


**FACULTY PROFILE
PROFORMA**

Title (Ms/Mr/Dr/Prof)	Dr.	First Name	Usha	Last Name	Kumari Pathak	Photograph
Designation	Assistant Professor					
Department	Geography					
Address (Official)	Department of Geography, Kalindi College (DU), East Patel Nagar, Central Delhi, New Delhi – 110008					
Phone No.	7011864090					
E-mail	ushakpathak@gmail.com ushapathak@kalindi.du.ac.in					
Education						
Subject			Institution	Year	Details	
B.A.(Hons.) Geography			Ranchi Women's College, Ranchi University	1998	First Class	
M.A. Geography			P. G. Department of Geography, Ranchi University	2001	First Class	

Ph.D. Geography	Ranchi University	2014	Awarded
6 months Certificate Course in“Geo-Informatics”	Institute of Photogrammetry & Geo-Informatics (IPGI), Delhi	2015	
Career Profile			
Organization /Institution	Designation	Duration	Role
Kalindi College, University of Delhi	Assistant Professor	July 20, 2017 - till date	Teaching UG Students
Dr. Bhim Rao Ambedkar College, University of Delhi	Assistant Professor	Jan. 05, 2017 - April 27, 2017	Taught UG Students
Dr. Bhim Rao Ambedkar College, University of Delhi	Assistant Professor	Sept. 6, 2016 - Nov. 13, 2016	Taught UG Students
Shaheed Bhagat Singh College, University of Delhi	Assistant Professor	Feb. 27, 2015 - Dec. 18, 2015	Taught UG Students
Dr. Bhim Rao Ambedkar College, University of Delhi	Assistant Professor	Jan. 20, 2015 - April 24, 2015	Taught UG Students

Dr. Bhim Rao Ambedkar College, University of Delhi	Assistant Professor	August 28, 2014 - Nov. 13, 2014	Taught UG Students
Research Interests/Specialization			
Geomorphology, Urban Morphology, Urban Geography and Regional Planning			
Administrative Assignments / Contribution to corporate life			
<ol style="list-style-type: none"> 1. Convener paper recycling unit (2018-19). 2. Member Research Committee. 3. Member Academic Journal. 4. Member AQAR. 5. Convener criteria-1. 6. Member SSR. 7. Academic Journal. 8. Member committee for consultancy and Internship. 9. Plant incubation centre. 10. Dr. B.R. Ambedkar study centre. 			
Teaching Experiences (Subject/Courses taught)			

1. Kalindi College, University of Delhi

Teaching UG Students: Subjects:

- (a) Cartographic Techniques.
- (b) Thematic Cartography.
- (c) Regional Planning and Sustainable Development.
- (d) Physical Geography.
- (e) Human Geography.
- (f) Environmental Geography.
- (g) Digital Cartography .
- (h) General Cartography.
- (i) Hydrology and Oceanography.
- (j) Hydrology and Soil Studies.
- (k) Biogeography and Biodiversity.
- (l) Fundamentals of Remote sensing GPS/GNSS.
- (m) Regional Planning and Development.
- (n) Environmental Science.

2. Shaheed Bhagat Singh College, University of Delhi

- (a) B.A. (Hons.) Geography – Cartographic Techniques
- (b) B.A. (Hons.) English – Environmental Science
- (c) B.Com. (Hons.) – Environmental Science
- (d) B.A. (Hons.) English Journalism & Mass Communication, Applied Course – Environmental Science
- (e) B.A. (Hons.) Generic Elective Course – Geography of Tourism

3. Dr. Bhim Rao Ambedkar College, University of Delhi

- (a) B.A. (Hons.) Geography – Settlement Geography
- (b) B.A. (Hons.) Social Work – Environmental Science
- (c) B.A. (Hons.) Hindi Journalism & Mass Communication – Environmental Science
- (d) B.A. (Hons.) English Journalism & Mass Communication, Applied Course – Environmental Science
- (e) B.A. (Hons.) Applied Psychology – Environmental Science
- (f) B.A. Prog. - Resource Geography , Human Geography, Environmental Science
- (g) B.Com. Prog. – Environmental Science

