


Faculty Details Proforma for DU Web-site



Title	Dr.	First Name	Shikha	Last Name	Yadav	Photograph
Designation		Assistant Professor				
Address		Department of Geography, Miranda House, University of Delhi, Delhi-110007, India				
Phone No. Office		011-27752741				
Residence		-----				
Mobile		9911689132				
Email		shikhayadav356@gmail.com				
Web-Page					
Educational Qualifications						
Degree		Institution			Year	
Ph.D.		Department of Geography, Delhi School of Economics, University of Delhi			Awarded in June 2022	
M.Phil.		N.A.				
M.Sc. (Geography)		Department of Geography, Kurukshetra University, Haryana, India			2012	
Graduation Geography(H)		Dr. B.R. Ambedkar College, University of Delhi, Delhi			2006	
Any Other Qualification		University Grants Commission –National Eligibility Test			2013	
P. G. Diploma in Remote Sensing & G.I.S.		I.G.N.O.U., New Delhi			2017	
Career Profile						
Organisation/Institution		Designation			Duration	
Miranda House, University of Delhi.		Assistant Professor, Department of Geography			03/07/2023 (F/N) - till date.	
Aditi Mahavidyalaya, University of Delhi		Assistant Professor			20/07/2015 -03/07/2023	

SGPG College, DDU Gorakhpur University, Gorakhpur, U.P.	Lecturer	01/07/2012 – 30/06/2015
Administrative Assignments		
<p>Organised a Seminar on the topic MILLETS: A GATEWAY TO HEALTH AND FOOD SECURITY inspired by UN INTERNATIONAL YEAR OF MILLETS, at Aditi Mahavidyalaya, University of Delhi, on 10th February ,2023.</p> <p>Organised a Webinar “Role of MSME in Creative Economy for Sustainable Development since Independence” on 3rd September 2021, Aditi Mahavidyalaya, University of Delhi.</p> <p>Co-Coordinator of NSS Committee of Aditi Mahavidyalaya since year 2019.</p> <p>Member, Library Committee, Department of Geography, in year 2018-19.</p> <p>Editing Member of Geography Department Magazine ‘Dharitri’ during 2016-17 and 2017-18.</p> <p>Member of Enabling Unit, Aditi Mahavidyalaya, University of Delhi during admission in year 2018.</p> <p>Member of Examination Committee in year 2017-18.</p> <p>Organising Member of UGC Funded National Conference on “Climate Change and Disaster Risk Reduction in Urban System” at Aditi Mahavidyalaya, University of Delhi, 26th March, 2018.</p> <p>Organising Member of UGC Funded National Conference on ‘Recent Advances in Chemical & Sciences towards Green & Sustainable Environment: Swachh Bharat Abhiyan Perspective’, 10-11 October, 2017.</p> <p>Member of Time Table Committee in year 2017-18.</p> <p>Member of Annual Day Committee in year 2017.</p> <p>Member of Gandhi Study Circle in year 2016.</p> <p>Member of Alumni Committee in year 2016.</p> <p>Member of Unnat Bharat Abhiyan in year 2016.</p> <p>Organising Member of National Workshop on “Smart Agriculture: A Blend of Ancient Wisdom and Modern Technology” at Aditi Mahavidyalaya, University of Delhi, 29- 31 March, 2016.</p> <p>Member of Internal Assessment Committee in year 2015-16.</p> <p>Member of Student Union Advisory Committee in year 2015-16.</p> <p>Member of Cultural Committee in year 2015-16.</p>		
Areas of Interest / Specialization		
Agriculture Geography, Population Geography, Sustainable development, Contemporary Environmental Issues, Remote Sensing & G.I.S.		
Subjects Taught		
Sustainable development, Agriculture Geography, Population Geography, Environmental Geography, World Economic Geography, Statistical Methods in Geography, Remote Sensing & GIS, Field Techniques & Surveying methods.		
Research Guidance		

Supervised various practical files on subjects like Remote Sensing, Geographic Information System and Field Techniques & Survey.

