Curriculum Vitae

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1. PERSONAL RECORD

i.	Name	:	Dr. Rajeev Ranjan
ii.	Designation	:	Assistant Professor
iii.	Date of Birth	:	05.01.1985
iv.	Department	:	Agrometeorology, College of Agriculture, GBPUA&T, Pantnagar

> **Google Scholar Citation: 192, h-index: 7, i-10-index: 5**

2. ACADEMIC RECORD

Degree/Certificate	Board/University	Subject	Division	Marks (%)	Year
M.Sc.	GBPUA&T, Pantnagar	Agrometeorology	1st	77.75	2010
Ph.D.	GBPUA&T, Pantnagar	Agrometeorology	1st	75.88	2014
NET	ASRB, New Delhi	Agronomy and Agrometeorology	NA	NA	2010

3. EMPLOYMENT RECORD

Designation	Institute	Period	
		From	To
Assistant Professor	GBPUA&T, Pantnagar	23.11.2015	Till date

4. Field of Specialization

Crop models, Remote sensing, GIS, Artificial intelligence and machine learning, Evapotranspiration, Climate change, Suitability analysis, Plant disease detection using AI & ML techniques.

5. PARTICIPATION IN REFRESHER COURSES/TRAINING

Sr. No.	Organisation	Period	Details of Training/Workshop
1.	ICAR-NAARM, Hyderabad	1-31, October, 2023	Digital Teaching Techniques
2.	ICAR-CIWA, Bhubaneswar, Odisha	11-31, January, 2025	Engendering Agriculture with Technological Innovations and Policies for Women Empowerment
3.	Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun	19 May - 9 June, 2020	Remote Sensing in Crop Monitoring and Assessment
4.	GB Pant University of Agricultural & Technology, Pantnagar	12 October, 2019	Introduction to e-Content Development organized by E-Content Development component under IDP of National Agricultural Higher Education Project

Sl. No.	Institution	Date	Title
5.	ICAR-NIASM, Baramati	7-27 September, 2018	Climate change and abiotic stress management strategies for doubling farmers income
6.	Water Technology Centre, IARI, New Delhi	25-27 July, 2018	Application of Spatial Data Infrastructure for Irrigation Management
7.	GB Pant University of Agricultural & Technology, Pantnagar	18 to 24 July, 2016	National Capacity Building Programme for University Teachers on Facilitative Skills for Effective Teaching
8.	IIRS, Dehradun	June 28 - July 15, 2016	Geoweb Services and Geoportal Applications
9.	GB Pant University of Agricultural & Technology, Pantnagar	21-27 December, 2017	Induction Training Programme for Newly Recruited Assistant Professors
10.	IIRS, Dehradun & GBPUA&T, Pantnagar	August 5 - November 4, 2013	Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System
11.	GBPUA&T, Pantnagar	21st August to 25th August, 2012	Green Technologies for combating Climate Change and Sustainable Development

6. STUDENTS GUIDED AT MASTER'S/PhD LEVEL

Sl. No.	Name	ID. NO.	Thesis Title	Year of completion
Masters Students				
1.	Ms. Ankita Negi	52537	Crop management using CROPGRO simulation model in *Tarai* region of Uttarakhand	2019
2.	Mr. Indra Singh Dhami	46018	Optimization of agri-resources for wheat (*Triticum aestivum* L.) crop under *Tarai* environment using CERES-Wheat model	2020
3.	Ms. Smriti Rana	46093	Performance of CROPGRO model for simulating yield of Mungbean (*Vigna radiata*) under Tarai region of Uttarakhand	2021
4.	Mr. Arjun Shreepad Hegde	56919	Crop classification and cropping intensity estimation using geospatial technology in *Tarai* region of Uttarakhand	2022
5.	Mr. Susheel Kumar	56642	Use of crop simulation model and machine learning techniques to predict rice yield in Udham Singh Nagar district of Uttarakhand	2022
6.	Mr. Shekhar Acharya	58166	Auto-detection and Prediction of Brown Spot Disease in Rice using Machine Learning Techniques	2023
7.	Ms. Soumya Pokhariya	51678	Use of Crop Simulation Model and Machine Learning Techniques to Estimate Evapotranspiration in Chickpea	2023
8.	Ms. Neha Chand	57806	Studies on Crop Growing Ecosystem in Mid Himalayan Region of Uttarakhand	2023
PhD Student				
1.	Mr. Amit Bijlwan	50942	Diagnosis and Classification of Leaf Diseases and Insect Pests in Rice and Wheat using Deep Learning and Machine Learning	2025

7. TEACHING EXPERIENCE
i. Courses Taught
a. Under Graduate Level:

Sl. No.	Title of Course	Credit Hours
1.	Principles of Agrometeorology (AAM 303)	2(1-0-1)
2.	Soil Survey, Remote Sensing and Wasteland Development (APS 345)	3(2-0-1)
3.	Meteorology and Geography (AEN 101)	2(1-0-1)
4.	Introductory Agrometeorology and Remote Sensing (AAM 305)	3(2-0-2)
5.	Agri-Informatics (AAM/BPM 205)	2(1-0-2)
6.	Geoinformatics, Nano-technology and Precision Farming (AAM/APA 310)	2(1-0-2)
7.	System simulation and Agro-advisory (AAM 410)	3(2-0-2)
8.	Introductory Agro-meteorology & Climate Change (AAM 306)	2(1-1-2)

b. Post Graduate Level:

Sl. No.	Title of Course	Credit Hours
1.	Principles of Remote Sensing & its application in agriculture (AGM 508)	3(2-0-1)
2.	Evapotranspiration (AAM 632)	2(1-0-1)
3.	Crop Weather Models (AAM 630)	3 (2-0-1)
4.	Principles of Remote Sensing (AAM 500)	3(2-0-1)
5.	Computer Applications in Agrometeorology (AAM 655)	3(2-0-1)

8. Information on research projects

i. Projects handled other than coordinated Projects (As Co-PI)

S. No.	Name of project(s)	Name of Project Leader	Duration of the Project	Total Outlay	Funding Agency
1.	Production estimation of wheat using remote sensing and modelling in Haryana	Dr. Ankita Jha, Scientist, ICAR- IIWBR, Karnal	Five years (2015-2020)	-	In-house project of ICAR, IIWBR

ii. Projects in hand

S. No.	Name of project(s)	Name of PI/ Co-PI	Duration of the Project	Funding Agency
1.	Development of Customized Agro Advisory Services for Farmers in Uttarakhand	**PI-** Dr. Rajeev Ranjan, Assistant Prof., Agromet	2024-2026	Directorate of Research, GBPUA&T, Pantnagar (Hill Research Promotion Fund)
2.	Sugarcane Acreage Estimation and Resources Inventory using Artificial Intelligence and Machine Learning (SARAL)	**PI-** Dr. A. S. Nain, Prof. & Director Research **Co-PI-** Dr. Rajeev Ranjan, Assistant Prof., Agromete	2024-2025	STPI, Ministry of Electronics and Information Technology (MEITY)
3.	Developing a Novel System for Monitoring and Management of Crop Diseases using AI (Artificial Intelligence) / ML (Machine Learning) Techniques (MoM-CAT)	**PI-** Dr. A. S. Nain, Prof. & Director Research **Co-PI-** Dr. Rajeev Ranjan, Assistant Prof., Agrometeorology	Three years (2022-2025)	IIRS, ISRO, Dehradun
4.	Drone Research and Development	**PI-** Dr. A. S. Nain, Prof. & Director Research **Co-PI-** Dr. Rajeev Ranjan, Assistant Prof., Agrometeorology	Five years (2022-2027)	Bio-efficacy project

iii.   **Publications: (https://scholar.google.com/citations?hl=en&user=hxKwMv4AAAAJ)**
    a. No. of Research papers published   41
    b. No. of articles published   16
    c. Books/Chapters in books   10
    d. Other publications, if any   07

9. AWARDS/HONOURS
(a) Fellowship
1. ICAR- JRF-2008, Physical Science
2. ICAR-SRF-2011, Agricultural Meteorology
3. INSPIRE JRF-P Fellowship-2011
4. INSPIRE SRF-P Fellowship-2013

(b) Awards
1. **Faculty Excellence Award-2024** by College of Agriculture, G.B. Pant University of Agriculture & Technology, Pantnagar
2. **Faculty Excellence Award-2022** by College of Agriculture, G.B. Pant University of Agriculture & Technology, Pantnagar
3. **Best Poster Presentation Award** during National Agronomy Congress (20-22 February, 2018) at Pantnagar
4. **Consolation Award** on National seminar AgroTech-2018 on 23 April, 2018 at Invertis, Bareilly.
5. Awarded with **Runner-up award** in oral presentation during (AGMET-2017) on "Agrometeorology for Sustainable Development with special emphasis on Agrometeorological Practices for Climate Resilient Farming and Food Security" (12-14 October, 2017)
6. As **Rapporteur** in National Seminar at CCSHAU, Hisar during 12-14 October, 2017.
7. **Best oral presentation** (Runner up) award in Remote Sensing and GIS in Agrometeorology session in the National Symposium on Climate Driven Food Production Systems: Agrometeorological Interventions (AGMET-2016) held at Tamil Nadu Agricultural University, Coimbatore during 20-22, December, 2016.
8. F**irst Runner-up** in oral presentation by Department of Agrometeorology at International Symposium (NASA-2014) on October 16-18, 2014 at GBPUA&T, Pantnagar.
9. Conferred with **Young Scientist Award** by 8th Uttarakhand State Science and Technology Congress-2013, Uttarakhand.
10. **First prize** in poster presentation by Department of Computer Engineering at National Workshop on November 22-23, 2013 at GBPUAT, Pantnagar.
11. Conferred with **Best Paper Award** by Association of Agrometeorologists at National Seminar held on 9-10th December, 2011 at BCKV, Mohanpur, West Bengal.
12. Prof. PSN Sastry **gold medal award for the best M.Sc. thesis** in Agricultural Meteorology, 2010 by the Association of Agrometeorologists, Anand, Gujarat.

10. MEMBERSHIP OF PROFESSIONAL SOCIETIES
1. Life member of Association of Agrometeorologists, Anand (Number: LM-655).
2. Life member of Indian Society of Remote Sensing, Dehradun (Number: L-3917).
3. Life Membership of Society for Agricultural Research on Abiotic Stress (LM-132).
4. Three years membership of Asian Agri-History Foundation, College of Agriculture, GBPUA&T., Pantnagar- 263 145 (Receipt no-204)

(Rajeev Ranjan)
Assistant Professor
Agrometeorology