

CURRICULUM VITAE



Name: **Dr. Ashutosh Singh**
Designation: Assistant Professor
Address (o): Department of Geography, School of Earth Sciences, SRT Campus, Tehri,
HNBGU, Srinagar, Uttarakhand, India.
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Nationality: Indian

Education Qualifications

- B.A with first division (71%) from the University of Lucknow, 2006 in Geography and, Anthropology.
- M.A. with first division (66.45%) from the University of Lucknow, 2008 in Geography.
- NET with JRF with first division from UGC, 2008 in Geography.
- Ph.D coursework with first division from Banaras Hindu University, 2013.
- Ph.D from Banaras Hindu University, 2014 titled “Integrated Watershed Management for Sustainable Development of Upper Kosi Watershed, District Almora”.

Career Profile

- Assistant Professor, Department of Geography, SRT Campus, HNB Garhwal University, Badshahithaul Tehri w.e.f Mar 18, 2024 to till date.
- Assistant Professor, Department of Geography, Mizoram University (A Central University), Pachhunga University College Campus, Aizawl from Nov 18, 2019 to Mar 17, 2024.
- Assistant Professor Grade II, Amity Institute of Geoinformatics and Remote Sensing, Amity University, Noida from Jul 15, 2019 to Nov 14, 2019.
- Dr. S. Radhakrishnan Post Doctoral Fellow, Department of Geography, Banaras Hindu University, Varanasi from Nov 18, 2015 to Nov 17, 2018.
- JRF and SRF Lecturer, Department of Geography, Banaras Hindu University, Varanasi from July 2010 to April 2014.

Project/Fellowship Grant Availed

- JRF, UGC, October 2009.
- SRF, UGC, 2012.
- Winner of Young Geographer Award 2015 awarded by Rameshwarnath Social and Welfare Foundation, UP, India.
- Research Promotion Grant, Mizoram University “Integrated Watershed Management for Sustainable Livelihoods in Lower Tlawng Watershed, Aizawl, Mizoram” Funded by Mizoram University, Aizawl on Mar 23, 2022.

Administrative Positions

- Member, Board of Studies, Department of Geography, KMC Language University (A UP State Government University), Lucknow, 2021-2024 session.
- Reviewer of the syllabus of B.A. (H) Geography, B.Sc. (H) Geography, and M.A. Geography as per "New Education Policy 2020-21", Department of Geography, KMC Language University (A UP State Government University), Lucknow.
- Member, Board of Studies, Department of Geography and Resource Management, Mizoram University, Aizawl.
- Member, UG Moderation Board, Department of Geography and Resource Management, Mizoram University, Aizawl.
- Examiner in charge of the Department (Session 2019-20), Pachhunga University College, Aizawl, Mizoram.
- Departmental IQAC In-charge, Pachhunga University College, Aizawl, Mizoram.
- SWAYAM Departmental In-charge, Pachhunga University College, Aizawl, Mizoram.
- Member of the Selection Board for engagement of PGT Geography and other subjects on a contractual basis for the academic session 2022-23, Kendriya Vidyalaya (KV), Aizawl, Mizoram

Research Interest/ Specialization

- Integrated Watershed Management and Development in the Himalayan Region
- Sustainable Development
- Integrated Rural Area Management and Development
- Natural Resource Management

Honours & Awards

- Dr. S. Radhakrishnan Post Doctoral Fellow in Humanities and Social Sciences (U.G.C., 2015), Dept. of Geography, Banaras Hindu University, Varanasi.

