

Curriculum Vitae of Prof. D.S. Bagri



**Convenor in Geology, HNB Garhwal University, SRT Campus Badshahithaul,
Tehri Garhwal, Uttarakhand-249199**

1. Personal profile.

Name: Prof. D.S. Bagri

Date of Birth: 01/10/1965

Correspondence Address: Department of Geology, HNB Garhwal University, S.R.T.
Campus, BadshahiThaul, Tehri Garhwal, Uttarakhand, India,
Pin-249199

Contact Number: 9918201999

Email: bagri.ds@gmail.com

Present Position: Professor in Geology since 2012 till date.

Total Experience: More than thirty (30) years

Web Link: <https://www.hnbgu.ac.in/school/earth-science/geology/tehri/faculty-staff>

2. Educational Qualification: (In chronological order from latest to Graduation level).

Qualification	Year	University	Percentage	Distinction, if any
Ph.D	1999	HNB Garhwal University	Obtained the degree	Not applicable
Post Graduation	1986	HNB Garhwal University	76%	<i>Chancellor's Medalist</i>
Graduation	1984	HNB Garhwal University	66%	-

2. Research guidance of students under my supervision

1. Thesis awarded: 03
2. Student Registered for Ph.D.: 01
3. M. Sc. Dissertation: More than >35

3. Conferences/Seminars/Symposia/Workshops/ Invited Talks after the year 2000.

International:

- Delivered invited talk at Third International Geo-Hazards Research Symposium (IGRS-2012), June 10-14, 2012, Organised by Department of Physics, Tehri Campus, HNB Garhwal University.
- Paper presented in the Third International Geo-Hazards Research Symposium (IGRS-2012), June 10-14, 2012, Organised by Department of Physics, Tehri Campus, HNB Garhwal University.
- Jointly presented poster in AGU 2020 Fall Meeting, December 01-17, 2020 on “**Monitoring of urban sprawl and spatio-temporal variability of Landuse/Landcover change in Asan watershed, Doon valley, Uttarakhand, India**” <https://doi.org/10.1002/essoar.10505204.1>.
- Jointly presented a paper titled “**Identification of geosystem services to attenuate water pollution as a counter to water scarcity aftermaths**” (Oral Presentation) at INTERNATIONAL CONFERENCE BRICS NU: WRPT-21, July 6-8, 2021, through virtual mode.

National:

- Paper Presented in the National Seminar on Geodynamics and Environment Management of Himalaya (GEM-H), held at HNB Garhwal University Srinagar Garhwal from October 4-6, 2000.
- Participated in UGC Sponsored Refresher Course in Geology, Department of Geology, M.S. University of Baroda, Vadodra in December, 2000 continued in next page

- Paper Presented in Seminar on Natural Disaster: Threat Perception, Myth & Reality held at Dept. Of Geology, DBS (PG) College, Dehradun from Feb. 23-24, 2002
- Paper Presented in National Seminar on Central Himalaya: Environment and Development held at Dept. of Geography, H.N.B. Garhwal University. Oct. 23-25, 2002
- Delivered Lecture in Geofraternity at Dept. Of Geology DBS College, Dehradun on 20/10/2007
- Invited Talk in Seminar at City Engineering College, Bangalore on 10/10/2007.
- Invited Talk in Seminar at Al-Ameen Institute of Management Studies, Hosur Road, Bangalore on 20/02/2008.
- Invited Lecture in AMC Engineering College Bannerghatta Road, Bangalore on 15/03/2008
- Delivered Lecture in Geofraternity at Dept. Of Geology, DBS College, Dehradun on 18/10/2008.
- Delivered Lecture in Geofraternity at Dept. Of Geology, DBS College, Dehradun on 18/07/2009
- Invited Talk in Seminar on Natural Disasters and their management at Dreams College of Polytechnic, Saharanpur on 01/01/2013
- Invited Talk in Seminar on Natural Disasters and their management at Dreams College of Polytechnic, Saharanpur on 02/01/2013.
- Invited Talk on Seminar on Natural Disasters and their management at Dreams College of Polytechnic, Saharanpur on 03/01/2013
- Invited Talk in Seminar at GRD Institute of Management & Technology, Dehradun on 19/03/2013
- Invited Talk in Seminar at GRD Institute of Management & Technology, Dehradun on 20/03/2013.
- Invited Talk in Seminar at Doon College of Engineering & Technology, Delhi-Dehradun Road, Sunderpur, Saharanpur on 11-05-2013.
- Invited Talk in Seminar at Doon College of Engineering & Technology, Delhi-Dehradun Road, Sunderpur, Saharanpur on 12-05-2013.
- Invited Speaker at National Seminar on Geo-Environmental Hazards and Neo-Tectonic Activities in Himalaya (28-30 October 2014) conducted by Dept. Of Geology, H.N.B. Garhwal University Campus, Badshahithaul, Uttarakhand
- Attended one day QIP Workshop on “Geoinformatics in Earthquake studies” organised by IIT, Roorkee on November 28,2015 under QIP Programme.
- Participated in SAARC Regional Training on “Landslide Risk Mitigation and Management in South Asia” from 29th of August to 2nd of September 2016 organised by NIDM, New Delhi.
- Participated in the International Conference on Climate Change And Disaster Risk Reduction as a Chairperson from October 26-28, 2018 conducted by Department of Geology, HNB Garhwal University, S.R.T. Campus, Badshahithaul, Tehri Garhwal, Uttarakhand, India.
- Participated in workshop on “Application of remote Sensing and GIS in Water resource management in Uttarakhand” organised by USAC, Dehradun at S.R.T. Campus, Badshahithaul, Tehri Garhwal, on 11th March, 2019.
- Delivered talk in the National Workshop/ Seminar convened by Commission for Scientific and Technical Terminology, Ministry of HRD, Government of India, from 30-31 May, 2019 at S.R.T. Campus, Badshahithaul, Tehri Garhwal, Uttarakhand.

