


## Faculty Details Proforma for DU Web-site



Title	Dr.	First Name	<b>Shikha</b>	Last Name	<b>Yadav</b>	Photograph
Designation		<b>Assistant Professor</b>				
Address		<b>Department of Geography, Aditi Mahavidyalaya, University of Delhi, Bawana, Delhi-110039, India</b>				
Phone No Office		<b>011-27752741</b>				
Residence		-----				
Mobile		<b>9911689132</b>				
Email		<b>shikhayadav356@gmail.com</b>				
Web-Page		.....				
<b>Educational Qualifications</b>						
Degree		Institution			Year	
Ph.D.		<b>Department of Geography, Delhi School of Economics, University of Delhi</b>			<b>Awarded in June 2022</b>	
M.Phil.		<b>N.A.</b>				
M.Sc.(Geography)		<b>Department of Geography, Kurukshetra University, Haryana, India</b>			<b>2012</b>	
Graduation Geography(H)		<b>Dr. B.R. Ambedkar College, University of Delhi, Delhi</b>			<b>2006</b>	
Any Other Qualification		<b>University Grants Commission –National Eligibility Test</b>			<b>2013</b>	
P. G. Diploma in Remote Sensing & G.I.S.		<b>I.G.N.O.U., New Delhi</b>			<b>2017</b>	
<b>Career Profile</b>						
<b>Organisation/Institution</b>		<b>Designation</b>			<b>Duration</b>	
<b>Aditi Mahavidyalaya, University of Delhi</b>		<b>Assistant Professor</b>			<b>20/07/2015 -Till date</b>	
<b>S G P G College, DDU Gorakhpur University, Gorakhpur, U.P.</b>		<b>Lecturer</b>			<b>01/07/2012 – 30/06/2015</b>	
<b>Administrative Assignments</b>						

<p>Organising Committee Member of a Webinar “ Role of MSME in Creative Economy for Sustainable Development since Independence” on 3<sup>rd</sup> September 2021.</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 &amp; Sciences towards Green &amp; 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
Resource Geography, Sustainable Development, Contemporary Environmental Issues, Remote Sensing & G. I. S.
Subjects Taught
Environmental Geography, Resource Geography, Economic Geography, Statistical Methods in Geography, Remote Sensing & GIS, Field Techniques & Survey.
Research Guidance
Supervised various practical files on subjects like Remote Sensing, Geographic Information System and Field Techniques & Survey.
Publications Profile
<p><b>1. Books/ Authored and Chapters in Book</b></p> <ul style="list-style-type: none"> <li>• <b>Development of Education Sector in U.P. Trends and Patterns</b>, Rawat Prakashan, Delhi, 2018. (ISBN No-978-93-86687-62-3)</li> <li>• <b>Population and Reproductive Health Scenario in U.P. Issues and Challenges</b>, Rawat Prakashan, Delhi, in 2018. (ISBN No-978-93-86687-61-6).</li> </ul>

- **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.
- **“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>

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

- **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.
- **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.
- **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.
- **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.
- **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.
- **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>

### 3. Research Papers in Conference:

- Presented a research paper in **1<sup>st</sup> 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 12<sup>th</sup> 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.

- UGC Funded National Conference on “**Climate Change and Disaster Risk Reduction in Urban System**” at Aditi Mahavidyalaya, University of Delhi on 26<sup>th</sup> 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 26<sup>th</sup> 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 14<sup>th</sup> 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, 3<sup>rd</sup> 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**.
- 5<sup>TH</sup> 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**.
- 4<sup>TH</sup> 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, 11<sup>TH</sup> 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 10<sup>th</sup> 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

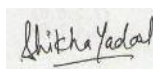
- Life Member, National Association of Geographers, India, Delhi.
- Life member, National Geography Journal of India, Banaras, Uttar Pradesh
- Life Member, Association for Geographical Studies, University of Delhi, India.
- Life Member, International Association of Engineers (IAENG), Hong Kong.
- Member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

#### Other Activities

- **National faculty development Programme** organised by Mahatma Hansraj Faculty Development Centre (A Centre of MoE, Govt. of India under PMMMNMTT 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 24<sup>th</sup> -26<sup>th</sup>, 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., 14<sup>th</sup> March,2017.
  - **Water Scarcity and Population Growth**, SBPG College, Jaunpur, U.P., 16<sup>th</sup>January, 2016.
  - **Organic farming**, M R Das P.G. College, Ghazipur, U.P., 12<sup>th</sup>October, 2016.
  - **Smart Agriculture**, Malikpura P.G. College, Ghazipur, U.P., 17<sup>th</sup>October, 2015.



Signature of Faculty Member