Conference Organized

- Organizing Secretary, Three Days International Conference on **Environmental Hazards in Mountainous Regions: Problems and Prospects**, Department of Geography, Mizoram University, Pachhunga University College Campus, Aizawl, Mizoram, Feb 21-23, 2024.
- **Convener**, International Conference on **Management of Natural Resources & Sustainable Livelihoods through IWM for North-East India: Evidences, Gap and Future Strategies**, organized by the Department of Geography, Pachhunga University College (A Constituent College of Mizoram University, A Central University), Aizawl, India, May 4-5, 2023.
- Organizing Secretary, special Invited lecture on **Geospatial Technology in Healthcare Services and Disease Monitoring**, Aug 13, 2021.
- Convenor, International Webinar on **Natural Resource Management & Sustainable Development: North-East Chapter**, Department of Geography, Mizoram University, Pachhunga University College Campus, Aizawl, Mizoram, Apr 17 -18, 2021.
- Convenor, National webinar on **Role of Geospatial Technology in Advance Geographical Research**, Department of Geography, Mizoram University, Pachhunga University College Campus, Aizawl, Mizoram, Oct 31, 2020.
- Moderator/rapporteur in a technical session on the **Impact of Climate Change, Global Warming, and Extreme Weather Events** during the 33rd IGI International Geography Online Conference on the theme Geomorphology and Environmental Sustainability, organized by the Department of Geography, University of Allahabad, Prayagraj from Dec 2–4, 2021.

Invited Lecture:

- **Geomorphology and Geographical Landforms** in Mizoram University online coaching for Civil Services Exam (2021), Nov 16, 2020.
- **Action plans to prevent the commercialization of education and suggestions** organized by the Department of Geography, Kamala Devi Bajoria Degree College, Dubahar, Ballia, U.P., Sep 4, 2020.

Training course and Orientation course attended:

- Faculty Induction Programme with 'A' Grade, Faculty Development Centre, Department of Education, Mizoram University, Aizawl, Mizoram, Nov 18 to Dec 17, 2019.
- National Training Programme on Earthquake Mitigation jointly organized by the National Institute of Disaster Management, Ministry of Home Affairs, Government of India, New Delhi, and North-Eastern Hill University, Shillong, from Jul 8 -10, 2020, in online mode.
- Orientation Course (UGC Sponsored) with 'A' Grade, Human Resource Development Centre, Mizoram University, Aizawl, Mizoram, Jul 28 to Aug 17, 2020.

- Refresher Course (UGC Sponsored) with ‘A’ Grade, Human Resource Development Centre, Mizoram University, Aizawl, Mizoram, Aug 19 to Sept 1, 2020.
- Faculty Development Program, “OPEN SOURCE GIS SOFTWARE – QGIS” organized by Department of Geography, HNB Garhwal University, Uttarakhand, collaboration with Geography Department, IASE, (Deemed to be University) Churu, Rajasthan, Jul 21 to 27, 2020.
- Faculty Development Program, "Interdisciplinary Studies & Higher Education: Prospects & Challenges," organized by Dyal Singh College, University of Delhi, in collaboration with Mahatma Hansraj College Faculty Development Centre, Hansraj College, University of Delhi, Jul 26 to 31, 2021.
- Certificate Online Course on “Basic of RS GIS & GNSS. Dehradun, Uttarakhand, Aug 16 to Nov 26, 2021, 90 Days (Total course duration was = 90 hours), IIRS, Dehradun.
- Faculty Development Program on Mentoring Institutional Social Responsibilities and Facilitation for Community Engagement organized by Mahatma Gandhi National Council of Rural Education (MGNCRE) Hyderabad at UGC-HRDC, Mizoram University, Aizawl, Mizoram, Sep 19 to 23, 2022.
- Participated in the “Hands-on Training on Geoinformatics Research Methodology Workshop” from Oct 25 to 31, 2022, conducted in Geoinformatics Laboratory, Department of Environmental Science, Pachhunga University College, Aizawl, Mizoram, funded by SERB, DST.

Workshop Attended

- National Workshop on Geo-Spatial Technology organized by the Department of Geography, Pachhunga University College, Aizawl, Mizoram, Feb 10-14, 2020.
- National Workshop on Methodology of Social Sciences and Humanities Organized by Arya Mahila P.G. College, Chetganj, Varanasi from Jan 28 to Feb 3, 2012.

Authored Books

- Natural Resources Management and Sustainable Livelihoods in the Mountainous Region, Evidence, Gap and Future Strategies. In Eds., Praveen Kumar Rai, **Ashutosh Singh**, Bobby Beingachhi, Suraj Kumar Singh. Springer Singapore <https://www.springer.com/series/13113>. 978-981-97-2100-9; Series ISSN: 2198-3542.
- Integrated Watershed Management For Sustainable Development, ISBN: 978-81-936654-2-8. M.K. BOOKS (An Imprint of R.K. BOOKS), Ansari Road, Darya Ganj, New Delhi.

