

AJAY KUMAR

Village & Post- Tendha, District- Faizabad, PIN- 224164 (U.P.)

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Objective : To begin my Agriculture research and Crop-weather modeling at a well-liked and well-reputed Institute/University and to achieve good progress in my career through all my best subject knowledge and great modeling efforts.

Professional Qualifications:

- *Excellent ability to reach to the target student's knowledge grasping level and implement appropriate teaching methods and techniques.*
- *Thorough knowledge of the subject to be taught and its background.*
- *Spoken English and command over comprehension.*
- *Knowledge of utilizing all the modern teaching aids appropriately and effectively.*
- *Proficiency in handling computer aided tools and the crop weather model.*
- *Uncommon ability to create quick interests among the students about the subject.*
- *Knowledge of extension activities in farmer's field with farmers.*
- *Follows high standard of personal and work ethics.*
- *Attended many workshop and meeting during his working periods for agriculture modelling and doing well management in conferences as well as meetings.*
- *Written many project reports and Agricultural thesis of MSc students.*
- *I am an enthusiastic and Designer, who enjoys being part of, as well as leading, a successful and productive team. I am quick to grasp new ideas and concepts, and to develop innovative and creative solutions to problems. I am able to work well on my own initiative and can demonstrate the high levels of motivation required to meet the tightest of deadlines. Even under significant pressure, I possess a strong ability to perform effectively.*

Academic education:

- Completed B.Sc. (Ag.) from V.B.S. Purvanchal University, Jaunpur (2009) with Second Division.
- Completed post graduation in Agril. Meteorology with specialization of Meteorology, from N.D.U.A.&T., Kumarganj, Faizabad (2011) with Second Division.

Computer Skill:

- One year diploma in Computer Application.

Experience :

Chandra Shekar Azad University of Agriculture & Technology, Kanpur

- **Seven year two month** experience as “**Senior Research Fellow in AICRPAM-NICRA Project**” with working knowledge of Agriculture Sector and farmer field.

- Having experience making useful agro-advisory for the farmers which was benefited by adopting the advisory.
- Preparing (Typing and data analysis) “**Gramin Krishi Mausam Seva**” as well as submission of **Agro-advisory** and **SMS** on web portal of www.imdagrimet.gov.in & **mkisan portal**.
- Working knowledge of different crop modeling tools related to crop weather relationship.
- Preparing Annual Progress Report of “**National Innovations on Climate Resilient Agriculture (NICRA)**” as well as Agro-met Advisory Services since 2011-12 to 2017-18, AICRPAM and GKMS Project.
- Attained Annual Review Progress Meeting workshop on AICRPAM-NICRA Project Maharana Pratap University of Agriculture & Technology, **Udaipur (12 Oct.,2012)**, University of Agriculture Science, **Dharwad (Karnataka) (16-17 Sep., 2013)**, Agriculture College & Research Institute, **Madurai (28-30 April, 2015)**.

Other Certificate:

- **2nd National Brassica Conference PAU, Ludhiana (14-16 February, 2014).**
- **International Symposium** on New-Dimensions in Agrometeorology for Sustainable Agriculture **(16-18 Oct., 2014).**
- **International Conference** Sustainability of Smallholder Agriculture in Developing Countries under Changing Climatic Scenario **(14-17 February, 2018)** Kanpur, India.
- National Webcon 2020 on Agriculture production& support system managing Covid-19 pandemic experience sharing & strategies. organized by CSAUA&T, Kanpur held on 6-8 may, 2020
- National Web conference on Management of Resources for Improvement of productivity, Biodiversity and livelihood security organized by UP chapter soil conservation society of India New Delhi & Department of soil conservation and water management. CSAUA&T, Kanpur held on 29-30 July, 2020
- Effect of different sowing environment and varieties on production potential of maize under central plan zone of UP. National web conference on technological approaches for resource conservation and management for environmental sustainability organized online on August, 16-17, 2020.
- National web conference on climate change, Impact assessment and mitigation in Agriculture held during Jan.4-6, 2021 organized by Department of Climate change and Agriculture Meteorology Panjab Agriculture University Ludhiyana.

Research Experience:

“Production, potential studies of chickpea varieties under variable weather condition of eastern U.P.”

Paper/Article:

- **Ajay Kumar**, A. K. Singh, Arvind Kumar, Pawan Maurya* and C. K. Tripathi (2015) Effect of Sowing dates and varieties on growth, yield attributing Characters and yield on Chickpea of

Eastern Uttar Pradesh. *International Journal on Agricultural Sciences* 6 (1): 47-55, January-June 2015.

