

curriculum vitae

- **NAME:** Dr. AHSAN AFZAL WANI
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Academic Qualification

Ph.D. in Geology (*Tectonic Evolution of Kashmir Valley using Morphometric and Geodetic techniques*), 2020, under the supervision of **Dr. Bikram Singh Bali**, Professor, Department of Earth sciences, University of Kashmir, Srinagar, J&K, 190006.

M.Phil. Geology	2015	University of Kashmir	First Class
M.Sc. Applied Geology	2012	University of Kashmir	First Class
B.Sc. Geology	2009	University of Kashmir	First Class

WORKING Experience

- ❑ Five-year research experience in the field of Geology, Geomorphology, Mapping, Geophysics and active tectonics as a Research Scholar in the Department of Earth Sciences, University of Kashmir, Srinagar, J&K, 190006.
- ❑ Worked as **Junior Research Fellow (JRF)** in Ministry of Earth Sciences (MOES), GOI sponsored project entitled “*Seismic Hazard Assessment in Kashmir Himalaya using Geological, Seismological and Geodetic Data*” and as project leader in Baba Atomic Research Centre (BARC)/ Department of Atomic Energy (DAE), GOI sponsored project entitled “*Spatial Distribution of Uranium and associated water quality parameters in drinking/surface water in nine districts of Kashmir Valley, J&K, India*” from 2015-2020.
- ❑ Worked as Geologist in Ocean-Enviro Management solutions Pvt Ltd from 2020-2021.
- ❑ One year experience in Site plan preparation and mining plan preparation of rock quarry and minor minerals.
- ❑ *Worked as contractual Lecturer in Higher Education department in Govt. Degree College Boys Sopore.*

- ❑ *Presently working as contractual Lecturer in University of Kashmir Srinagar India.*

TECHNICAL SKILLS

- ❑ Active Tectonics, Geological Hazards, Active fault mapping, geophysical investigation of subsurface structures and groundwater using GPR.
- ❑ Well knowledge of Ground Penetration Radar and Continuous Global Positioning System to study crustal deformation.
- ❑ Slope Stability Analysis; Bore well Logging, Sampling and Drilling, Site Specific Geological Investigation.
- ❑ GIS and remote sensing: working with ArcView & ERDAS software's and handling GPS instrumentation and Differential Global Positioning System (DGPS).
- ❑ Software like Arc-GIS, Global Mapper, Rockworks, Coral draw, Surfer, Adobe Illustrator, Map info, Stereonet, Win Tensor, Word, Excel, Power point.
- ❑ LED Fluorimeter for determining uranium concentration in Surface and groundwater.

PROFESSIONAL RECOGNITION/ AWARD/ PRIZE/ CERTIFICATE, FELLOWSHIP RECEIVED.

SNo.	Name of Award/Certificate	Awarding Agency	Year
1	Editorial Member of Journal of Earth Sciences	Science Publishing Group 1 Rockefeller Plaza, 11th Floors, New York, NY 10020,	2021
2	Publishing 101: Earth Science, Geography & Environmental Sciences	Springer	2020
3	Recent Trends in Climatic Studies: Issues & Challenges.	Gyan Vihar university, NAAC: A Grade	2020
4	11 th Jk Science Congress	University of	2015

		Kashmir	
	13 th JK Science Congress	University of Kashmir	2017
5	Junior Research Fellow (JRF)	MOES	04-05-2015 to 31-06-2020

PUBLICATIONS

S. No	Authors	Title	Journal	Volume	Page	Year
1	Mohammad Irfan Wani, Bikram Singh, Ahsan Afzal Wani	Late Quaternary tectono-geomorphological investigations of Zanskar river Basin, NW Himalaya, India using geospatial techniques	Earth Surface Processes and landforms	49(2)	1-22	2023
2	Sareer Ahmad, Vineet Gahalaut, Ahsan Afzal, Bikram Bali	Estimation of crustal strain in Kashmir Himalayan region of north India using continuous GPS measurements	Geological Journal	58(7)	1-10	2023
3	Bikram Singh Bali, Ahsan Afzal, Mohammad Irfan	Quantative analysis and Drainage dynamics of Mawar Basin, Northwest Himalaya, J&K, India.	Journal of Research and Development	21(2021)	73-87	2021
4	Bikram Bali, Ahsan Afzal Wani Gh Rasool, Sareer Ahmad	GPR investigation of mining induced subsidence and its effects on surface structures: A case study of Srinagar city, J&K, India, N/w Himalayas	Geological Society of India	97(7)	751-759	2021
5	Ahsan Afzal Wani, Bikram Singh Bali	Analysis of Neotectonic structures in the Piedmont region of PirPanjal Range NW Himalaya by integrating Geomorphic indicators coupled with Geophysical transects (GPR)	Natural Hazards	103(3)	2869-2882	2021
6	Bikram Bali, Ahsan Afzal Wani	Earthquake hazard potential along the Panjal Thrust and the Zanskar Thrust, NW Himalaya	Research Square			2020
7	Ahsan Afzal Wani, Bikram Bali, Gh Rasool,	Impact of tectonics on drainage network evolution of Suru basin, Kargil N/w	Environment al Earth Sciences	79(1)		2019