Papers Published

- Rezayee, A., Rai, P. K., Prasad, R., **Singh, A.**, Singh, P., Misra, R. K., & De, B. (2023). Assessment of Wakhan Corridor Glaciers and Glacier Lakes in Afghanistan from 1994-2019 Using Earth

Observation Data. *EVERGREEN Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy*, ISSN:2189-0420(Print), ISSN:2432-5953(Online), Vol. 10, Issue 04, pp2439-2448.

- Rai V K, Kumar P, Rai P. K., **Singh A**, Prasad D. (2023). GIS-Based Analysis of Spatial Disparities in Health Care Facilities of Ghazipur District, India. *Health Science Journal*; ISSN 1791-809X, Vol. 17 No. 1: 994.
- D L S David, Roy J, Biswas B., Jadhav R, Singh A, Prasad D (2022). Associated impact of the Covid-19 induced lockdown on Kolkata Metropolitan Area air quality (India)., *Forum Geografic*, ISSN:15831523, 20674635, Volume XXI, Issue 1, pp. 34-43 <http://dx.doi.org/10.5775/fg.2022.003.i>.
- Biswas B., **Singh A**, Rai P. K., Kumar J, Walker S. (2022). GIS-Based Study of Reclamation of Degraded Semi-Arid Soil and Development of Sustainable Livelihood – Case Study from Rajasthan, India. *Indian Journal of Environmental Protection.*, ISSN: 0253-7141, Vol. 42, No. 3, Kalpana Corporation.
- Prasad D., **Singh A**, Biswas B., Sanyal S. (2021). Spatio-Temporal Study of Pond Water Quality Using Principal Component Analysis (PCA): A Geographical Study of Jaunpur City. *Indian Journal of Environmental Protection.*, ISSN: 0253-7141, Kalpana Corporation.
- **Singh A**, Rai P. K., Deka G., Biswas B., Prasad D., Rai V. K. (2021). Management of natural resources through integrated watershed management in Nana Kosi micro watershed, district Almora, India. *Ecology, Environment and Conservation.*, ISSN: 0971-765X, VOL. 27 (February Suppl. Issue), EM International.
- Rai V. K., Kumar P., **Singh A.**, Prasad D., Rai P. K. (2021). GIS Based Analysis of Distribution of Heavy Metal Pollutants in India: Sources, Toxicity & Mitigation. *Pollution Research.*,ISSN: 0257-8050, Vol. 40 (1), EM International.
- **Singh A** (2017). People's Response on Land, Water and Biomass Development in Upper Kosi Watershed, Almora, Uttarakhand. *National Geographical Journal of India.*, ISSN: 0027 - 9374, Vol. 63 (4) , Dept. of Geography, B.H.U., Varanasi.
- **Singh A**, Singh S. B. (2017). An Appraisal of Spatial Organization of Settlements in Upper Kosi Watershed of Kumaon Himalaya, Uttarakhand. *The Geographer.*, ISSN:0072 - 0909, Vol. 64 (1), Dept. of Geography, A.M.U., Aligarh.
- **Singh A**, Singh S. B. (2015). Peoples' Participation In Integrated Watershed Management Planning: A Case from Kumaun Himalaya. *Indian Journal of Regional Sciences.*, ISSN:0046 - 9017, Vol. XLVII, Kolkata.
- **Singh A**, Singh S. B. (2015). Water Resource Management of Upper Kosi Watershed of Kumaon Himalaya, Uttarakhand. *Geographical Review of India.*,ISSN: 0375 - 6386, Vol. 77 (1), Dept. of Geography, University of Calcutta, Kolkata.