- **Ajay Kumar**, A. K. Singh, Arvind Kumar, Padmakar Tripathi, A. N. Mishra and S. R. Mishra (2016). Identification of Congenial Climatic Condition for Optimum Yield of Chickpea under Prevailing Weather Condition in Eastern Uttar Pradesh. *International Journal on Environmental Sciences* 7 (1): 22-26, January-June 2016.
- Naushad Khan, **Ajay Kumar**, C.B. Singh, Vijay Dubey and Nitish Kumar (2018) **“Weather Based Agro-Advisory to Enhance the Production and Income of the Farmers under Changing Climate Scenario of Central Plain Zone of Uttar Pradesh”** *International Journal of Current Microbiology and Applied Sciences*. Vol. 7 (11): 221-224, November, 2018.
- Gendan Lal¹, Mayank Kumar², Surendra Singh³, **Ajay Kumar**⁴, S.G. Rajput⁵ and M.P.Yadav⁶ (2018) **“Varietal performance of wheat under different date of sowing in Central Plain Zone of U.P.”** *Green Farming, International Journal of Applied Agricultural & Horticultural Sciences* Vol. 9 (6): 1003-1006, November-December, 2018.
- Gendan Lal, **Ajay Kumar**, Mayank Kumar, Ankit Gupta, S.G. Rajput, Ram Pyare, M.P. Yadav and Nitish Kumar (2018) **“Effect of different sowing date and varieties on growth, yield attributes and yield of wheat in central plain zone of U.P.”** *International Journal of Chemical Studies* Vol. 6 (6): 2322-2325, December, 2018.
- Naushad Khan, **Ajay Kumar**, C.B. Singh, Karam Husain and Vijay Dubey (2019) **“Weather based agro-met advisory for sustaining maize yield in central plain zone of U.P.”** *International Journal of Chemical Studies* Vol. 7 (4): 263-268, June, 2019.
- Khan N., **Kumar A.***, Singh C.B., Lal G., Mishra S. and Singh S. (2020) **“Farmers Feedback about the Agro-Met Advisory Services (AAS) During Lockdown Period (Covid-19) At District Kanpur, Uttar Pradesh”** *International Journal of Agriculture Sciences* Volume 12, Issue 15 August, 2020, pp.-10107-10108.
- Naushad Khan, **Ajay Kumar***, Vijay Dubey, C.B. Singh, Sanjeev Kumar and Shubham Singh (2020) **“Estimated Yield Forecasting of Rice and Wheat for Central Uttar Pradesh using Statistical Modal”.** *International Journal of Current Microbiology and Applied Sciences*. Volume 9 (8): 2490-2495.

- **Ajay Kumar**, Sanjiv Kumar, Naushad Khan, CB Singh and Shubham Singh (2021) **“Weather based agromet advisory bulletin to the farmers under Gramin Krishi Mausam Seva (GKMS) project during lockdown period (Covid-19) at Kanpur region of Uttar Pradesh”** *Journal of Pharmacognosy and Phytochemistry* 2021; Sp 10(1): 623-624.

Published Abstracts

International:

- Arvind Kumar, Padmakar Tripathi, K.K. Singh, S.B. Yadav **Ajay Kumar**, A. K. Singh, S.R. Mishra and P.K. Singh (2014). Potential production constraints of rice in eastern Uttar Pradesh under rice wheat cropping system. In: *International symposium on “Dimensions in Agro-meteorology for sustainable Agriculture”*, October 16-18, 2014 on page no. 277 GBPUA&T, Pant Nager.
- **Ajay Kumar**, A. K. Singh, Padmakar Tripathi, Arvind Kumar, A. N. Mishra and S. R. Mishra (2014). Identification of Congenial Climatic Condition for Optimum Yield of Chickpea under Prevailing Weather Condition in Eastern Uttar Pradesh. In: *International symposium on “New Dimensions in Agro-meteorology for sustainable Agriculture”*, October 16-18, 2014 on page no. 378 GBPUA&T, Pant Nagar.
- A.P. Dubey, **Ajay Kumar**, Vijay Dubey, Digvijay Dubey and Manoj Mishra **“Probable weather based agro-met advisory for sustaining yield of maize in Central Plain Zone of Uttar Pradesh”** Acceptance for poster presentation and invitation to attend the International Conference (AgriCon 2018).
- Naushad Khan, Karam Husain, S. Solomon, C.B. Singh, **Ajay Kumar** and Vijay Dubey (2019). **“Appraisal of climate change at phonological stages of sugarcane in Central Plain Zone of Uttar Pradesh”**. Green Technology for sustainable development of sugar and Integrated Industries. International Conference Sugarcon pp-184-185, 2019.
- Naushad Khan, **Ajay Kumar**, Vijay Dubey, Sanjeev Kumar, C.B. Singh, and Digvijay Dubey (2019) **“Estimated yield forecasting of rice for central Uttar Pradesh using statistical modal”** Acceptance for poster presentation and invitation to attend the National Seminar on Agometeorological Interventions for Enhancing Farmers Income (AGMET-2020) dated on 20-22 January, 2020.
- Amrendra Yadav, A.K. Singh, S.B. Yadav and **Ajay Kumar** (2019) **“Studies on crop weather interaction in the Indian mustard (Brassica Juncea L.) crop in eastern plain zone”**

