

Kumaun University, Nainital Curriculum Vitae

Name : Anita Pande
Designation : Professor
Department : Department of Geography
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Vidwan ID : 513010

Educational Qualification

Degree	University	Subjects	Year
Ph.D.	Kumaun University Nainital	Geography	1991
M.A.	Kumaun University Nainital	Geography	1985
B.A.	Kumaun University Nainital	English, Sanskrit, Geography, Psychology	1982

Work Experience

Position	Department	University/Organization	Year
JRF	DOEn	Kumaun University Nainital	1986-88
SRF	DOEn	Kumaun University Nainital	1988-89
Research Associate	CSIR	Kumaun University Nainital	Selected for award: 1992
Research Associate	NORAD	GBPNIHESD, Kosi Katarmal, Almora, Uttarakhand	1992-1994
Pool-Scientist	CSIR	Kumaun University Nainital	1995-1998
Lecturer	Geography Department	Kumaun University Nainital	1999-2003
Senior Lecturer	Geography Department	Kumaun University Nainital	2003-2008
Reader	Geography Department	Kumaun University Nainital	2008-2011
Associate Professor	Geography Department	Kumaun University Nainital	2011-2014
Professor	Geography Department	Kumaun University Nainital	2014-onwards

Administrative Responsibilities

Position	Nature of responsibility	University/Organization	Year
Member, K.U. Nainital	External-Flying -Squad	Kumaun University Nainital	2000
Assistant Proctor, DSB Campus, K.U. Nainital	Proctorial Board	Kumaun University Nainital	2000-05
Assistant Dean of Student Welfare, DSB Campus, Kumaun University, Nainital	D.S.W. Board	Kumaun University Nainital	2003-09
Warden, K.P. Girls' Hostel, K.U. Nainital	Hostel Committee	Kumaun University Nainital	2003-09
Academic Counsellor for 'Certificate Course in Environmental Studies' (CES) and 'Certificate Course in Tourism Studies' (CTS)	IGNOU	Kumaun University Nainital	2006-07
Resource Person for Training Course in RS and GIS	Department of Geography, KU, Nainital and sponsored by Uttarakhand Space Application Centre (U-SAC)	Kumaun University Nainital	2007
Resource Person for Counselling	UOU, Haldwani	Kumaun University Nainital	2012 Onwards
Resource Person for Refresher Course in Geography	UGC-ASC, K.U. Nainital	Kumaun University Nainital	2012 Onwards
Expert-Special Invitee, Uttarakhand Open University, Haldwani	Board of Studies	Kumaun University Nainital	2013
Assistant Superintendent of Examination, DSB Campus, K.U. Nainital	Examination Committee	Kumaun University Nainital	2013
Reviewer	Geo-resources	Kumaun University Nainital	2014
Executive Member	Indian Institute of Geomorphologists (IGI)	Kumaun University Nainital	2014 Onwards
Assistant Proctor, DSB Campus, K.U. Nainital	Proctorial Board	Kumaun University Nainital	2017-19
Reviewer	International Journal of Disaster Risk Reduction	Kumaun University Nainital	2017 Onwards
Vice-President, The Deccan Geographical Society of India (DGSI)	DGSI Governing Council	University of Pune, Pune	2017 Onwards
Assistant Dean of Student Welfare, DSB Campus, Kumaun University, Nainital	D.S.W. Board	Kumaun University Nainital	2019-22
Convener, Fee Concession Committee B.A.III Semester, DSB Campus, K.U., Nainital	Fee Concession Committee	Kumaun University Nainital	2019
Founder President, Geographical Society of Uttarakhand (GSUK)	GSUK Governing Council	Sri Dev Suman University, Rishikesh	2023

Research Interests

Geomorphological Investigations of Himalaya, viz. Environmental Geomorphology, Anthropogenic Geomorphology, Geomorphological Diversity, Geomorphology and Environment Impact Assessment, Geomorphology and Watershed Management, Application of RS & GIS in Geomorphological research.