Publications Profile

1. Books/ Authored and Chapters in Book

- **Development of Education Sector in U.P. Trends and Patterns**, Rawat Prakashan, Delhi, 2018. (ISBN No-978-93-86687-62-3)
- **Population and Reproductive Health Scenario in U.P. Issues and Challenges**, Rawat Prakashan, Delhi, in 2018. (ISBN No-978-93-86687-61-6).
- **Prospects of Tourism Sector in Assam to Achieve Sustainable Development Goals**, Advances in Geographical and Environmental Sciences, Subhash Anand et al. (Eds): Sustainable Development Goals in Northeast India, En, (Chapter 25), 978-981-19-6477-0, 517204_1.
https://link.springer.com/chapter/10.1007/978-981-19-6478-7_25
- **“Efficiency Assessment of Sewage Treatment Plants for Treating Wastewater: A Case Study of Narela Sewage Treatment Plant”** Chapter 5, in Dr R.K. Mishra, Prof. R.B. Singh, Dr Anupama Dubey (Eds.) Sustainable Climate Action and Water Management, pp.61-72. Springer International Publishing, Singapore, 2021.ISBN 978-981-15-8236-3(Print) & 978-981-15-8237-0(Online) accessible at
<https://link.springer.com/chapter/10.1007/978-981-15-8237-05>
- **Sources of bio-waste and their application in Agriculture**, Sustainable Agriculture through Bio-composts (Book), published by ICAR- Indian Agriculture Research Institute, New Delhi, pp. 11-17, ISBN No-978-93-83168-34-7.
<https://www.kiet.edu/uploads/naac/3.3.3%20DVV%20Session%202017-18.pdf>

2. Research Papers published in Referred/ Peer Reviewed Journals:

- **Factors Determining Labour Absorption in Agriculture in Different Agro-Climatic Regions of Rajasthan**, Economic Affairs, Vol. 68, No. 02, pp. 1001-1008, June 2023, DOI: 10.46852/0424-2513.2.2023.3
- **Organic Agriculture in Peri- Urban area of Delhi: A Case study of Organic Acre, Bankner Village**, Agricultural Situation in India, monthly Journal,2019, Vol.76, pp.16-24, ISSN No 0002- 1679.
https://desagri.gov.in/wp-content/uploads/2022/10/ASI_July-2019.pdf
- **Green Revolution and Food Security in India: A Review**, National Geographical Journal of India, An International Peer Reviewed Journal Science, September 2019, Vol. 65, No-3, pp. 311-322 ISSN No-0027- 9374.
<https://C:/Users/hp/Downloads/GreenRevNGJISEPT2019.pdf>

- **Climate Change and Indian Agriculture in Present Scenario**, The Horizon-A Journal of Social Science, Peer reviewed, Vol-XII, January 2021, pp 43-58, ISSN no - 0975-5535.
- **Assessment of Techno-Economic Aspects of Sewage Treatment Plants in NCT of Delhi**, Anvesak- A biannual journal, vol.51 No.2(XI), July to December,2021, UGC Care group-1, Impact Factor: 6.20, ISSN: 0378-4568.
- **Assessment of Reusing Wastewater for Sustainable Agriculture Irrigation System in Delhi, India**, AIP Conference proceedings 2417,070003(2021); accessible at <http://doi.org/10.1063/5.0072736> published online: 19 October 2021.
- **Background and Effects of NREGA on Potential Benefits, Rural –Urban Migration and Food Security Vis-a-Vis Present Status: Empirical Analysis of Bihar**, International Journal of Agriculture Economics, Science Publishing Group(SPG), USA ; Vol.- 7(3), May 2022; pp 129-139, ISSN: 2575-3851(Print); ISSN: 2575-3843(Online) accessible at <https://www.sciencepg.com/journal/paperinfo?journalid=232&doi=10.11648/j.ijae.20220703.14>
- **Measuring Economic Uncertainty in Syria: An Approach to the Stochastic Volatility Model**, Indian Journal of Economics and Development, Indexed in Scopus and Clarivate Analytics (ESCI) of Web of Science, NAAS Score: 5.15 ; Vol. 18 No.2, June 2022 ,ISSN no. 2277-5412(Print), ISSN 2322-0430 (Online) accessible at <http://soed.in/article/532>
- **Modelling and Forecasting of Maize Production in South Asian Countries**, Economic Affairs, Vol. 67, No. 09, pp. 01-14, September 2022, Print ISSN: 0424-2513 & Online ISSN: 0976-4666. https://www.researchgate.net/publication/364327273_Modelling_and_Forecasting_of_Maize_Production_in_South_Asian_Countries/link
- **A Comparative Study between (ARIMA - ETS) Models to Forecast Wheat Production and its Importance's in Nutritional Security**, Journal of Agriculture, Biology and Applied Statistics Vol. 1, No. 1, 2022, pp. 25-37, June 2022, accessible at [URL : www.arfjournals.com](http://www.arfjournals.com)
- **Modeling and Forecasting of Producer Price Index (PPI) of Cheese Manufacturing Industries**, Journal of Agriculture, Biology and Applied Statistics Vol. 1, No. 1, 2022, pp. 39-49, June 2022. [URL: www.arfjournals.com](http://www.arfjournals.com)
- **Modeling and Forecasting of Pulses Production in Madhya Pradesh**, Agricultural Situation in India, monthly Journal,2012, Vol.79, pp.13-26, ISSN No 0002- 1679. https://desagri.gov.in/wp-content/uploads/2022/10/ASI_Aug-2022.pdf
- **Source of Growth for Wheat in Uttar Pradesh: Decomposition Analysis**, May,2022 DOI: <https://doi.org/10.35716/IJED/22172>
- **Modelling and forecasting of electricity consumption used in agriculture purpose in India**, Journal of Crop and Weed, 18(3): 200-205 (2022) ISSN- O: 2349 9400; P: 0974 6315, pp.201-205. DOI: <https://doi.org/10.22271/09746315.2022.v18.i3.1636>
- **Addressing Problems of Marginalised and Poor in Jharkhand: Desired Strengthening of Water Panchayats**: An International Peer Reviewed Research Journal: ISSN No. - 2319–5908, Economics: Shodh Sandarsh-XI, Vol.-XXXVI, March. 2023, pp: 122-132, Published in July,2023.
- **Modeling and Analysing the Dynamic Impact of Financial Development on Economic Growth in Syria**, published in Economic Affairs · December 2022.