Acceptance for poster presentation and invitation to attend the National Seminar on Agrometeorological Interventions for Enhancing Farmers Income (AGMET-2020) dated on 20-22 January, 2020.

National:

- Naushad Khan, **Ajay Kumar**, C.B. Singh, Sanjiv Kumar, Vijay Dubey and Gendan Lal (2019) **“Assessing the impact of thermal regimes in wheat yield predication in Central Plain Zone of Uttar Pradesh”** *National Conference on Plant health Management for Eco friendly and Sustainable Agriculture (IPSMEZCON-2019)*. PP-109, 25-26 November, 2019.
- Naushad Khan, **Ajay Kumar**, C.B. Singh and Gendan Lal (2020) **“Production potential studies of chickpea varieties under variable weather conditions of Central Plain Zone of Uttar Pradesh”**. ISPP *National Conference on North Zonal Seminar on Crop productivity and stress Management*. PP-4 Feb., 2020
- Naushad Khan, **Ajay Kumar** and Promod Kumar (2020) **“Studies of herbicide combination for controlling mixed weed flora in irrigated wheat (*Triticum aestivum* L.) under changing climate condition of Central Plain Zone of Uttar Pradesh”**. ISPP *National Conference on North Zonal Seminar on crop productivity and stress Management*. PP-67 Feb., 2020
- National web conference on technological approaches for resource conservation and management for environmental sustainability **“Effect of different sowing environment and varieties on production potential of maize under central plan zone of UP.”** organized online on August, 16-17, 2020.
- **Ajay Kumar**, S.N. Pandey, C.B. Singh, Naushad Khan, Karam Husain and Shivam Mishra. **“Climate change and its effects on Horticulture and Agriculture Crops in Uttar Pradesh”**. National Conference on Climate Resilient and Sustainable Development of Horticulture, Organized by Lt. Amit Singh (Memorial Foundation) 14th Swadesh Prem Jagriti Sangosthi-2022 PP-15 to16, 28-31 May, 2022.
- Naushad Khan, Karam Husain, S.N. Pandey, C.B. Singh, **Ajay Kumar** and Shivam Mishra. **“Climate Change and Adaptation Strategies in Horticultural Crops”**. National Conference on Climate Resilient and Sustainable Development of Horticulture, Organized by Lt. Amit

Singh (Memorial Foundation) 14th Swadesh Prem Jagriti Sangosthi-2022 PP-16 to17, 28-31 May, 2022.

- Naushad Khan, Karam Husain, S.N. Pandey, M.Z. Siddiqui, C.B. Singh, and **Ajay Kumar**. **“Effect of Global Warming Specially on Horticulture Crops”**. National Conference on Climate Resilient and Sustainable Development of Horticulture, Organized by Lt. Amit Singh (Memorial Foundation) 14th Swadesh Prem Jagriti Sangosthi-2022 PP-16, 28-31 May, 2022..
- **Ajay Kumar**, S.N. Pandey, C.B. Singh, Naushad Khan, Karam Husain and Shivam Mishra. **“Effect of Temperature Rise on Crop Growth & Productivity in Central Plain Zone in Uttar Pradesh”**. National Conference on Climate Resilient and Sustainable Development of Horticulture, Organized by Lt. Amit Singh (Memorial Foundation) 14th Swadesh Prem Jagriti Sangosthi-2022 PP-33, 28-31 May, 2022.