Publications (start from recent publications)

a) Research Papers

Authors name	Title of the paper	Journal, vol, page no	Year
Vinita Joshi and Anita Pande	Landslide Occurrences under Diverse Landuse/ cover in Lower Kosi Watershed, Central Himalaya.	J. Geol. Soc. India, 99:1695-1704	2023
Vinita Joshi and Anita Pande	Landslide occurrences associated with natural and man-induced factors in Lower Kosi Watershed, Central Himalaya.	J. Earth Syst. Sci.132:121	2023
Anita Pande and B.R. Pant	Decadal Shift in Population and Working Women's Participation in Urban Environment of Uttarakhand Himalaya, India.	Indian Journal of Spatial Science, Summer Issue (14)1,1-12.	2023
Meenu Rani, Anita Pande, Kireet Kumar, Himanshu Joshi, Darwan Singh Rawat and Devendra Kumar	Investigation of groundwater recharge prospect and hydrological response to groundwater augmentation measures in Upper Kosi watershed, Kumaun Himalaya.	Groundwater for Sustainable Development, 16: 100720	2022
Anita Pande	Appraisal of Geomorphic Diversity with Special Reference to Basin-Area Extremity in Central Lesser Himalaya.	J. Geol. Soc. India, 94:375	2019:
Meenu Rani Himanshu Joshi, Kireet Kumar, Anita Pande and Diwan Singh Rawat	Development of recharge and conservation site suitability model for groundwater retrieval and evaluation of artificial recharge potential in a complex hydro-geological spring-fed river basin.	Arab J Geosci 12: 589.	2019
Vinita Joshi and Anita Pande	Prioritization of Sub-Watersheds Using RS and GIS in Himalaya: An Illustration of Lower Kosi Watershed in Uttarakhand.	International Journal of Research and Analytical Reviews (IJRAR) 6, (1) 1164-1175.	2019
Vinita Joshi and Anita Pande	Appraisal of Fluvial Morphometry using RS and GIS Techniques: A Case Study of Lower Kosi Watershed, Central Himalaya.	International Journal of Emerging Technologies and Innovative Research (JETIR) 6, (3) (538-551).	2019
Anita Pande	Juncture of Erosion, Land Use/Cover Status and Hazardous Geomorphic Processes in Central Lesser Himalaya.	J. Geol Soc India, 89, 357-488	2017
Anita Pande	Juncture of Erosion, Land	J Geol Soc India, 89, 357-488	2017

	Use/Cover Status and Hazardous Geomorphic Processes in Central Lesser Himalaya..		
Vinita Joshi and Anita Pande	Regional Planning for Lower Kosi Watershed, Uttarakhand Himalaya: A Geomorphological Approach.	Annals,NAGI,1,(2), 42-68	2017
Anita Pande	Assessment of Slope Instability and Its Impact on Land Status: A Case Study from Central Himalaya, India.	LA 32: 27–43	2016
Rekha Deolia and Anita Pande	Spatial Distribution of Dissection Index (Erosion Intensity) versus Geomorphological Environment in Parkha Watershed,Central Hiamalaya.	Indian Journal of Geography and Environment, 13, (1),10-22	2014
Rekha Deolia and Anita Pande	Geomorphic Evolution versus Landuse/Landcover status in Parkha Watershed, Central Himalaya).	The Deccan Geographer, 57, (1), 45-53	2014
Anita Pande	Livestock Feed Management and Fodder Consumption Pattern in Remote & Inaccessible Villages of Central Himalaya, India.	Quest, 6 (2), 410-418.	2012
Anita Pande	Structural Control and Evolution of Landforms in Upper Saryu Basin, Uttarakhand State.	The Deccan Geographer, 47, (1), 57-65.	2009
Anita Pande	Uttaranchal State (Uttarakhand): Map Review.	The Himalayan Geographer, 1, (1), 100-101.	2007
Anita Pande	Assessment of Drainage Basin Morphometry under Varying Terrain Units in Upper Saryu Basin, Kumaun Himalaya).	Annals, NAGI, 25, (1), 43-56.	2005
Anita Pande	Morphometric Personality of the Central Himalayan Basins with Special Reference to Erosion Stages.	The Indian Geographical Journal, 80 (2), 118-127.	2005
Anita Pande, R.C.Joshi and D.S. Jalal	Selected Landslide Types in Central Himalaya–Their Relation to Geological Structures and Human Activities.	The Environmentalist, 22 (3), 269-287.	2002
Anita Pande and D.S. Jalal	Karmi Flash Flood: A Geomorphological Approach. A Case Study in Upper Saryu Basin, Kumaun Himalaya.	The National Geographical Journal, 43 (2),122-13.	1997
Anita Pande	Terrain Evaluation in Upper Saryu Basin, Kumaun Himalaya (A Morphometric Approach).	The Deccan Geographer, 34, (2), 101-120	1996
Anita Pande and R.C.Joshi	Geomorphic Impact on Dissection Index, A Case Study of Upper Saryu Basin, Kumaun Himalaya.	The Geographical Review of India, 56 (4), 25-32.	1994
Anita Pande and D.S.Jalal	The Average Slope Distribution in Upper Saryu Basin, Kumaun Himalaya.	The Deccan Geographer.30, (1), 1-14.	1992
R.C. Joshi, B.R.Pant and Anita Pande	Geomorphological implication in Land Management. A Case Study of Kotadun, Central Himalaya.	The North Eastern Hill University Journal of Social Sciences and Humanities, 8 (3), 15-20.	1990
Anita Pande and	Lithology and Structure, As Aspects of Basin Morphometry - A Case Study of Upper Saryu Basin,	Annals, NAGI, 10 (2), 29-39.	1990