	Nasir Hussain	Himalaya, Jammu and Kashmir, India				
8	Ahsan Afzal Wani, Bikram Bali, Shahnawaz Lone	Drainage Characteristics of Tectonically Active Area: An Example from Mawar Basin, Jammu and Kashmir, India	Geological Society of India	93(3)	313-320	2019
9	Abaas Ahmad Mir, Ahsan Afzal Wani, Zahoor ul Islam, Pervez Ahmad	Tectonic geomorphology of lolab watershed, northwestern Himalayas, India	Disaster Advances	11(11)	1-9	2018
10	Shabir Ahmad, AkhtarAlam, Ahsan Afzal, M I Bhat, MS Bhat, Hakeem Farooq	Tectono-geomorphic indices of the Erin basin, NE Kashmir Valley, India	Journal of Asian Earth Sciences	151	16-30	2018
11	Shabir Ahmad, M I Bhar, M S Bhat, Ahsan Afzal Wani	Geomorphic Indicators of Balapur Fault in Kashmir Basin and Kinematic Analysis with Respect to NW Himalaya	Journal of Ecology and sustainable Development	12	72-88	2017
12	Ahsan Afzal Wani, Bikram Bali	Geomorphic analysis of relative tectonic activity in Sindh basin, Jammu and Kashmir Himalaya, Northwest India.	Himalayan Geology	38(2)	171-183	2017
13	Bikram Bali, Ahsan Afzal Wani, Rais Ahmad, Shabir Ahmad	Morphotectonic analysis of the Madhumati watershed, northeast Kashmir Valley	Arabian journal of Geosciences	9(5)	1-17	2016
14	Shabir Ahmad, Bashir Ahmad, Akhtar Alam, Mohammad Sultan Bhat Ahsan Afzal	Tectonic Geomorphology of the Veshav Basin, SW Kashmir Himalaya	Journal of Himalayan Ecology and sustainable Development	10	1-14	2015

PAPERS IN CONFERENCE/SYMPOSIA

SNo.	Title	Author's Name	Publisher	Year of Publication
1.	Optimal site selection for hydropower plants in the Kashmir Valley, NW Himalaya, J&K, India.	Ahsan Afzal Wani, Bikram Singh Bali	3 RD EURO-Mediterranean conference for environmental integration, Springer	2021
2.	Existence of normal fault in Aripal	Ahsan Afzal Wani,		2021

	basin of Jammu and Kashmir Himalaya:Evidences from surface, subsurface investigations and geomorphology	Bikram Singh Bali, Sareer Ahmad, Danista Farooq	4 TH & MedGU (Mediterranean Geosciences Union)	
3	Geospatial technology in landslide hazard assessment – a case study along Bandipora-Srinagar highway, NW Himalaya, J&K, India	Ahsan Afzal Wani, Bikram Singh Bali, Sareer Ahmad, Umar Nazir	Society of Earth Scientists	2021
4	Development of Extensional features in compression tectonic settings of Himalayan thrust belt, inferences from geophysical and geological data	Ahsan Afzal Wani, Bikram Singh Bali	3 rd CAJG 2-5 Nov, 2020 (Springer)	2020
5	Landscape response to progressive tectonic and climatic forcing in NW Himalaya, Ladakh, J&K, India, Implications for geological and geomorphic controls on earthquake hazard	Bikram Singh Bali, Ahsan Afzal Wani, Sareer Ahmad, Mohd Irfan	North east Hill University, Shillong and Geological Society of India (GSI)	2020
6	Earthquake hazard potential along the Panjal Thrust and the Zaskar Thrust, NW Himalaya	Ahsan Afzal Wani, Bikram Singh Bali	3 rd CAJG 2-5 Nov, 2020 (Springer)	2020
7	Relative tectonic activity along the Panjal Thrust, and the Zaskar Thrust NW Himalaya, J&K, India: Insights from the Geomorphic indices and seismicity	Ahsan Afzal Wani, Bikram Bali	International conference on Remote Sensing and GIS for applications in Geosciences, Organised by Aligrah Muslim university, sponsored by NSERB,DIA	2017
8	Geo-dynamic characteristics of the Kashmir Himalaya: inferences from geodetic and tectonogeomorphic techniques	Bikram Bali, Ahsan Afzal Wani	International conference on Remote Sensing and GIS for applications in Geosciences, Organised by Aligrah Muslim university, sponsored by NSERB,DIA	2017
9	Geomorphic evidences of tectonic activity of the Indus Suture and Zaskar thrust in the Suru valley, Ladakh Himalaya	Ahsan Afzal Wani, Bikram Bali, Ruqiya Nazir, Nasir Hussain	National Seminar on Himalayan Biodiversity University of Kashmir Srinagar	2017
10	Morphotectonic analysis of the Madhumati watershed, northeast Kashmir Valley	Ahsan Afzal Wani, Bikram Singh Bali	University of Kashmir	2015