[DOI: 10.46852/0424-2513.5.2022.24](https://doi.org/10.46852/0424-2513.5.2022.24)

- **Modeling and Forecasting of Lentil Production in India and its Instability**, April 2023, Journal of Animal and Plant Sciences 33(4):2023.
[DOI:10.36899/JAPS.2023.4.0675](https://doi.org/10.36899/JAPS.2023.4.0675)
- **Effect of Seed Bio-priming with Cold Tolerant Pseudomonas fluorescens and Soil Application of Cow Urine on Germination, growth and Nutrient Uptake in Pea**, Journal of Agriculture, Biology and Applied Statistics, Vol. 2, No. 1, 2023, pp. 1-9© ARF India.
[https://DOI:10.47509/JABAS.2023.v02i01.01](https://doi.org/10.47509/JABAS.2023.v02i01.01)

3. Research Papers in Conference:

- Presented a research paper in **1st World Congress on Optimization and Automation Techniques in Engineering and Management**, titled, **Assessment of Re-using wastewater for Sustainable Agriculture Irrigation System in Delhi, India**, in WCOATEM-20 held on 19-21 October, 2020 Organized by G H RAISONI University, Amravati, Maharashtra, India.
- Participated in INTERNATIONAL WEB-CONFERENCE COVID-19 PANDEMIC FROM THE EYES OF GEOGRAPHY: **GLOBAL, NATIONAL AND REGIONAL PERSPECTIVES** September 11-12, 2020 Organized by Department of Geography, Gauhati University, Assam, India in Association with Commonwealth Geographical Bureau.
- Participated in International conference on **“Water Resources, Climate Change and Sustainability”** sponsored by Indian Council of Social Science Research and organized by Institute of Public Enterprise, Osmania University, Hyderabad, India during September 27-28,2019 and presented a paper titled **“Efficiency Assessment of Sewage Treatment Plants for Treating Wastewater: A Case Study of Narela Sewage Treatment Plant”**.
- Panelist at **Water Management** Session in **3rd India Agricultural Outlook Forum, 2019** during **September 26-27, 2019 in New Delhi**.
- **Community Perspectives on the Sustainable Management of Wastewater: A Case Study of Delhi** published in proceedings, **Emerging Research Trends in Social Sciences**, International Conference on **Emerging Paradigms in Social Science Research** at Bhagat Phool Singh Mahila Vishwavidyalaya, Sonapat, Haryana; 25-26 March,2019, pp.66-73, ISBN No.978-93-89000-19-1.
- Presented an oral paper on **Gandhi’s Agrarian heritage: Practicing organic farming at Banker village of Delhi for environment sustainability** on 6 March 2019 at Gandhi Bhawan, University of Delhi.
- The 12th International Geographical Union (IGU) India, Conference on **Climate Change, Natural Disasters and Sustainable Development** at Govt. Postgraduate College, Sector-1, Panchkula,

Haryana, 22-24 February, 2019, Certificate Ref. ID.244/I//IGU/2019 and presented a paper on **Urban Wastewater Reuse in Delhi: The Future Prospects.**