R.C.Joshi	Kumaun Himalaya.		
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b) Books

Authors name	Title of the book	Publisher	ISBN	Year
Anita Pande	Mountain Landforms p. 252	Kathachitra Prakashan, Lucknow-Bombay	978-93-82001-09-06	2014
Saxena, K.G., Rao, K.S., Pande, Anita, Rana, Urmila, Sen, K.K., Nehal and Majila, B.S.	Sustainable Rural Development, Opportunities and Constraints. A Micro Level Analysis of Pranmati Watershed in Uttar Pradesh Himalaya.	Shiva Offset Press, 14 Old Cannought Place, Dehradun	HIMVIKAS Publication No.6 (GBPIHED,Kosi,Almora:263643) -	1994

c) Book Chapters (start from recent publications)

Authors name	Title of the book	Publisher	ISBN	Year
Anita Pande	Environment and Development: Issues, Challenges and Measures	H.S.R.A.Publications	978-93-5506-423-3	2023
Anita Pande	Geo-Resources	K L Shrivastava and Arun Kumar (Eds)/ Scientific Publishers (India)	978-8-7233-895-4	2014
Anita Pande	Landslide Science and Practices, Vol. 1: Landslide Inventory and Susceptibility and Hazard Zoning	C. Morgottini, Paolo Canuti and Kyoji Sassa (eds)/ © Springer-Verlag Berlin Heidelberg	978-642-31324-0 DOI: 10, 1007/978-3-642-31325-7-78 (eBook)	2013
Anita Pande	Natural Resource Conservation in Uttarakhand Himalaya.	B.L. Sah (ed) /Ankit Prakashan, Haldwani		2009
Anita Pande	Uttaranchal Himalaya – Rishi, Vol. 1.	Maheshwar P Joshi and Lalit Prabha Joshi (eds)/ Shree Almora Book Depot, Almora	81-85865-19-1	1994

Projects

Title of the project	Funding agency	Amount (Rs)	Year
Impact of Human Intervention on Geomorphological Resources and Assessment of Risk with special reference to Environmental Impact Assessment in Jaigan Watershed, Central Lesser Himalaya	Chief Minister Higher Education Research Encouragement Scheme 2023-24 (CMHERES)	11,40,500/-	2024-26
Impact of Human Interventions on River Morphology and Water	Kumaun University Internal Research Grant 2023-24	200000/-	2024-25

Resource Management (A Case Study of Lower Kosi River, Uttarakhand Himalaya)	(KUIFR)		
Environment Impact Assessment (EIA) of Mining Operation in Uttarakhand Himalaya: A Case Study along Upper Reaches of Jaigan Watershed	UGC, New Delhi	1,10,000/-	2009-11
Geomorphic Hazard Mapping in Jaigan Watershed, Central Himalaya.	CSIR, New Delhi	Research-project under Scientists' Pool Scheme, Award No. 13 (6870-A) / 95-Pool.	1995-98