4. Publications:

Research Paper Published in Referred Journals /Conference/Seminar Proceedings/Edited Books.

- **Bagri, D.S.**, and Naithani, N.P. (1999): Geo-Environmental changes in form of natural hazards after Uttarkashi earthquake (1991) in Garhwal Himalayas with special reference to landslide and related problems Published in Eco-System and environment, Edited by ASEA.
- **Bagri, D.S.** (2002): Study of landslides along Bhagirathi valley around Bhatwari, Uttarkashi Proc. Of National Seminar on Geodynamics and Environmental Management of Himalaya. pp 257-266.
- **Bagri, D.S. (2003):** Natural Hazards with their litho-structural control, in parts of Uttarkashi and Tehri Districts, Uttarakhand. Proc. XII National Symposium on Environment (NSE-12) focal theme Environmental Protection Strategies for sustainable developments, Organized by BARC, Mumbai (June 5-7, 2003) pp. 101-112
- **Bagri, D.S.** and Pal. Devendra (2003): Geological control over the occurrences of natural hazards. A case study of the area around Bhatwari, Garhwal Himalaya. Proc. Of National Seminar on Central Himalaya: Environment and Development, held at Dept. of Geography, H.N.B. Garhwal Univ., Srinagar Garhwal from 23-25 Oct, 2002 pp. 570-583.
- **Bagri, D.S.** (2006): The natural hazards in Uttarakashi and Tehri District, Uttaranchal Himalaya. Himalaya (Geological Aspects) 4th vol., pp 91-106. 4th Ed. P.S. Saklani.
- **Bagri, D.S.** and Pal., Devendra (2006): Enhanced activity of natural hazards in Uttarkashi area- A Case study of Bhagirathi and Jalkur river valleys with emphasis on treatment of degraded slopes and remedial measures to mitigate their impact. Proc. National Seminar on Resource Appraisal Technology Application and Environmental Challenges in Central Himalayas, Organized by Dept. of Geography, HNB Garhwal Univ. , Srinagar, Garhwal, on Nov. 1-3, 2004, pp 96-105.
- **Bagri, D.S.** (2008): The Varunavat landslide in Uttarkashi in the book titled “Uttarakhand – Need for a comprehensive Eco-strategy” Published by South Asian Dialogues on Ecological Democracy (SADED) in partnership with Simenpuu Foundation, Helsinki, Finland.
- **Bagri, D.S.**, A. Suresh Babu and Bhupendra Nayal (2008): A study on level and scale of local community participation in Eco and Geo Tourism promotion and management in Nanda Devi Biosphere Reserve (NDBR), North Western Himalaya, India. Journal of Tourism published by Centre for Mountain Tourism and Hospitality Studies in Collaboration with University of South Mississippi USA, Vol. 9(2): 85-98.
- Bagri, S.C., **Bagri, D.S.** and Uniyal, Sarvesh(2010): Sustainable development and Mountain Tourism, Published by Transmedia Publication, Srinagar, Garhwal (2010), edited by M.P.S. Bisht and D. Pal.
- **Bagri, D.S.**, Lakashmanan, K., Anbalagan, R., and Bipin ,P., (2016): Stability evaluation of slopes around rim of reservoir of diversion Dam of Vishnu gad- Pipal Koti Hydro-electric project Garhwal Himalaya India, International journal of current research, Vol., 8, issue 11 pp.42565-42575,November 2016.