- **Evaluation of Sewage Treatment and Management in Delhi: A Case Study of Rithala Sewage Treatment Plant** published in proceedings, **Water Crisis and Food Security**, International Conference on “**Global Water Crisis – Agriculture & food security in the era of climate change**” at Aligarh Muslim University, Aligarh, U.P; 1-3 December, 2018, PP.149-167, ISBN No.978-81-928754-5-3.
- **Rapporteur** during the session **Public Policy for Food Security, Water Access and Sustainable Development** on 2 December, 2018 in International Conference on Global Water Crisis: Agriculture and Food Security in the era of climate change held in Department of Geography, Aligarh Muslim University during 1-3 December, 2018.
- **Assessment of Water Quality Status of River Yamuna, Delhi: Impact of Municipal and Industrial Wastewater** published in proceedings, “**Industrial Pollution, Water and Wastewater Treatment**” International Conference on Sustainable Solutions at Aligarh Muslim University, Aligarh, U.P; 10-11 November, 2018, pp.145-150, ISBN NO-978-93-88237-19-2.
- **Renewable Energy Scenario in India - Scope and Challenges** published in proceedings, “**Recent Advances in Chemical & Sciences towards Green & Sustainable Environment: Swachh Bharat Abhiyan Perspective**” at Aditi Mahavidyalaya, University of Delhi, May 2018, pp. 29-34. ISBN No: 978-93- 5311-552-4.

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- UGC Funded National Conference on “**Climate Change and Disaster Risk Reduction in Urban System**” at Aditi Mahavidyalaya, University of Delhi on 26th March 2018 and delivered an oral presentation entitled **Flood Disaster Risk Management: A Case Study of Gorakhpur, U.P.**
- UGC Funded National Conference on “**Climate Change and Disaster Risk Reduction in Urban System**” at Aditi Mahavidyalaya, University of Delhi on 26th March 2018 and participated as Panelist entitled- **Disaster Management in Urban Areas.**

- International Conference on **Livable Cities: Transforming Sustainability and its Challenges**, Shaheed Bhagat Singh College, University of Delhi on 5-7 February 2018 and presented a paper entitled **Issues and Imperatives of a Smart City in India**.
- **India's Urbanisation: A Growing Concern for Sustainable Urban Development** published in proceedings, **Sustainable Development Goals in Asia**, The 14th International Asian Urbanisation Conference in Bangkok, Thailand, 11-13 January, 2018, pp.11, ISBN No-978-616-338-103-3.
- UGC-SAP-DRS III National Seminar on **Environment and Resource & Urban and Regional Planning**, Department of Geography, Delhi School of Economics, University of Delhi, 23-24 December, 2017, and presented a paper entitled **Climate Change in Contours of Indian Agriculture**.
- International Conference on **Aligning Education System to the Challenges of the future**, Department of Education, SPM College, University of Delhi, 8-10 November, 2017, and presented a paper entitled **Contours of Education in Digital India: Opportunities and Challenges**.
- UGC funded National Seminar on **"Recent Advances in Chemical & Sciences towards Green & Sustainable Environment: Swachh Bharat Abhiyan Perspective"**, at Aditi Mahavidyalaya, University of Delhi, 10-11 October 2017, and presented a paper entitled **Renewable Energy Scenario in India: Scope and Challenges**.
- UGC funded National Seminar on **"Recent Advances in Chemical & Sciences towards Green & Sustainable Environment: Swachh Bharat Abhiyan Perspective"**, at Aditi Mahavidyalaya, University of Delhi, 10-11 October 2017, and presented a poster entitled **Sources of Green Energy**.
- National Seminar on **Adaptation and Implementation of Paris Agreement: National Initiative towards Climate Change Mission**, Shaheed Bhagat Singh (E) College, University of Delhi, 21-22 April, 2017 and presented a paper entitled **Paris Agreement: India's Approach to Climate Change and Way Forward**.
- State level seminar on **Askot Arakot Abhiyan: A historical geography of Himalayan Communities**, Kamla Nehru College, University of Delhi, 3rd March, 2017.
- National Seminar on **Application of new techniques in modern Geography**, SBPG College, Varanasi, U.P., 11-12 February, 2017, and presented a paper entitled **New Geographies with New Technologies**.