- **Singh A**, Singh S. B. (2015). Nature of Migration in Upper Kosi Watershed of Kumaon Himalaya: A Study in Population Geography. *National Geographical Journal of India.*, ISSN: 0027 - 9374, Vol. 61, Pt. 1, 159, Dept. of Geography, B.H.U., Varanasi.
- **Singh A**, Singh S. B. (2014). Spatio-Temporal Analysis of Settlements of Upper Kosi Watershed, Kumaon Himalaya, Uttarakhand. *Indian Journal of Landscape System and Ecological studies.*, ISSN No. 0971 - 4170, Vol. 37, No 2, 17, Dept. of Geography, University of Calcutta, Kolkata.
- **Singh A**, Singh S. B. (2014). Assessing the Physical Aspects of Upper Kosi Watershed by Using Remote Sensing and GIS Technique. *The Geographer.*, ISSN: 0072 - 0909, Vol. 61, No.2, 76, Dept. of Geography, A.M.U., Aligarh.
- **Singh A**, Singh S. B. (2014). Assessment of Forest Biomass Flow in the Upper Kosi Watershed of Kumaon Himalaya. *Eastern Geographer.*, ISSN: 0973 – 7642, Vol.20 No. 1, 223, Dept. of Geography, Utkal University, Bhubaneswar.
- **Singh A**, Singh S. B. (2013). Eco-Development of Land Resource Through IWM of Upper Kosi Watershed of Kumaon Himalaya. *Indian Journal of Landscape System and Ecological studies.*, ISSN: 0971 - 4170, Vol.36, No.1, Dept. of Geography, University of Calcutta, Kolkata.
- **Singh A**, Singh S. B. (2011). Attaining Sustainability through IWM: A Case of Upper Kosi watershed, Almora. *National Geographical Journal of India.*, ISSN: 0027 - 9374, Vol. 57, pt. 2, 15, Dept. of Geography, B.H.U., Varanasi.

Book Chapters Published

- Ranjan M, **Singh A**, Lalpawimawha, Zoramthanga R. and Vanlalhriatsaka (2023). A study on temporal dynamics of Malaria in Mizoram: A district-wise analysis. *Disaster Management and Environmental Sustainability*, Wiley- Scrivener Publishing LLC. (**Accepted**)
- Prasad D., Kumar J., Rai P. K., Biswas B, **Singh A**. & Ranjan M (2023). Assessment of Seasonal Variation in Water Quality of Gomti River, Jaunpur City, India. In Eds Shyam Kanhaiya, Saurabh Singh, Arohi Dixit, Atul Kumar Singh Editors, *Rivers of India: Past, Present & Future*, Springer, ISBN 978-3-031-49162-7 ISBN 978-3-031-49163-4 (eBook), S. Kanhaiya et al. (eds.), pp 153-164, https://doi.org/10.1007/978-3-031-49163-4_8.
- Biswas B, Rahaman A., **Singh A**. (2021). Seismic Hazard Zonation Mapping of Gangtok Block, Sikkim, India. Rai P. K. et al. (eds.), *Recent Technologies for Disaster Management and Risk Reduction – Sustainable Community Resilience & Responses (Edt)*, ISBN: 978-3-030-76115—8, 978-3-030-76116—5(eBook), pp 41-55, Springer Nature, https://doi.org/10.1007/978-3-030-76116-5_3.
- **Singh A**, Singh S. B. (2012). Integrated Watershed Management Planning for Kumaun Himalaya: A case study. *Changing Scenario of Development in Globalised Era*, ISBN NO: 978-81-923515-2-0, I.D.S. Publisher, Varanasi.