- **Bagri, D.S.**, Anbalagan, R and Safeer Ali,E., (2016):Slope stability evaluation of a failed slope in electric sub-station site at Reckong Pio, Himanchal Pradesh, India. IOSR Journal of Applied Geology and Geophysics, Vol., 4, issue 6, pp 36-42.
- Poonam, P.K Champati ray, **Bagri, D.S.** and et.al.(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(2017) pp 41-52
- Pinky Bisht, Y.P. Sundriyal, **Bagri, D.S.**,and et.al. (2017): Pattern of Holocene glaciation in monsoon- dominated Kosa-Valley, Central Himalaya, Uttarakhand , India. Geomorphology 284(2017) pp 130-141
- P.Srivastava, A. Kumar, **Bagri, D.S.**, and et.al.(2017): Paleofloods records in Himalaya. Geomorphology284(2017) pp 17-30.
- **Bagri, D.S.**, Anbalagan, R. and Neethu,S.,(2017): Engineering Geological Evaluation of Kakoragad Small Hydroelectric Project,Uttarkashi District Uttarakhand,India. IOSR Journal of Applied Geology and Geophysics, Vol.,5, Issue 4, pp 01-07.
- **Bagri, D.S.**, Bipin, P. and Anbalagan, R. (2017):Engineering Geological Evaluation of Siyan Gad Small Hydroelectric Project,Uttarkashi District Uttarakhand,India. IOSR Journal of Applied Geology and Geophysics, Vol.,5, Issue 1, pp 46-51.
- Kimothi, Shivashish, Ramola, Neeraj, **Bagri,D.S.**, Sundriyal, Y.P., Kinematic Analysis of Slopes Between Preng and Ganderbal, Jammu & Kashmir Himalaya, India. Himalayan Geology, 39(1),2018, pp 85-91.
- Rawat, A.M., **Bagri, D.S.**, Kumar. S. (2019): Water quality assessment of the reservoirs of Lambagad and Srinagar in relation to suitability for uses, Alaknanda Valley, Garhwal Himalayas, Uttarakhand, India. Indian Hydrobiology, 18(1 & 2): 194-206,2019.
- Rawat, A.M., **Bagri, D.S.**, Kumar. S. (2019): Water quality assessment of tehri dam reservoir in the context of its potential in aquaponics, Uttarakhand. International Journal of Fisheries and Aquatic Studies 2019; 7(6): 166-170.
- Sharma, A., Nikam, B.R., **Bagri, D.S.**, Kumar, D. (2020): Trend Analysis of Annual and Seasonal Time Series over the Last 46 Years in Asan Watershed, Doon Valley Based on Gridded Data Set, Earth Science India, 13(I), 8-19, 2020.
- Dhamodaran, S., Rawat, G., Kumar, S., **Bagri, D.S.** (2020): Sedimentary thickness of the northern Indo-Gangetic plain inferred from magnetotelluric studies. J. Earth Syst. Sci. (2020) 129-156.
- Rawat, A.M., **Bagri, D.S.**, (2021): RESERVOIR EFFECTS IN THE DISSOLVED OXYGEN OF ALAKNANDA RIVER, GARHWAL, HIMALAYA, UTTARAKHAND, INDIA. *Journal of the Maharaja Sayajirao University of Baroda*. Vol.,55, Issue 1, pp 167-170.
- Sharma, A., & **Bagri, D. S.** (2021). Analysis of tectonic deformation on channel morphology through quantitative geomorphic indices and DEM derived drainage system. *Proceedings of the Indian National Science Academy*, 87, 283-301.
- Rana, N., Sundriyal, Y., Sharma, S., Khan, F., Kaushik, S., Chand, P., **Bagri, D.S.**, Sati, S.P. and Juyal, N., 2021. Hydrological Characteristics of 7th February 2021 Rishi Ganga Flood: Implication towards Understanding Flood Hazards in Higher Himalaya. *Journal of the Geological Society of India*, 97(8), pp.827-835.

- Rawat, A. M., **Bagri, D. S.**, Kumar, S., Badola, R., & Hussain, S. A. (2022). Relationship of isotopic variations with spring density in the structurally controlled springs and related geosystem services in Alaknanda Valley, Garhwal Himalaya, India. *Scientific Reports*, 12(1), 7679.
- Agarwal, S., Kumar, V., Kumar, S., Sundriyal, Y., **Bagri, D. S.**, Chauhan, N., ... & Rana, N. (2022). Identifying potential hotspots of land use/land cover change in the last 3 decades, Uttarakhand, NW Himalaya.
- Sharma, A., & **Bagri, D. S.** (2023). Comparison and Validation of Elevation Data at Selected Ground Control Points and Terrain Derivatives Derived from Different Digital Elevation Models. *Remote Sensing in Earth Systems Sciences*, 1-22.

5. Administrative Experience:

- **HOD/Convenor** in Department of Geology, Campus Tehri from 1990 to 2005 and again from 2009 to till date.
- **Deputy Director** at AICTE, Ministry of HRD, Govt. of India from December, 2005 to November, 2006 for the states of Tamil Nadu and Pondicherry.
- **Regional Director** at AICTE, South-Western Regional Office, Bangalore from November, 2006 to May, 2008 for the states of Karnataka, Kerala, Lakshadweep.
- **Regional Director** at AICTE, Northern Regional Office, Kanpur from May, 2008 to July, 2009 for the states of Uttar Pradesh, Bihar and Uttarakhand.
- Presently, Head of Department and Chairman, **Board of Studies** of the HNB Garhwal University.

(Prof. D.S. Bagri)