CHAPTERS IN BOOKS

SNo.	Title	Author s Name	Book Title	publisher	Year
1	Morphometric Analysis of Haheom Watershed Northwest Kashmir Valley, Using Geospatial Tools	Abbas A Mir, Ahsan A. Wani & Pervez Ahmed	Disaster Risk: Resilient Cities and Societies	R K Books, New Delhi, ISBN: 978-93-82847-28-1 pp. 156-177.	(2021).
2	Geospatial technology in landslide hazard assessment – a case study along Bandipora-Srinagar highway, NW Himalaya, J&K, India	Ahsan A. Wani , Bikram Singh Bali, Sareer Ahmad Mir, Umar Nazir, Gowhar Mehraj	Geospatial Modeling for Environmental Management: Case Studies from South Asia,"	Taylor and Francis/ CRC Press Boca Raton, FL 33487, U.S.A. ISBN: 9780367702892	2022

Webinars, Workshops and Training programs Attended and participated

SNo	Title	Sponsors	Venue	Year
1	One day Webinar on Disaster management in Natural Gas sector” 08th December 2020	National Institute of Disaster Management (NIDM) and Home Affairs Department	Cisco Webex	2020
2	Three day training programme on Disaster Management in Mountain Areas with special reference to Kashmir Himalaya	National Institute of Disaster Management (NIDM) and Department of Geography and Disaster Management		11 to 13 November , 2020
3	3-Day Online Training Programme on “Climate Change and Future Trends in Disaster Management” January 27th-29th , 2021	Department of Geography and Disaster Management and National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Government of India,	University of Kashmir	January 27th-29th , 2021
4	One Week Training Programme on Earthquake Risk Mitigation and Management 17 - 21 October, 2022	Department of Geography and Disaster Management University of Kashmir & National Institute of Disaster Management (NIDM) Ministry of Home Affairs (MHA), Government of India	Ghandi Bhavan	17 - 21 October, 2022
5	National Webinar on Investor Awareness Programme including Mutual Funds during and after Covid 19	Government Degree College Tral	Government Degree College Tral	24 August 2020
6	One day webinar on Recent trends in	Centre for climate and water	Suresh Gyan	28 august

	climatic studies: Issues and challenges	Research, Suresh Gyan Vihar University, Jaipur	Vihar University, Jaipur	2020
7	National Webinar on Investor Awareness Programme including Mutual Funds during and after Covid 19	Government degree college D. H.pora, Kulgam	Government Degree College D. H. pora, Kulgam	19 August 2020
8	10th Episode of the online Webinar series on geosciences for sustainable development “Active Faulting and Subsurface structural Variability of the Himalayan Foreland Basin, Nepal” by Dr. John W.F. Waldron	Institute of Himalayan Risk Reduction	Institute of Himalayan Risk Reduction	October,11,2020
9	One day Webinar on 15 TH Anniversary of Kashmir Earthquake-2005 Challenges, Resilience &Mitigation	NIDM	NIDM	October,08,2020
10	20TH Anniversary of the M6.9 of January 26, 2001 “URBAN EARTHQUAKE RISK MITIGATION”	NIDM and Ministry of Home Affairs, GOI	Ministry of Home Affairs, GOI	25 January,2021
11	National workshop on Impact of climate change on water resources of Upper Indus River Basin-An UIBN initiative.	MOEs, Indian Institute of Geomagnetism	University of Kashmir	1 st and 2 ND May, 2023

DECLARATION

I hereby declare that all the details furnished above are correct and trustworthy to the best of my knowledge.

PLACE: Srinagar



Ahsan Afzal Wani

References:

Prof. B. S. Bali

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