Paper Presented in International Conferences/ Seminars

- *Management of Natural Resources through Integrated Watershed Management for Sustainable Development in Nana Kosi Micro Watershed, Kumaon Himalaya* in the IGS - International E-Conference on “EARTH SCIENCES AND SUSTAINABLE DEVELOPMENT GOALS” Conducted by Dept of Geography, Osmania University, Hyderabad, Telangana in Collaboration with the Indian Geographical Society, Chennai., from Aug 5 to 7, 2021.
- *Natural Resource Management through Integrated Watershed Management for Sustainable Livelihood in Kumaon Himalaya, Uttarakhand*, during the 33rd IGI International Geography Online Conference on the theme Geomorphology and Environmental Sustainability organized by the Department of Geography, University of Allahabad, Prayagraj from Dec 2–4, 2021.
- *Effect of Heritage Tourism on Sustainable Livelihood- A Study in Sivasagar district, Assam* during the International Conference on Management of Natural Resources & Sustainable Livelihoods through IWM for North-East India: Evidences, Gap & Future Strategies organized by Department of Geography, Pachhunga University College (A Constituent College of Mizoram University),, Aizawl during May 04-05, 2023.
- *Water Resource Appraisal and its Management in Nana Kosi Micro Watershed of Almora District, Uttarakhand*, in International Conference on Challenges and Solutions for Sustainable Environment organized by Centre for Climate Change and Water Resource, Suresh Gyan Vihar University, Jaipur, 9-11 February 2018.
- *Nature of Migration and its Impact on Rural Economy in Nana Kosi Micro Watershed of Kumaon Himalaya, Uttarakhand* in International Conference on Perspectives on Morden India and the Emerging World Order: Old Issues and New Challenges organized by Dept. of Economics, Faculty of Social Science, Banaras Hindu University, Varanasi, Feb 20-21, 2016.
- *Natural Resource and Management of Upper Kosi Watershed of Kumaon Himalaya, Uttarakhand* in International Conference on Tourism, Environment, and Development organized by University Dept. of Geography, Magadh University, Bodhgaya, in Collaboration with The Deccan Geographical Society, India, Bodh Gaya, Feb 26-28, 2015.
- *Managing Natural Resources through IWM for Sustainable Mountain Development* in International Seminar Population Dynamism and Sustainable Resource Development organized by Deptt. Of Geography, AMU, Aligarh, U.P., India March, 25 to 27, 2012.
- *Sustainable Development through IWM: A Case Study of Nana Kosi Micro Watershed*, in International Conference on Technology, Energy and Sustainable Rural Environment organized by Dept. of Geography, BHU, Varanasi. U. P. Nov., Feb 23 to 25, 2011.
- *Sustainable Development through Watershed Management: A Case Study of Khul Gad Micro Watershed, Almora District, Uttarakhand*, in International Conference on International Conference

on Climate Change, Geo-Hazards and Disaster Management organized by Deptt. Of Geography, University of Rajasthan, Rajasthan, Jan 17 to 19, 2011.

- *IWM for Sustainable Natural Resource Management in Uttarakhand* in International Conference on XXXI Annual Conference of IIG organized by PG Department of Geography, Bangalore University, Karnataka, Feb 19 to 21, 2010.

Paper Presented in National Conferences/ Seminars

- *Biodiversity of North East India: Problems & Prospects* in National Seminar on Environmental Management: Issues and Challenges in North East India organized by the Department of Environmental Science, Pachhunga University College (A Constituent College of Mizoram University), Aizawl during June 1-2, 2023.
- *Integrated Watershed Management for Sustainable Rural Livelihoods in Nanakosi Micro Watershed, Kumaon Himalaya, India* in two days National Seminar on Climate Change, Environment & Sustainable Development held at KMC Language University, Lucknow, UP., Aug 24 - 25, 2022
- *Managing Natural Resources through IWM for Sustainable Mountain Development in Nana Kosi Micro Watershed, District Almora, Uttarakhand* in National Conference on Perspectives on Land, Water and Population: Issues and Challenges organized by Department of Geography, B.H.U., Varanasi, Feb 26-28, 2018.
- *An assessment of Migration and its Impact on the Environment and Rural Economy in Nana Kosi Micro Watershed of Kumaon Himalaya* in the National Conference on Energy, Environment and its Impact on Society organized by the Faculty of Science, K.N. Govt. P.G. College, Gyanpur, Bhadohi, Jan 19-20, 2017.
- *Estimating the Condition of Education Infrastructure Facility and its Development in Upper Kosi Watershed, District Almora, Uttarakhand* in National Conference on Education and Society: A Discussion organized by Rameshwar Nath Social and Welfare Foundation, U.P., Dec 30, 2015.
- *IWM for sustainable agriculture of Kosi head region* in National Conference on Demographic Change and Sustainable Agriculture in Uttar Pradesh organized by Department of Geography, Kooba P.G. Collage, Azamgarh, U.P., Dec 18-19, 2013.
- *Sustainable Mountain Development through IWM: A Case from Upper Kosi Watershed* in National Conference on Regional Pattern of HRD organized by Department of Geography, National PG College, Lucknow, U.P., Feb 16 to 17, 2013.
- *Peoples Participation for Integrated Watershed Management Planning: A Case from Kumaon Himalaya* in National Conference on Hazards, Vulnerability and Sustainable Development organized by 34th Indian Geography Congress, Department of Geography, Patna University, Patna, Bihar, Nov 2 to 4, 2012.