Research Guidance

Publication (Peer Reviewed/Indexed Journals)			
Year of Publication	Title	Journal (Name of the journal. Vol Issue ISSN)	Co-Author
2023	Conservation and management of water resources for sustainable development in mountain ecosystem: a case study of Dewal Block, Uttarakhand, India	Terræ Didatica, 19 (Publ. Continua), 1-11, e023029. doi: 10.20396/td.v19i00.8673723	Yes
2022	Status of Women's Reproductive and Menstrual Health: A Socio-psychological Household Prognostication of Meena Tribal Community of Karauli, Rajasthan	Journal of the Anthropological Survey of India 1-21, DOI: 10.1177/2277436X221126025	Yes
2020	“Spatial Distribution of Outbreak of Locust Swarms: A Geographical Analysis of Vulnerability and Preventions in India”.	Sustainability, Agri, Food and Environmental Research, October-2020, Vol.9 NO.1, pg.91-106	Yes

2017	Issues and Challenges in Sustainable Growth: A Case Study of Ranchi City	Indian Streams Research Journal, Vol. – 7/4, Issue- May 2017, ISSN – 22307850	Solo Author
2017	Correlation of Geomorphic Attributes with Urbanization Problems: A Case Study of Ranchi City	Indian Streams Research Journal, Vol. – 7/3, Issue- April 2017, ISSN – 22307850	Solo Author
2017	Urban Challenges of Ranchi City	Practising Geographer, Vol. - 21/1, Issue- Summer 2017, ISSN – 09753850	Solo Author
2012	Assessment of Paleogeomorphology Evolution of Ranchi City, Jharkhand	Indian Streams Research Journal, Vol. – 2/2, March 2012, ISSN – 22307850	Solo Author
2012	Landform and Drainage Status in Ranchi City	Journal of Social Science and Humanities, Ranchi University	Solo Author
2006	Mapping through Space Technology for Natural Resource Management	Indian National Cartographic Association, Vol. – 26, Issue- 2006, ISSN – 09728392	Yes

Books

1. **Urban Morphometry Evolution and Analysis**, Disha International Publishing House, ISSN/ ISBN 978-93-91251-69-7,2022.
2. **Urban Growth Cultural Configuration and Planning in Developing Countries**, Disha International Publishing House, ISSN/ ISBN 978-93-91251-50-5,2022.

Book Chapters

1. “Impact of Land Use Changes on Livelihood among the Local Community in Upper Kullu Valley”, Coauthor with B W Pandey, V S Negi, P M Tripathi and Abhay Shankar Prasad, book chapter in B. W. Pandey (ed.) Dynamics of Land Use Change: Sustainability and Management, ISBN 978-93-5171- 002-8, Research India Press, New Delhi. 2014, 96-118.
2. “Ecological Dimension of Rural Water Supply in Cholaipur Block, Varanasi”, Coauthor with B W Pandey, Himanshu Mishra and Sangeeta Rani, book chapter in B. W. Pandey (ed.) Water Resources Potentiality Vulnerability and Management: Indian Perspective, ISBN 978-93-5171-095-0, Research India Press, New Delhi, 2017, 184-207.
3. “Geohydrological Characteristics and Urban Development: A Case Study of Ranchi City”, Solo author, book chapter in V.S. Negi, B.W. Pandey and Poonam Kumaria (eds.) ‘Whither Sustainable Development – Studies in Planning and Management of Land and Water Resources, ISBN: 978-93-5171-096-7, Research India Press, New Delhi, 2017, 169-185.
4. “Environmental Sustainability Policies, Programmes and Millenium Development Goal in Bihar”, Coauthor with Rajeev K. Ranjan, Anjan Sen and B. W. Pandey, book chapter in V.S. Negi, Jagbir Singh, Vaneeta Chandna and Anupama M. Hasija (eds.) ‘Dimensions of Development: Implications and Management, ISBN:978-93-5171-113-1, Research India Press, New Delhi, 2017, 192 - 204.
5. “Planning For Healthy and Sustainable Urbanization: A case study of National Capital Territory, Delhi”, Corresponding author with B W Pandey and Himanshu Mishra, bookchapter in ‘Making Cities Resilient’ edited by Sharma, Vishwa Raj, Chandrakanta (Eds.) published by Springer Nature Switzerland AG 2019 in the Urban Book Series, Pp. 53-63.
6. Ecological Challenges and Vulnerability Assessment for Exploring the Adaptation-Development Nexus for Sustainability in Alaknanda River Basin, Uttarakhand, India, a chapter in S. Sahdev, Singh, R, B, & Kumar, Manish book ‘Geo-ecology of Landscape Dynamics’. Springer: Advances in Geographical and Environmental Sciences (2020).