Teaching details

Name of the course/paper	Department	University	Year
UG LEVEL			
<u>B.A./B.Sc. Part-I/ Semester - I</u> i. Geography of Asia ii. Physical Geography iii. Practical Geography.	Geography Department	Kumaun University, Nainital	1999-2022
<u>B.A./B.Sc. Part-II/ Semester - II</u> i. Geography of India, ii. Geomorphology ii. Practical Geography	Geography Department	Kumaun University, Nainital	1999-2022
<u>B.A./B.Sc. Part-III</u> i. Economic Geography ii. Practical Geography	Geography Department	Kumaun University, Nainital	1999-2010
PG LEVEL			
<u>M.A./M.Sc. Part-I/ Semester - I & II</u> i. Advanced Geomorphology ii. Advanced Geography of India iii. Application of GIS and GPS iii. Practical iv. Dissertation and Seminar	Geography Department	Kumaun University, Nainital	1999 Onwards
<u>M.A./M.Sc. Part-II/ Semester III & IV</u> i. Advanced Geography of Uttarakhand ii. Mountain Geography with special reference to Uttarakhand Himalaya ii. Integrated Watershed Development ii. Practical iii. Dissertation and Seminar	Geography Department	Kumaun University, Nainital	1999 Onwards

Professional Memberships

Organization	Position	Year
Geographical Society of Central Himalaya (GSCH), Dehradun	Life Member	2024
Geographical Society of Uttarakhand (GSUK), Rishikesh	Founder Member	2023
OAKS, Department of Botany, Kumaun University, Nainital	Life Member	2012
Indian Society of Remote Sensing, Dehradun	Life Member	2007
The Himalayan Geographical Society, Srinagar	Life Member	2007

National Association of Geographers (NAGI), New Delhi	Life Member	2002
Central Himalayan Environment Association (CHEA), Nainital	Life Member	2001
The Himalayan Geographical Association, Nainital	Life Member	1999
The Deccan Geographical Society, Pune	Life Member	1992
Indian Institute of Geomorphologists (IGI), Allahabad	Life Member	1990
Indian Science Congress Association (ISCA), Kolkata	Life Member	1990

Honours and Awards

Award	Awarding Organization	Year
Merit Scholarship (National Scholarship in Intermediate)	Ministry of Education and Youth Services, Government of India	1979 and 1980
Merit Scholarship (National Scholarship in M.A.)	U.P. Higher Education Directorate, Allahabad	1983 and 1984
Gold Medal and 'Certificate of Merit'	U.P. Higher Education Directorate, Allahabad	1982
Gold Medal and 'Certificate of Merit'	Kumaun University, Nainital.	1982
Nominated as 'Student Representative' in the University-Council being the Topper of University-Faculty of Arts.	Kumaun University, Nainital	Academic Session 1982-1983

Conference Presentations

Title of presentation	Conference name	Name of the institution	Year
a. International:			
Sustainable Rural Development: Challenges, Opportunities and the Future Prospects: A Micro-level Investigation of Pranmati Watershed, Uttarakhand, Himalaya, India	1 st International Conference on 'Sustainable Development: Challenges and Opportunities and the Future Prospects'	BK Birla Institute of Higher Education, Pilani, (Rajasthan) in association with Glocal Environment and Social Association (GESA) and The Sustainability Practitioners	2024
Landslide episodes in relation to Land use/Land cover Status in Uttarakhand Himalaya (A study of Anthropogenic Geomorphology)	18 th International Conference of Deccan Geographical Society of India on "Urbanization and Climate Change: Strategies for Sustainable Cities through Geospatial Technologies"	Department of Geography, Osmania University, Hyderabad, Telangana State, India	2024
Geomorphic Flux along Main Central Thrust (MCT) in Uttarakhand Himalaya	14 th International Conference of Deccan Geographical Society of India on 'Global Economy, Sustainable Tourism and Climate Change'	Department of Geography, University of Rajasthan, Jaipur	2019
Investigation of Geomorphic Instability in Micro Watershed of Central Lesser Himalaya, Uttarakhand	13 th International Conference of Deccan Geographical Society of India on 'Sustainable Rural Development: Geospatial Solutions'	Department of Geography & Geoinformatics, Bengaluru University, Bengaluru	2018
Evolution of Landforms and Slope	9 th International Conference on Geomorphology (ICG) on	Indian Institute of Geomorphologists (IGI),	2017

