


Faculty Profile
Department of Geoinformatics

Name:	Dr. Kanhaiya Lal	
Designation:	Assistant Professor	
Educational Qualification:	<ol style="list-style-type: none"> 1. Ph.D. from the Centre for the Study of Regional Development, Jawaharlal Nehru University, New Delhi, India 2. M.Phil. from the Centre for the Study of Regional Development, Jawaharlal Nehru University, New Delhi, India 3. Post Graduation from the Centre for the Study of Regional Development, Jawaharlal Nehru University, New Delhi, India 	
Awards and Recognition:	<ol style="list-style-type: none"> 1. Senior Research Fellowship(2004) by Council for Scientific and Industrial Research, India 2. Junior Research Fellowship(December, 2002) by Council for Scientific and Industrial Research, India 3. National Eligibility Test(June, 2002) by Council for Scientific and Industrial Research, India 	
Area of Interest:	<ol style="list-style-type: none"> 1. Regional Climate Change 2. Forestry and Agriculture 3. Land Degradation 	
Courses Taught:	<ol style="list-style-type: none"> 1. Research Methodology and Geostatistics 2. Application of Geoinformatics in Natural Resource Management 3. Application of Geoinformatics in Soil, Agriculture and Land Evaluation 4. Geoinformatics in Ecology and Forestry 5. Fundamentals of Geospatial Technology and its Applications 6. Cartography and Global Positioning System 7. Remote Sensing and Photogrammetry 	
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Brief Introduction:	<p>Dr. Kanhaiya Lal is an Assistant Professor at this Department since 2012. Before joining this University he worked in same capacity at Kurukshetra University, Kurukshetra, Haryana for almost three years. The faculty is well versed in regional climate change study and its impacts on soil, agriculture and forestry. He has working experience on various multispectral and microwave satellite imageries. Further, he has good exposure to some advance analytical instruments like</p>	

	WDXRF, Leaf Chlorophyll Analyser, Soil Moisture Meter, Digital pH Meter, Digital Electrical Conductivity Meter, etc.
Administrative Responsibilities:	<ol style="list-style-type: none"> 1. Worked as Head/Coordinator (I/c) of the Department as and when required. 2. Worked as University/Departmental Admission Committee Member as and when required 3. Worked as Course-in-Charge for M.Sc. Geoinformatics 4. Worked as Mentor for group of students 5. Doctoral Research Committee (DRC)/ Research Advisory Committee(RAC), CUJ 6. University Sports-in-Charge(Basketball)
Article Published:	<ol style="list-style-type: none"> 1. Kanhaiya Lal , Dharmendra Kumar , Amit Kumar(2017). Spatio-temporal landscape modeling of urban growth patterns in Dhanbad Urban Agglomeration, India using geoinformatics techniques. The Egyptian Journal of Remote Sensing and Space Sciences. 20(1), 91-102. [https://doi.org/10.1016/j.ejrs.2017.01.003] [Cite Score: 8.1] [IF 3.7] 2. Abhinav Verma , Amit Kumar and Kanhaiya Lal(2019). Kharif crop characterization using combination of SAR and MSI Optical Sentinel Satellite datasets. J. Earth Syst. Sci.. Indian Academy of Sciences. 128 230. [https://doi.org/10.1007/s12040-019-1260-0] [ISSN 0253-4126] [eISSN 0973-774X] [IF 1.3]. 3. Gautam Kumar Saw, Sagnik Dey, Hemant Kaushal and Kanhaiya Lal (2021). Tracking NO2 emission from thermal power plants in North India using TROPOMI data. Atmospheric Environment, 259, 118514 [https://doi.org/10.1016/j.atmosenv.2021.118514] [Cite Score 8][IF 4.7].
Book Chapters:	<ol style="list-style-type: none"> 1. Dipti Ladli, Kanhaiya Lal, Kiran Jalem and Avinash Kumar Ranjan (2020). Synergy of Satellite Derived Drought Indices for Agricultural Drought Quantification and Yield Prediction in Spatial Information Science for Natural Resource Management (Ed.) [DOI: 10.4018/978-1-7998-5027-4.ch007] 2. Kanhaiya Lal (2010) Classification of Industries-Manufacturing and Basis of Location and Development of Iron and Steel Industry, Cotton Textile Industry, Chemical Industry, Aluminum Industry and Oil Refining Industry, Kurukhstra University Press, Kurukshetra, Haryana. 3. Kanhaiya Lal (2010) Measure of Dispersion: Range, Quartile Deviation, Mean Deviation, Standard Deviation,