- *Resource Development and Management: A Case Study of Central Indian Tribes* in National Seminar Development, Resource Utilization and its Impacts on Local People of Central India organized by Department of Geography & Regional Development IGNTU, Amarkantak, M.P., March 27 to 28 2012.
- *IWM Planning for Kumaon Himalaya* in National Conference on Environmental Concerns and Sustainable Development, issues and challenges for India organized by Institute of Environment & Sustainable Development, BHU, Varanasi, U.P. March, 2 to 4, 2012.
- *Integrated Watershed Management planning for Kumaon Himalaya: A Case Study* in National Conference on Sustained Development in Globalised Era organized by Department of Commerce, DAV PG College, Varanasi, U. P., Feb 3-4, 2012.
- *Sustainable Development through IWM: A Case Study of Kantali Gad Watershed, Almora*, in National Conference on RADGKAS organized by Department of Geography, BHU, Varanasi. U. P., India, Nov., 3.4, 2011.
- *Integrated Watershed Management Plan for Sim Gad of Kumaon Himalaya*, in National Conference on Global Environment issue: Problem & Prospects organized by Department of Geography, National PG College, Lucknow, U.P Nov., Feb 19 to 20, 2011.
- *Integrated Watershed Management: A Case of Sim Gad Micro Watershed* in National Conference Climate change: Challenges & Option for India, organized by Department of Geography, Bapu PG College, Pipiganj, Gorakhpur, U.P., Dec 18 & 19, 2010.
- *Integrated Watershed Management Plan for Upper Kosi Watershed, Almora*, in National Conference 32nd Indian Geography Congress organized by Department of Geography, Punjab University, Chandigarh, Punjab., Nov 19 to 21, 2010.
- *Sustainable Development through Watershed Management: A case study of Khul Gad Watershed, Almora, Uttarakhand* in National Conference Environment, Technology and Sustainable Development in India organized by Department of Geography, Gorakhpur University, U. P., Nov 12–14, 2010.
- *IWM Planning for Nana Kosi Watershed* in National Conference on Population, Environment & Sustainable Development organized by Department of Geography, S.P.M. Govt. College, Allahabad, U.P. Oct 29, 2010
- *IWM for Sustainable Development: A Plane for Uttarakhand* in National Conference on *Samkaleen Vikaas Janya Paryavarneeya Chunautiaan* organized by Department of Geography, Basant Mahila Maha-vidyalaya, Raj Ghat Fort, Varanasi, U.P., Sept 28 to 29, 2010.

PhD Research Scholars, Under Supervision

- Archina Siddika - *Socio-economic condition and livelihood security assessment of tae tribes in Upper Assam, India*, Registration No: MZU/Ph.D./2069 of 31.08.2022

- Bidhya Devi Rai - *Occupational Vulnerability and Livelihood Diversification among Tea Garden Workers; A Comparative study in Darjeeling and Jalpaiguri District, West Bengal.*

Professional Society Memberships

- Geography Association of Mizoram (GAM), Aizawl, Mizoram.
- National Geographical Society of India, Department of Geography, B.H.U., Varanasi, U.P.
- Eastern Geographical Society, Department of Geography, Utkal University, Bhubaneswar, Odisha
- National Association of Geographers, India, Department of Geography, BHU, Varanasi, 221 005

Skills

ArcGIS, SPSS, MS OFFICE (Word, Excel, and PowerPoint), Map info 6.5, and 8.5.

Declaration

This is to certify that all the information given in this Curriculum vitae (CV) is correct to the best of my knowledge and belief.

Place: Tehri, Uttarakhand, India.

(Dr. Ashutosh Singh)