Instability along Main Central Thrust in Central Himalaya (Upper Reaches of Sarju Watershed)	'Geomorphology and Society'	Vigyan Bhawan, New Delhi	
An investigation of varying Farm-Size and Cattle per hectare of Crop Land in Central Lesser Himalaya, India	International Seminar on 'Environmental Governance and Sustainable Development in 21st Century India: Challenges for the Mountain Regions in the Anthropocene'	Uttarakhand Political Science Association in association with UGC-Human Resource Development Centre, Kumaun University, Nainital	2017
Impact of Watershed-Area upon Geomorphic Environment: A Case Study from Lesser Himalayan Watersheds of Uttarakhand State, India	12 th International Conference of Deccan Geographical Society of India on Environmental Challenges in South and South-East Asia: Challenges and Prospects	School of Studies in Geography, Pt. Ravishankar Shukla University, Raipur, Chattisgarh	2017
Appraisal of Geomorphic Diversity with Special Reference to Basin-Area Extremity in Central Lesser Himalaya.	IAG Regional Conference on Geomorphology 'Gradualism and Catastrophism in Landscape Evolution'	Altai State University, Barnaul, Russia	2015
Geomorphic Evolution, Land Use/Cover Status and Hazardous Geomorphic Processes in Central Himalaya.	102 nd Indian Science Congress (Earth System Sciences) in the section of Earth System Sciences	University of Mumbai, Mumbai.	2015
Women, Gender Equality and Climate Change Scenario in Developing Countries.	International Conference on 'Gender Equity: Issues of Theory, Practice and Policy in Asia-Pacific Region'	UGC-Academic Staff College, Kumaun University, Nainital.	2013
Jogyura Landslide: Impact of Main Boundary Thrust, A case study from the Central Himalaya.	Second World Landslide Forum (WLF-II) on 'Putting Science into Practice'	The Global Promotion Committee of the International Programme on Landslides at Food and Agricultural Organization of the United Nations (FAO), Rome, Italy.	2011
Dynamics of Slope Instability and Its Impact on Cultural Landscape: A Case Study from Central Himalaya, India.	Carpatho-Balkan-Dinaric (CBD) Conference on 'Geomorphology'	Department of Physical Geography and Geoecology; Faculty of Science, University of Ostrava; IAG/AIG Carpatho-Balkan Dinaric Regional Working Group (CBDRWG); Carpatho-Balkan Geomorphological Commission (CBGC) and Czech Association of Geomorphologists at Sepetna Hotel, Ostravice	2011

