding Agency	Year
1	<b>Indo US fellowship (2017)</b>	DST, New Delhi	Not Availed
2	<b>NPDF (2017)</b>	SERB, DST, New Delhi	March 17 to 28 Sep 17
3.	<b>DST INSPIRE Fellowship</b>	DST, New Delhi	2011 to 2016

**12. Fellowship/Scholarship/obtained by National Academies, etc.:**

- i. Awarded **INSPIRE FELLOWSHIP** (2011) from the Department of Science and Technology, New Delhi to pursue a Ph.D.
- ii. Awarded the **National Post Doc Fellowship** (2016) by the Department of Science and Technology, New Delhi.
- iii. Selected for the **Indo US Post Doc Fellowship** (2017) by the Department of Science and Technology, New Delhi, to carry out one-year Post-Doctorate research at the University of Cincinnati, USA (Not availed).
- iv. Start-Up Research Grant project No SRG/2019/002315/EAS from SERB, DST, New Delhi.

**13. Awards & Honors, including Scientific Leadership**

- i. Received a full International Travel Support (ITS) award from the Japanese government for presenting a paper at the **INQUA XIX Conference in Nagoya, Japan. (2015)**.
- ii. **“Certificate of Honor”** was awarded by the Honourable Vice Chancellor of HNB Garhwal University during the 2<sup>nd</sup> INSPIRE Internship Camp in Dec 2017-18.

**14. Special Courses/Training Attended:**

- i. Indo-Swiss Capacity building training on Himalayan Glaciers in JNU, New Delhi from 1st April to 28th April 2013.
- ii. Understanding Structures and Tectonic Evolution of the Himalaya through a Transect across Chandigarh-Manali-Leh-Panamik: Indian plate to South Eurasian Plate”, scheduled from 21st August to 6th September 2013.
- iii. “Field Training Course in Glaciology” being organized by Regional Training Institute, Geological Survey of India, Northern Region, Lucknow, from 4th August to 7th September 2014 at Hamtah Glacier, (Lahul & Spiti district Himachal Pradesh).
- iv. Invited and sponsored for the participation in Theoretical Training of HUC-IHCAP Glacier Monitoring Training in Kathmandu, Nepal from 12-16 November 2018.
- v. E-Workshop on **‘Luminescence dating technique and new applications’** held between 25-27 November 2020 at Wadia Institute of Himalayan Geology, Dehradun.
- vi. 17<sup>th</sup> course on “Application of Geoinformatics for Disaster Management under the Natural Resource

Management System (NNRMS) program of ISRO, held in GSITI, Hyderabad from 01 to 20 Feb 2024.

**15. National and International Conferences and Symposiums:**

- i. **Pinkey Bisht.**, Juyal, N., Sundriyal, Y.P., Ali, S, N., Negi, S. Reconstruction of Late Quaternary glaciation recorded by glacial and glacio-fluvial landforms in the Dhauliganga valley, Uttrakhand.2015. International Union for Quaternary Research **INQUA XIX congress**, 27 July to 2 August 2015 in Nagoya, Japan.
- ii. **Pinkey Bisht**, S. Nawaz Ali, Naresh Rana, Sunil Negi, Y.P. Sundriyal and Navin Juyal. Evidence of Post LGM-Glacial Advancements in the Kosa basin, Dhauliganga valley, Central Himalaya, Uttrakhand, India. Himalayan-Karakoram Tibetan (**HKT**) workshop, Wadia Institute of Himalayan Geology (WIHG), 6-8 October 2015, Dehradun, Uttarakhand.
- iii. Shukla, A.D., Srivastava, P., **Pinkey Bisht.**, Anil kumar., Jayangondaperumal, R., Sundriyal, Y.P., Sharma, U., Juyal, N. Optical Chronology suggests Trans Himalayan Glaciers responded to the enhanced Mid-Latitude Westerlies during the last 30 ka. National Conference on the Himalayan Glaciology, Shimla, Himachal Pradesh, India, 30-31 October 2014.
- iv. Rana, N., Ali, N., **Bisht, P.**, Shukla, A.D., Singh, S., Sundriyal, Y.P., Juyal, N. Preliminary Optical Chronology suggests early Holocene Glacier expansion in Monsoon dominated Saraswati valley Garhwal Himalaya. National Conference on the Himalayan Glaciology, Shimla, Himachal Pradesh, India, 30-31 October 2014.
- v. Sharma, S., **Bisht, P.**, Sharma, P.C., Shukla, A.D., Bhartariya, S.K., Sundriyal, Y.P., Juyal, N. Ascertaining the role of Indian Summer monsoon and mid-latitude westerlies in driving the Glaciation in Sarchu plain, Ladhak Himalaya. XII International Symposium on Antarctic Earth Science (ISAES), 13-17 July 2015, Goa, INDIA.
- vi. National Geo Research Scholar Meeting (NGRSM) held at Wadia Institute of Himalayan Geology, Dehradun from 6-8 June 2019.
- vii. Member of the organizing committee of the National Geo Research Scholar Meeting (NGRSM), 2022
- viii. 1st Indian Quaternary Congress (IQC)– 2022 organized by the Association of Quaternary Researchers (AOQR) held between 19–21 January 2022 at BSIP, Lucknow.
- ix. Member of the organizing committee of FIGA, 2022.
- x. Member of the organizing committee of the National Geo Research Scholar Meeting (NGRSM), 2023.

