

DR. DEEPAK KUMAR

Research Scientist

Atmospheric Sciences

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Brief Profile

Dr Deepak Kumar is working as a Research Scientist in the Atmospheric Sciences Group at Texas Tech University in Lubbock, Texas, USA. Before this, he served as a Research Scientist in the Atmospheric Sciences Research Center (ASRC) at the State University of New York at Albany, New York, USA on NOAA funded project. He has been working in the interdisciplinary research domain of the Urban-Climate-Energy nexus for policy making with humanities, social science, and technology perspectives. He is an academic researcher with a multidisciplinary background in Geospatial Sciences, Computational Sciences, Climate Change, and Sustainability. He has served at Amity University, Delhi-NCR (India) as a full-time Assistant Professor for more than six years and has wide experience in the research development-cum-implementation pipeline comprising idea conceptualization, research design, data collection, processing, analysis, with result creation in the intersection areas of remote sensing and geoinformatics, environment, energy, climate change, urban weather and climate modelling, analysis, and visualization. He has implemented two government-sponsored research projects as the sole principal investigator and filed 07 patents with 01 copyright as inventor/co-inventor. He has mentored, advised, and supervised a cross-functional research group of 04 PhD, and 29 Postgraduate students, and conducted fifteen academic, research, and industrial field visits to students. As a young researcher, he enjoys developing skills, knowledge, and involvement through conference appearances, outreach activities, training services and contributions to the professional membership of scholarly associations. He is prepared through good written and communication skills with extensive experience in presenting research at international, national, regional, and local conferences, successful grant writing, and has published 60+ research articles in high-impact Web of Science and Scopus-indexed international journals. He has participated in review activities for more than 230+ research articles, project proposals, and grants as an invited/ ad-hoc/ adjunct reviewer or as an editorial board member or Associate/Assistant Editor. He has Authored/ Edited/ Co-Edited around 06 books with publishers like Elsevier, Springer, Taylor & Francis, Emerald, SAGE, and Wiley. Dr. Kumar is dedicated to finding solutions for complex problems in the areas of climate change, urban planning, energy, the environment, and sustainability (SDGs 7, 10, 11, and 13).

PUBLICATIONS

Total of over 60 peer-reviewed publications in journals, 20 book chapters, and 06 Books.

Curriculum Vitae

ORCID Record Page

AREAS OF EXPERTISE/ RESEARCH INTERESTS

- Wildfire- Wildland-Urban Interface (W²UI), Fire Weather Sciences, Technologies, and Risk Management
- Urban Climate-Weather-Energy Integration, Microclimatology and Analytics
- Remote Sensing Observations, Applications and Analysis
- Remote Sensing and Geoinformatics for Energy, Environment, and Climate Change
- Spatio-Temporal Data Management, Analytics and Visualization