		Village, Ostrava, Czech Republic.	
Livestock Pressure on Agricultural Land: A Case Study of Remote & Inaccessible Villages of Central Himalaya, India.	IGU Commission Conference on 'Local and Regional Responses to Globalization in the Mountains and Marginal Areas of the World'	Department of Geography, Kumaun University, Nainital	2011
Fragmented Holdings: A Case Study of Remote & Inaccessible Villages of Central Himalaya, India.	IGU Commission Conference on 'Local and Regional Responses to Globalization in the Mountains and Marginal Areas of the World'	Department of Geography, Kumaun University, Nainital.	2011
Variability among Erosion Conditions under Small Watersheds, Uttarakhand Himalaya.	98 th Indian Science Congress in the section of Earth System Sciences	SRM University, Chennai	2011
Geomorphological Hazards, Human Intervention and Risk Assessment in Small Catchment, Central Himalaya.	4th International Seminar on 'Small Catchment Dynamics: Connectivity in time and Space'	IAG/AIG Working Group on Small Catchments and Ministry of Agriculture, Israel.	2010
Investigation of Stage of Geomorphic Development and Categorization of Small Watersheds in Lesser Himalayan Terrain: Uttarakhand State.	97 th Indian Science Congress in the section of Earth System Sciences.	Andhra University, Visakhapatnam.	2010
Altitude versus Landuse Status with Special Reference to the Stage of Erosion in Jaigan Watershed, Uttarakhand Himalaya.	95 th Indian Science Congress in the section of Earth System Sciences.	Indian Institute of Remote Sensing and Survey of India, Dehradun.	2008
Geomorphic Instability with special reference to mining Operation in Himalayan Territory: Upper Reaches of Jaigan Watershed.	94 th Indian Science Congress in the section of Earth System Sciences.	Annamalai University, Annamalainagar, Chidambaram	2007
b. National:			
Geomorphological Instability in Ghat watershed of Central Lesser Himalaya, India.	27 th Conference of Indian Institute of Geomorphologists (IGI) on 'Geomorphology and Geospatial Technology in Environmental Management and Societal Development'	Department of Geography and Environment Management and Department of Remote Sensing and GIS, Vidya Sagar University, Midnapore	2014
Assessment of Environment Impact with	27 th Conference of Indian Institute of	Department of Geography and	

Special Reference to Mining Operation in Pungar Watershed, Central Lesser Himalaya.	Geomorphologists (IGI) on 'Geomorphology and Geospatial Technology in Environment Management and Societal Development'	Environment Management and Department of Remote Sensing and GIS, Vidya Sagar University, Midnapore	2014
Geomorphic Hazards – a Dilemma for Development in the Himalayan Realm – A Case Study from Central Himalaya.	National Seminar on 'Geology and Geo-Resources of Himalaya and Cratonic Regions of India'	UGC-Academic Staff College, BHU, Varanasi	2012
Neo-tectonic investigations and Mass-movements in the vicinity of Main Boundary Fault Zone in Central Himalaya, India	National Seminar on 'National Conference and Field Study on Landslide Management'	Disaster Management Cell, Uttarakhand Academy of Administration, Nainital and National Institute of Disaster Management, Ministry of Home Affairs, Government of India, New Delhi (World Center of Excellence on Landslide Disaster Reduction) at Uttarakhand Academy of Administration, Nainital	2012
Fodder Consumption Pattern: A Case Study of Remote & Inaccessible Villages of Central Himalaya, India	National Seminar on 'Ecology and Culture in Uttarakhand'	UGC-Academic Staff College, Kumaun University, Nainital	2011
Anthropogenic Processes and Resultant Landscape Alterations: Estimation of Geomorphic Hazards along Lesser Himalayan Terrain, Uttarakhand Himalaya	20 th Conference of Indian Institute of Geomorphologists (IGI) on 'Geomorphology in Disaster Mitigation and Management'.	Indian Institute of Remote Sensing and Survey of India, Dehradun (Uttaranchal)	2008
Assessment of Land Cover in Relation to Hazardous Geomorphic Processes in Lesser Himalayan Terrain	16 th Conference of Indian Institute of Geomorphologists (IGI) on Mountain Geomorphology: Multidimensional Approach	Indian Institute of Remote Sensing and Survey of India, Dehradun (Uttaranchal)	2003
Impact of Environmental parameters upon the Geomorphic Hazards in Ghuniyoli Gad Watershed, Lesser Himalaya	Seminar on Central Himalaya: Environment and Development (Potentials, Actions and Challenges)	Department of Geography, HNB Garhwal University, Srinagar (Uttaranchal)	2002
Geomorphic Hazard Assessment in Jaigan Watershed, Kumaun Lesser Himalaya	Seminar on Geology and Strategy for the next two decades	Department of Geology, Faculty of Science, Kumaun University, Nainital (Uttaranchal)	2001
Form and Characteristics of Drainage System in Kotadun, Kumaun Himalaya	8 th Indian Geographers Meet	Department of Geography, University of Bombay, Bombay	1987
Erosion Intensity and its Impact on Landuse in Kotadun, Kumaun Himalaya	8 th Indian Geographers Meet	Department of Geography, University of Bombay, Bombay	1987

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Signature of the Faculty Member