Seminar/Workshop/Conferences Presentation/Organisation

SEMINARS/CONFERENCES PARTICIPATED AS RESOURCE PERSON:

1. Participated as a Rapporteur in the first international conference on “Mass Disaster & Emergency Management (A Life-Saving Strategy)” on 20 ~21 April 2018, at Dayal Sing College (Morning), University of Delhi, New Delhi organized by the National Task Force for Disaster Management (A Unit of All India Foundation for Peace & Disaster Management) in association with Kingsmead School, England.
2. Participated as a Rapporteur in the first national seminar on “Climate Change Conclave - 2018” organized by Department of Geography, Shaheed Bhagat Singh College (Evening), the University of Delhi, held in Delhi, 21-22 April 2018.
3. Resource person for a workshop on environmental issues for the students of Environmental Studies, Bhim Rao Ambedkar College, University of Delhi, held in Delhi on April 10, 2017.

SEMINAR/WORKSHOP/CONFERENCE/ATTENDED/PAPER PRESENTED:

1. “Livelihood Contributions of Forest Resource to the Tribal Communities of Jharkhand” Paper presented National Seminar on “Non-Timber Forest Products (NTFPs), Tribal Livelihood, and Sustainable Development” organized by the Department of Geography, Kirori Mal College, University of Delhi, Delhi 110007 during October 13-14, 2023.
2. “Hydro-Geomorphologic Aspect and Drainage System Issues-A Case Study of Ranchi City” paper presented during 33rd conference of ‘The Indian Institute of Geomorphology (IGI)’ the theme Geomorphology and Environmental Sustainability organized by Department of Geography, University of Allahabad, Prayagraj from 02-04 December 2021.
3. “The Role of Forest Policies and Programs in Adaptation to Climate Change in Jharkhand”, paper presented in the International Conference on Building Resilient and Sustainable Societies: Emerging Social and Economic Challenges, organized by Department of Geography, Jamia Millia Islamia, New Delhi during November 25-26, 2020.

4. Successfully completed Online Two Weeks Refresher Course on “Geography, Geographers and Geospatial Technologies: Impacting Physical, Social & Gendered Spaces2021” from 22 November - 06 December 2021 and obtained Grade A, organized by’ MINISTRY OF EDUCATION PANDIT MADAN MOHAN MALVIYA NATIONAL MISSION ON TEACHERS AND TEACHING, In Collaboration with KIRORI MAL COLLEGE.

5. Successfully completed Two Week (Online) Interdisciplinary Faculty Development Programme on ‘MOOC's, E-Content Development, Research Methodology and Statistical Tools in Open Education World ’ (3rd August – 17th August 2021) organized by Kalindi College, the University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi.

6. “Sustainable Strategies for the Preparation and Mitigation of Flood Disaster, Enlight of Sendai Framework: A Case of Kisanganj District, Bihar” – paper presented at National Seminar on “Historical Geographies of Location and Cultural Evolution in India” organized by Department of Geography, Shaheed Bhagat Singh College, the University of Delhi in collaboration with The Association for Geographical Studies, held in Department of Geography, Delhi School of Economics, University of Delhi, Delhi, 13-14 April 2019.