## 16. External Research Fund received & Project Handled:

- i. CO-PI: “Education and awareness program for earthquake preparedness and hazard mitigation: Chakrata and other tribal regions of Uttarakhand”. Sanction letter no. 7754,244/01/2017/WIHG/A.P./Estt. (Project grant: Rs. 37, 8600). Team members: A. Paul, P. Kumar, Suman Lata Rawat, and Pinkey Bisht.
- ii. Principal Investigator (PI) in Science and Engineering Research Board (SERB), Department of Science & Technology (DST) sponsored SERB Start-Up Research Grant Project (SRG/2019/002315) entitled “Glacial chronology, palaeoclimatic reconstruction and their climatic implications in the Derma valley, Kumaon Himalaya, India” from 26 Nov 2019 to 25 May 2022 (Project grant: Rs. 24, 11,400/-).

## 17. Lecture Delivered

- i. Delivered an invited lecture at UGC-HRDC, Gauhati University on 7<sup>th</sup> December 2021.
- ii. Delivered an expert lecture on the topic "**Pleistocene glaciation and deglaciation: implications in the present context of climate change**" in "Jal Vigyan Training" program from 23-25 August 2022 held at USERC, Dehradun
- iii. Delivered a lecture on the topic “Chronology and climatic implications of Late Quaternary glaciations in Central Himalaya with a special focus in the upper Kali Ganga valley, Uttarakhand" in **advance in Stratigraphy and Chronology (SACCOM), USA**, (online) on 6 May 2022.
- iv. Delivered a talk in the panel discussion on the Himalayan Diwas 9th 2023.
- v. Delivered a lecture at the **14th Symposium on Polar Science, NIPR, Tokyo** (online), on the topic “Late Quaternary glaciation and its implications in the Yankti Kuti valley, Uttarakhand, India.” On 15 Nov, 2023.

## 18. Publications:

- i. **Bisht, P\***; S. Nawaz Ali; Anil D. Shukla; Sunil Negi; Y.P. Sundriyal; M.G. Yadava; Navin Juyal. **2015**. Chronology of Late Quaternary Glaciation and landform evolution in the upper Dhauliganga Valley, (Trans Himalaya), Uttarakhand, India. **Quaternary Science Reviews** 129, 147-162. **(I.F- 4.112)**
- ii. Sharma, S., Chand, P., **Bisht, P.**, Shukla, A.D., Bartarya, S.K., Sundriyal, Y.P. and Juyal, N., 2016. Factors responsible for driving the glaciation in the Sarchu Plain, eastern Zaskar Himalaya, during the late Quaternary. **Journal of Quaternary Science**, 31(5), pp.495-511.
- iii. **Bisht, P\***; Ali, S N; Rana, N; Singh, S; Sundriyal, Y.P; Bagri, D.S; Juyal, N **(2017)**. Pattern of Holocene glaciation in the monsoon-dominated Kosa Valley, central Himalaya, Uttarakhand, India. **Geomorphology**, 284, 130-141. **(I.F- 4.139)**