	<p>Lorenz Curve- their merits and limitations and specific uses, Kurukhstra University Press, Kurukshetra, Haryana.</p> <p>4.Kanhaiya Lal (2010) Variability Indices: Relative Variability, Coefficient of Variability, Their use in Geographic Data Analysis, Kurukhstra University Press, Kurukshetra, Haryana.</p> <p>5. Kanhaiya Lal (2011) Green Revolution its impacts and consequences and White Revolution in India, Kurukhstra University Press, Kurukshetra, Haryana.</p> <p>6. Kanhaiya Lal(2011) Weather Disturbances Part-I, Kurukhstra University Press, Kurukshetra, Haryana.</p> <p>7. Kanhaiya Lal(2011) Classification of World Climate Part-II, Kanhaiya Lal(2011) Weather Disturbances Part-I, Kurukhstra University Press, Kurukshetra, Haryana.</p>
Seminar/Workshop/Conferences:	<p>1.Advanced Geomatics Engineering, Faculty Development Programme, NPTEL-AICTE, 2023.</p> <p>2.Workshop on Remote Sensing of Cryosphere, Indian Institute of Technology, Bombay, 2023.</p> <p>3. Public Participation for Disaster Risk Management in Indian Terrain in collaboration with Central University Jharkhand, Ranchi, National Institute of Disaster Management, New Delhi, 2022.</p> <p>4.Geomorphology, Faculty Development Programme, NPTEL-AICTE, 2022.</p> <p>5. Microwave Remote Sensing in Hydrology, Faculty Development Programme, NPTEL-AICTE, 2022</p> <p>6. Training of Trainers Programme on Engaging Youth and Adolescents in Disaster Risk Management and Climate Change Adaptation, CUJ, By National Institute of Disaster Management, New Delhi , 2023.</p> <p>7. Conservation Geography, Faculty Development Programme, NPTEL-AICTE, 2021.</p> <p>8.Earth Observation for Carbon Cycle Studies, India Institute of Remote Sensing, Dehradun, 2021.</p> <p>9.Online Training and Certification Course on AI&ML, Defense Institute of Advance Technology, 2021.</p> <p>10. Climate Change: a Guide for Teachers of All Discipline, ARPIT, IISER & AICTE, 2020.</p> <p>11. Data Analysis For Social Science Teachers, ARPIT, University of Hyderabad & AICTE, 2020.</p>
Research Supervision:	<p>Dissertation:</p> <p>M.Sc. (Six Months): 25</p> <p>B.Tech. (Six Months):25</p> <p>M.Tech (One Year):25</p> <p>Thesis:</p> <p>Ph.D.: 03(Ongoing)</p>

<p>Program Organised:</p>	<ol style="list-style-type: none"> 1. Application of Geoinformatics and Electrical Resistivity Technique in Groundwater Investigation, Training Program organized at CUJ, Organising Committee Member, 2023. 2. International Conference of Geospatial Pathways and Big Data Analytics in Natural Resource Application and Climate Change, CUJ, Organising Committee Member, 2022. 3. National Seminar on Anthropogenic Impact on the Environment, Society and Human Health, CUJ, Organising Committee Member, 2021. 4. National Technology Day Seminar , CUJ, Organising Committee Member, 2023. 5. National Webinar on National Education Policy NEP 2020: A paradigm shift in education and future challenges, CUJ, Organising Committee Member, 2021. 6. Summer Training Program on Spatial Data Programming with R, GEE and Python for Natural Resource Application, CUJ, Organising Committee Member, 2022. 7. National Webinar on Recent Trends in Geospatial Technology in Earth Resource Mapping: Issues and Challenges, CUJ, Organising Committee Member, 2021.
<p>Professional Activities:</p>	<ol style="list-style-type: none"> 1. Reviewed research article for Journal of Solar Energy Research [ISSN 2588-3097] 2. Co-Chair in Technical Session-I in International Conference of Geospatial Pathways and Big Data Analytics in Natural Resource Application and Climate Change, CUJ, 2022. 3. Rapporteur in Technical Session-III in International Conference of Geospatial Pathways and Big Data Analytics in Natural Resource Application and Climate Change, CUJ, 2022. 4. Reviewed research article for GeoJournal (GEJO) [eISSN: 1572-9893 pISSN: 0343-2521] 5. Reviewed research article for Journal of the Indian Society of Remote Sensing
<p>Updated:</p>	<p>08-02-2025</p>