Participated in conferences:

- Poster Presentation on **“Identification of Congenial Climatic Condition for Optimum Yield of Chickpea under Prevailing Weather Condition in Eastern Uttar Pradesh”** presented by **Ajay Kumar** held during the 16-18 October, 2014. *International symposium on “New Dimensions in Agro-meteorology for sustainable Agriculture*, Organized by GBPUA&T, Pant Nagar.
- National Webcon 2020 on Agriculture production& support system managing Covid-19 pandemic experience sharing & strategies. organized by CSAUA&T, Kanpur held on 6-8 may, 2020
- National Web conference on Management of Resources for Improvement of productivity, Biodiversity and livelihood security organized by UP chapter soil conservation society of India New Delhi & Department of soil conservation and water management. CSAUA&T, Kanpur held on 29-30 July, 2020
- National web conference on climate change, Impact assessment and mitigation in Agriculture held during Jan.4-6, 2021 organized by Department of Climate change and Agriculture Meteorology Panjab Agriculture University Ludhiyana.
- National Webinar on “Heat Wave: Impact on Agriculture” on July 22, 2021 organized by Directorate of Research, Sri Karan Narendra Agriculture University, Jobner, Rajasthan.

- 9th Indian Horticulture Congress, 2021 Horticulture for Health, Livelihoods and Economy, held at Chandra Shekhar Azad University of Agriculture & Technology, Kanpur during from 18-21 November, 2021
- Oral Presentation on **“Climate change and its effects on Horticulture and Agriculture Crops in Uttar Pradesh”** presented by **Ajay Kumar** held during the 28-31 May, 2022. 14th Swadesh Prem Jagriti Sangosthi-2022, National Conference on Climate Resilient and Sustainable Development of Horticulture, Organized by Lt. Amit Singh (Memorial Foundation) at CSAUA&T, Kanpur.
- Poster Presentation on **“Effect of Temperature Rise on Crop Growth & Productivity in Central Plain Zone in Uttar Pradesh”** presented by **Ajay Kumar** held during the 28-31 May, 2022. 14th Swadesh Prem Jagriti Sangosthi-2022, National Conference on Climate Resilient and Sustainable Development of Horticulture, Organized by Lt. Amit Singh (Memorial Foundation) at CSAUA&T, Kanpur.
- Oral Presentation on **“Utilization of Agromet Advisory Services to the Farmers under Central Plain Zone & South-Western Semi-Arid Zone of Uttar Pradesh”** presented by **Ajay Kumar** held during the 8-10 Feb., 2024 at Institute of environment and sustainable development, Banaras Hindu University, Varanasi. International Conference on Climate change & Agroecosystems; Threats, Opportunities & Solutions INAGMET-2024.

Technical Bulletin

- Naushad Khan, **Ajay Kumar**, C.B. Singh, Vijay Dubey, Karam Husain Jitendra Singh and P.Vijay Kumar (2019) **“Success Stories of Farmers in climate Resilient Agriculture in Uttar Pradesh”**. AICRP on Agrometeorology, C.S.A. University of Agriculture & Technology, Kanpur P.P. 1-61.
- S.N. Pandey, C.B. Singh, Naushad Khan, Karam Husain, **Ajay Kumar**, Shivam Mishra, S. K. Bal and A.V.M. Subba Rao (2022-23) **“El Nino Effect on Climatic Variability and Crop Production: A case study for Uttar Pradesh”** Book Bulletin by Department of Agrometeorology, C.S. Azad University of Agriculture & Technology, Kanpur. November, 2022 PP-1-61.

Popular Articles:

- अनिरुद्ध प्रसाद दुबे, राजवीर सिंह, ए. के. त्रिपाठी, सी.बी. सिंह, अजय कुमार एवं विजय दुबे, "मौसम पूर्वानुमान आधारित खेती" कृषक भारती खरीफ विषेषांक 2016 पृष्ठ संख्या: 32–36.
- अनिरुद्ध प्रसाद दुबे, दिग्विजय दुबे, सी. बी. सिंह, अजय कुमार, विजय दुबे, ए. के. त्रिपाठी एवं राजवीर सिंह "प्रमुख खाद्यान्न गेहूं के उत्पादन में गिरावट—एक विचार" कृषक भारती रबी विषेषांक 2016 पृष्ठ संख्या: 1–4.
- नितिश कुमार, अजय कुमार, चंदन कुमार सिंह, प्रवीन कुमार सिंह, हरेन्द्र सिंह एवं प्रियंका "जलवायु परिवर्तन का कृषि पर प्रभाव" बी0एफ0आई0 टी0 देहरादून (उत्तराखण्ड) 2017 पृष्ठ संख्या: 13–15.
- प्रमोद कुमार, नौशाद खान, कैरोविन लाकरा, अजय कुमार एवं सी0बी0 सिंह "अधिक फसलोत्पादन हेतु मिट्टी की जाँच : महत्व एवं तकनीक" कृषक भारती रबी विषेषांक 2018 पृष्ठ संख्या: 68–70.
- नौशाद खान, विजय दुबे, अजय कुमार एवं सी0बी0 सिंह "रबी की मुख्य फसलों पर बदलते मौसम का प्रभाव" कृषक भारती रबी विषेषांक 2018 पृष्ठ संख्या: 70–73.
- डॉ संजीव कुमार, अजय कुमार एवं विजय दुबे (2021) "फसलोत्पादन में मौसम पूर्वानुमान का महत्व" खेत खलिहान फरवरी, 2021 पेज संख्या–02
- एस.एन. पाण्डेय, सी0बी0 सिंह एवं अजय कुमार मिश्रा (2021) "कृषि मौसम पूर्वानुमान एवं फसल प्रबंधन" कृषक भारती खरीफ विषेषांक, 2021 पेज संख्या–64–66
- एस.एन. पाण्डेय, सी0बी0 सिंह, अजय कुमार एवं शिवम मिश्रा (2023) "मोटे अनाज एवं उनके पोषक तत्व का महत्व" कृषक भारती श्री अन्न (मिलेट्स) विषेशांक, 2023 पेज संख्या–68–72
 - अंकित तिवारी, मो. जफर सिद्दीकी, शिवम सिंह, बलवीर सिंह एवं अजय कुमार (2024)। मृदा स्वास्थ्य को बनाये रखने हेतु कृषि सस्य क्रियायें। कृषि कुंभ हिंदी मासिक पत्रिका खण्ड 04 भाग 05 पृ.सं. 46-47 E-ISSN:2582-9769
 - अंकित तिवारी, जगन्नाथ पाठक, नौशाद खान, संजीव यादव एवं अजय कुमार (2024)। मौसम परिवर्तन का कृषि पर प्रभाव। कृषि कुंभ हिंदी मासिक पत्रिका खण्ड 04 भाग 07 पृ.सं. 11-12 E-ISSN:2582-9769
- अंकित तिवारी, मो. जफर सिद्दीकी, शिवम सिंह, बलवीर सिंह एवं अजय कुमार (2024)। मृदा स्वास्थ्य को बनाये रखने हेतु कृषि सस्य क्रियायें। कृषि कुंभ हिंदी मासिक पत्रिका खण्ड 04 भाग 05 पृ.सं. 46–47 E&ISSN:2582–9769
- अंकित तिवारी, जगन्नाथ पाठक, नौशाद खान, संजीव यादव एवं अजय कुमार (2024)। मौसम परिवर्तन का कृषि पर प्रभाव। कृषि कुंभ हिंदी मासिक पत्रिका खण्ड 04 भाग 07 पृ.सं. 11–12 E-ISSN:2582–9769

- अनिरुद्ध प्रसाद दुबे, नौशाद खान, अजय कुमार, विजय दुबे, पी0 विजय कुमार “कृषि मौसम परामर्श सेवा से प्रक्षेत्र उत्पादकता पर मौसम विचलन का प्रभाव” एक््रीपाम–निकरा, सस्य विज्ञान विभाग, चन्द्रशेखर आजाद कृषि एवं प्रौद्योगिकी विश्वविद्यालय, कानपुर पृष्ठ संख्या: 1–14 (2018).

Training Attended:

- Online training programme a Technical Demonstration on Use of CSC Kiosk for dissemination of Advisory and Weather Forecast" dated on 09 January, 2023, **Organized by IMD, New Delhi.**
- Training program on “Agrometeorological Data Collection, Analysis and Management 18 to 27 January, 2023, **organized by AICRPAM, ICAR-Central Research Institute for Dryland Agriculture, Hyderabad (Telangana).**
- **Ajay Kumar and Shivam Mishra** (2024). Participated in the online training programme on ‘**Basics of Data Analysis using ‘R’**’ organised by Centre for e-Learning in collaboration with Dept. of Agricultural Statistics, College of Agriculture, Vellanikkara, Kerala Agricultural University, Thrissur during 09th to 13th September, 2024.
- **Naushad Khan, Ajay Kumar and Shivam Mishra** (2025). Participated in the online training programme on ‘**Basics of Python Programming**’ organised by Centre for e-Learning, Kerala Agricultural University, Thrissur during 11th to 15th February, 2025.

Personal Details:

Father’s Name : Sri Hari Ram

Date of Birth: 07/03/1986

Nationality: Indian

Martial status: Married

Languages: Hindi & English

Health: Excellent; non-smoker



(AJAY KUMAR)