7. “Assessment of Urban Metabolism of Ranchi City”-paper presented at International Conference on “Global Environmental Challenges, Human Health and Sustainable Development” organized by ESDA, CSRD (JNU), BRAC, CSIR-NEERI, held in the Convention Centre, JNU, New Delhi On 11-13 January 2019.

8. Successfully completed Faculty Development Programme on “Entrepreneurship, Motivation & Leadership “organized by ARSD, College, DU in collaboration with NIESBUD, an organization of the Ministry of Skill Development and Entrepreneurship, Government of India, held in ARSD College, the University of Delhi on 24-30 December 2018.

9. “Environmental Perspective in Master Planning of Ranchi City” – paper presented at National Seminar on “Climate Change Conclave - 2018” organized by Department of Geography, Shaheed Bhagat Singh College (Evening), the University of Delhi, held in Delhi, 21- 22 April, 2018.

10. “Environmental Challenges and Disaster Risk Reduction: A Case Study of Ranchi City, Jharkhand Area” – paper presented at International Conference on “Spatial Decision Support Systems for United Nations Sustainable Development Goals” organized by Department of Geography, Kalindi College, the University of Delhi, held in Delhi, 1-2 February 2017.
11. “Urban Sprawl, Ecological Challenges and its Impact on Sustainable Development: A Case Study of Ranchi City” – paper presented at National Conference on “Making Cities Resilient: Post Habitat III” organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi, held in Delhi, 3-4 February 2017.
12. “An Assessment of Land-use Land-cover Challenges using Geoinformatics in Ranchi City, Jharkhand” – paper presented at National Conference on “Geoinformatics for Natural Resource Management” organized by Department of Geography, Jamia Millia Islamia, New Delhi, held in Delhi, 7-8 February 2017.
13. “Environmental Issues of Urban Heat Island: A Case Study of Ranchi City, Jharkhand” – paper presented at National Workshop on “Climate Change, Spatial Technology & Disaster Mitigation” organized by Department of Geography, Swami Shradhanand College, the University of Delhi in association with Ministry of Earth Sciences, Govt. of India, held in Delhi, 16-17 February 2017.
14. “Planning for Healthy Sustainable Urbanization: A Case Study of NCT of Delhi” – paper presented at National Seminar on “Adaptation and Implementation of Paris Agreement: National Initiatives towards Climate Change Mission” organized by Department of Geography, Shaheed Bhagat Singh College (Evening), the University of Delhi, held in Delhi, 21-22 April 2017.
15. “Geomorphic Solutions of Environmental Crisis in Ranchi City Area” – paper presented at 30th Indian Geography Congress of NAGI held in Allahabad, 19-21 December 2008.
16. “Mapping through Space Technology for Natural Resources Management” – paper presented at 26th INCA International Congress held in New Delhi, 20-24 November 2006.
17. “Correlation of Geomorphic Attributes with Urbanization Problem in Ranchi City” – paper presented at 26th Indian Geography Congress of NAGI held at Rohtak, Haryana, 5-7 November 2004.