- iv. Chahal, P; Rana, N; **Bisht, P**; Bagri, D. S; Wasson, R. J; Sundriyal, Y.P (2017). Identification of landslide-prone zones in the geomorphically and climatically sensitive Mandakini Valley, (Central Himalaya), for disaster governance, using the Weights of Evidence method. **Geomorphology**, 284, 41- 52. (I.F- 4.139)
- v. Srivastava, P; Kumar, A; Chaudhary, S; Meena, N; Sundriyal, Y.P; Rawat, S; Rana, N; Perumal, RJ; **Bisht, P**; Sharma, D; Agnihotri, R; Bagri, DS; Juyal, N; Wasson, RJ; Ziegler, AD (2017). Paleofloods records in Himalaya. **Geomorphology**, 284, 17- 30. (I.F- 4.139)
- vi. Srivastava, P; Agnihotri, R; Sharma, D; Meena, N; Sundriyal, Y.P; Saxena, A; Bhushan, R; Sawlani, R; Banerji, U. S; Sharma, C; **Bisht, P**; Rana, N; Jayangondaperumal, R. (2017). 8000-year monsoonal record from Himalaya revealing reinforcement of tropical and global climate systems since mid-Holocene. **Scientific Reports**, 7, 1-10. (I.F- 4.6).
- vii. Shukla, A D; Sharma, S; Rana, N; **Bisht, P**; Juyal, N (2020). Optical chronology and climatic implication of glacial advances from the southern Ladakh Range, NW Himalaya, India. **Paleogeography, Palaeoclimatology, Palaeoecology**, 539, 109505. (I.F- 3.318)
- viii. Ali S.N; Agrawal S; M. Firoze Quamar; Dubey, J; Chauhan N; **Bisht P**; Pandey P; Md. Arif; Shekhar, M; Morthekai, P. (2020). Climate Variability in the Central Himalaya during the Last ~15 Kyr: Evidence of Precipitation Variability from Multiproxy Studies. **Journal of the Palaeontological Society of India**, 65, 36-54. (I.F- 0.705)
- ix. Ali, S N; Quamar, M F; Dubey, J; Morthekai, P; **Bisht, P**; Pandey, P; Shekhar, M; Ghosh, R. (2020). Surface pollen distribution in the alpine zone of the higher Himalaya: a case study from the Kalla glacier valley, India. **Botany Letters**, 167, 340-352. (I.F- 1.5)
- x. **Bisht, P\*** and Ashish Rawat (2021). Timing of late quaternary glaciations in the Yankti Kuti valley of the upper Kali Ganga catchment, Northern India. **Quaternary Science Reviews**, 273: 107246. (I.F- 4.112).
- xi. SN Ali, P Singh, P Arora, **P Bisht, P** Morthekai (2022). Luminescence dating of late Pleistocene glacial and glacial-fluvial sediments in the Central Himalaya, India. **Quaternary Science Reviews** 284, 107464. (I.F-4.112).
- xii. **P Bisht\*** (2023). Sensitive response of glaciers to changing climate in the Yankti Kuti valley, Kumaon Himalaya, India, between 1990 and 2021. **Environmental Monitoring and Assessment** 195 (9), 1024. (I.F- 3.1)

#### **Non Science Publication:**

- i. प्रगति के लिए प्रकृति से छेड़छाड़। प्रेरणा अंशु, अंक-1, मार्च 2021, 24. (डॉ. पिकी बिष्ट).
- ii. Kumar, A., **Bisht, P**. (2021). E-workshop on ‘Luminescence Dating Technique and New Applications’: A Report. **Journal of the Geological Society of India**, 3. (I.F- 1.459)

- iii. Kumar, A., Bisht, P (2022). 1st Indian Quaternary Congress (IQC)–2022 Organized by the Association of Quaternary Researchers (AoQR). **Journal of Palaeosciences** 71 (1), 113-115

**19. Memberships of Institutions/Academics:**

- i. Himalayan Geology
- ii. Association of Quaternary Research (AOQR)
- iii. American Geophysical Union (AGU)
- iv. Stratigraphy and Chronology (SACCOM)

**20. Countries Visited:**

- i. Nagoya, Japan
- ii. Kathmandu, Nepal

**21. Extra Curricular activities:**

- i. NCC ‘C’ certificate holder.
- ii. Attended National Integration Camp (NIC) in Binaguri, West Bengal in 2008.
- iii. Member of various internal committees of the Institute (WIHG).
- iv. Badminton