- National Conference on **Energy, Environment & its Impact on Society**, K.N. Govt. PG College, Bhadohi, U.P., 19-20 January, 2017, and presented a paper entitled **Climate Smart Agriculture-Time to Embrace Best Practices**.
- 5TH National Conference on **Shifting Paradigms of Rural Development**, Govt. P.G. College, Pilibhit, M.J.P. Rohilkhand University, Bariley, U.P., 18-19 December, 2016, and presented a paper entitled **India Shining: Emerging Trends in Rural Development**.
- 4TH National Conference on **Future Higher Education Policy of India: Visions & Dimensions**, Govt. P.G. College, Pilibhit, M.J.P. Rohilkhand University, Bariley, U.P., 27-18 March, 2016, and presented a paper entitled **Gender Disparities in Access to Higher Education in India**.
- National Seminar on **Geospatial Technologies, Smart Cities and Sustainable Development**, Dr. B.R. Ambedkar College, University of Delhi, 11TH March, 2016.
- National Seminar on **Information Technology, Role & Possibilities of Rural Development and Employment**, SMPG College, Varanasi, U.P., 8-9 August, 2015, and presented a paper entitled **Approaches and Concepts of Rural Development**.
- National Seminar on **Population, Environment and Health in India**, Department of Geography, SBPG College, Varanasi, U.P., 28-29 March, 2015, and presented a paper entitled **Population Growth and Rural Livelihood Security in India**.
- National Seminar on **Right to Education** sponsored by UGC, Department of Education, Kuteer PG College, Jaunpur, U.P., 27-28 February, 2012.

Research Projects (Major Grants/Research Collaboration)

- Guided Project on **Rooftop rainwater harvesting (Campus Impact Challenge)**, sponsored by TERI University, New Delhi, 2016.
- Worked for **Solar Power Project**, sponsored by Solar Energy Corporation of India, under Ministry of New and Renewable Energy, Govt. of India, 2018.
- Awarded by Indraprastha Educational Research & Charitable Trust, for excellent work and outstanding performance in teaching field on 10th November, 2019 at Indralok Auditorium, Narian Circle, Jaipur, India.

- Principal Investigator in an Undergraduate Research Project [UGRP] entitled :**A Feasibility Analysis of Centralised Vs Decentralized Wastewater Treatment Plants in Delhi**; funded by Aditi Mahavidyalaya University of Delhi.

Association With Professional Bodies

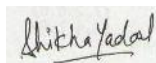
- Life Member, National Association of Geographers, India, Delhi.
- Life member, National Geography Journal of India, Banaras, Uttar Pradesh
- Life Member, Association for Geographical Studies, University of Delhi, India.
- Life Member, International Association of Engineers (IAENG), Hong Kong.
- Member of Tata Ratan Library, University of Delhi, India.

Other Activities

- **7 Day's Faculty Development Program on Research Methodology, Bibliometric Analysis and Data Analysis Using R** Organised by Society of Education, India; University of Agricultural Sciences, Raichur, Karnataka; European Laser Academy, Germany; Genome Biotech, Mathura.
- **National faculty development Programme** organised by Mahatma Hansraj Faculty Development Centre (A Centre of MoE, Govt. of India under PMMMMNMTT Scheme) Hansraj College, University of Delhi, on the topic **Implementation of National Education Policy 2020 using Innovative Teaching Methods**, 30 May to 4 June,2022.
- **BRICS STI FRAMEWORK PROGRAM – Training on Validation and Application of Remote Sensing Products in Ecology and Environment in BRICS countries**, Online May 24th -26th,2022, Organised by Chinese Academy of Sciences (AIRCAS); Land Satellite Remote Sensing Application Centre, MNR (LASAC); DSE, University of Delhi and Geophysical Centre of the Russian Academy of Sciences.
- **“Online Training on Manmade Disasters and Women as Responders since Independence”** from 23-25 February 2022, organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with Aditi Mahavidyalaya, University of Delhi.
- Faculty Development Programme cum Training Workshop on **Geospatial Technology, Inclusive and Accessible Disaster Risk Reduction** jointly organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India and SPM College for Women during 4 to 6 March 2021.
- Online Training Course on **Basics of Decentralised Wastewater Treatment and Local Reuse** organised by School of Water and Waste, Centre of Science and Environment, from 01 to 26 June,2020
- Model Training Course on **“Redesigning Water Conservation and Management Measures in Building Resilience in Farm Productivity”** sponsored by Directorate of Extension, Ministry of Agriculture & farmers welfare, Govt. of India, organized by Water Technology Centre, ICAR-Indian Agriculture Research Institute, New Delhi during October 8-15,2018.

- **National faculty development Programme** organised by the Centre for Ethics and Values, Ramanujam College, University of Delhi, 15-21 December, 2017, secured A Grade in participation level Assessment.

- **Lectures Delivered on these topics:**
 - **Rural-Urban Migration**, R H Singh P.G. College, Jaunpur, U.P., 14th March, 2017.
 - **Water Scarcity and Population Growth**, SBPG College, Jaunpur, U.P., 16th January, 2016.
 - **Organic farming**, M R Das P.G. College, Ghazipur, U.P., 12th October, 2016.
 - **Smart Agriculture**, Malikpura P.G. College, Ghazipur, U.P., 17th October, 2015.



Signature of Faculty Member