18. Participated in The First International Congress on ‘Need for Women’s Leadership in Fighting against COVID-19 (Strategy and Response) organized by IQAC, International Women’s Club hosted in association with The High Commission of the Republic of Ghana, New Delhi, Kingsmead School, England, Aditi Mahavidyalay, University of Delhi, VKS Care Foundation, New Delhi held online on 28-29th May 2020.
19. Participated in the webinar on ‘Enhancing Research Interest of Research Publication’ organized by IQAC, Maharaja Agrasen College, the University of Delhi on 3rd June 2020.
20. Participated in the webinar on ‘Leave Rules and Procedures for University and College Employees’ organized by IQAC, Staff Association and Library, Kalindi College, the University of Delhi on 17th June 2020.
21. Participated in the webinar on “Narratives in Lockdown: A Psychological Perspective” organized by the Department of Geography, Kalindi college on May 18, 2020.
22. Participated in the International Webinar on ‘Role of Library in Archiving and Dissemination of Knowledge in Unprecedented Times of COVID-19’ organized by the Department of History, Kalindi College University of Delhi held on Wednesday 10th June 2020.
23. Participated in a webinar on “*Art and Science of Mentoring*” lectured by Dr. Pratibha Jolly (FNASc, FInstP (UK), Academic Consultant NAAC, former Principal, Miranda House, the University of Delhi, organized by Physics Department, Daulat Ram College on June 1, 2020.
24. Participated in a webinar held on 12th May 2020 on the theme “Skill Development and Time Management during Outbreak of Covid-19” organized by IQAC, Students Union and Library, Kalindi College, DU.
25. Participated in “Training Sessions by ‘M’-Edu Professionals for effective Functioning of e- office” organized by IQAC, for Teaching and Non-Teaching Staff at Kalindi College, University of Delhi, India on 11th June 2020.

26. Participated in the webinar, organized by the Research Committee under the aegis of IQAC, on the topic “How to Avoid Predatory Publishing? What Researchers Can Do” on July 24, 2021.

27. HANDS-ON TRAINING SESSION ON E-Content Development using BasicTools
organized by: E-Content Development Committee, Kalindi College, the University of Delhi on 27th September 2021.

28. Participated in the webinar, organised by Kalindi College, Research Committee in Collaboration with IQAC, on the topic “Intellectual Property Rights inAcademics” on September 30, 2021.

29. CAPACITY BUILDING WORKSHOP ON RIGHTS Organised by: Women’s Development Cell, Kalindi College and Delhi Commission for Protection of Child Rights on 16th November 2021.

30. Participated in the international conference “Re-Orienting Gender, Geographies of Resistance, Agency, Violence and Desire in Asia” on the 19th of November 2014 organized by the Department of Geography, the University of Delhi in collaboration with the IGU.

31. Participated in the national conference “Smart Cities - Challenges And vision Ahead” on the 6th April 2015, India International Centre, New Delhi organized by the Department of Geography, Shaheed Bhagat Singh College, University of Delhi.

32. Participated in the conference on “Creating Academic Stewardship for Drinking Water & Sanitation” – on Friday, 5th Jun, 2015 at V.KR.V. Rao Conference Room, Institute of Economic Growth, Delhi University North Campus, Delhi – 110007.

33. Participated in the international conference “Livable Cities: Transforming Sustainability and its Challenges” on 5th -7th January 2018, held at Conference Centre, University of Delhi, New Delhi organized by the Department of Geography, Shaheed BhagatSingh College, University of Delhi.

34. Participated in the first international conference on “Mass Disaster & Emergency Management (A Life-Saving Strategy)” on 20th – 21st – April 2018, at Dayal Sing College (Morning), University of Delhi, New Delhi organized by the National Task Force for Disaster Management (A Unit of All India Foundation for Peace & Disaster Management) in association with Kingsmead School, England.

35. Participated in International Workshop “UGC-UKIERI International collaboration Projection Hi Flo-DAT: Indian Himalayan Flood Database, for Disaster Risk Reduction” held in International Guest House, the University of Delhi during June 18-20, 2018.

Professional Societies Memberships
<ol style="list-style-type: none"> 1. Life Member - National Association of Geographers of India (NAGI) 2. Life Member - The Foundation of Practising Geographers, Kolkata 3. Life Member – Environment and Social Development Association (ESDA)
Projects (Major Grants / Collaborations)
<ol style="list-style-type: none"> 1. In house Research Project on the topic “Health Care Management Information System: Spatial Study Of NCT of Delhi “(kalindi College). 2. In house Research Project on the topic “Disaster management Plan and Capacity Building of Kalindi College, University of Delhi”.
Other Details