



Curriculum Vitae

Dr. Ratnesh Kumar Jha
Professor, Agronomy, DoEE
Project Director, CASCC

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EDUCATIONAL QUALIFICATIONS

Name of Degree	Institution	Year	Percentage
Graduation	RAU Pusa	1990	90.00 (4/4) First Class with Distinction
Post Graduate	RAU Pusa	1993	88.03 (8.803/10) First Class with Honours
Doctorate	G.B.P.U.A. & T. Pantnagar	2006	82.93 8.293/10)

PROFESSIONAL AREA

- **Research Area:** Climate Smart Agriculture, Cropping Systems, Flood & Drought Management
- **Research Interests:** Climate Smart Agriculture; Conservation Agriculture, Natural and Organic Farming, Rice-wheat & maize systems; Soil-water management; Integrated farming systems; Crop residue management; Pulses & oilseeds productivity; Sustainable rice intensification
- **Memberships/Fellow of Societies:** Life Member of Association of Agrometeorologists, Life Member of the Indian Society of Agrophysics, Member of Indian Society of Agronomy, Life Member of the Society of Krishi Vigyan and Member of the Chief Executive Committee, Nodal Officer of District Agricultural Contingent Plan; Nodal Officer of IJIN-DRR-NIDM, Life Member of the Green-Agri Professional Society, Member of TWG of CSISA, EIA, ICAR-CRIDA

Experience (29 years)

Sl.	Org. Name	Designation	Nature of Post	Org. Type	Pay Scale, Total Monthly Emoluments	From Date	To Date
1.	RPCAU, Pusa/RAU Pusa	Professor, Project Director, Programme Coordinator	Extension, Teaching, Research, Administration	CAU, SAU	37400-67000, 10000 AGP GP ₹324260	11.07.2012	To date
2	RAU Pusa	Associate Professor, Programme Coordinator	Extension, Research, Administration	SAU	37400-67000, 9000 AGP 15600-39100, 8000 AGP	11.07.2009 11.07.2006	10.07.2012 10.07.2009
3.	RAU Pusa	Assistant Professor, Programme Coordinator, Training Associate	Extension, Research, Administration	SAU	10000-15200 (15600-39100 with 7000 AGP) 2200-4000 (8275-13500)	18.12.2002 18.12.1996	10.07.2006 17.12.2002

PUBLICATIONS

Research articles: 50	Books & Book Chapter: 81
Review articles: 02, Policy papers :2	Technical articles, leaflets and folders: 55
Short Communication, Abstracts, conference papers: 42	Training Manuals 5, e-publication 4
Total Citations: 873	h-index: 15; i10-index: 21

KEY PUBLICATIONS (Any Ten):

1. Optimizing maize systems with raised beds: boosting productivity, profitability, and sustainability. *Frontiers in Sustainable Food Systems*. 9:1484079. <https://doi.org/10.3389/fsufs.2025.1484079>
2. Enhancing wheat resilience in subtropical agroecosystems through climate-resilient agriculture strategies. *Front. Agron.* 7:1535701. <https://doi.org/10.3389/fagro.2025.1535701>
3. Climate resilient strategies for wheat farming: minimizing climate impact, optimizing productivity, and maximizing profitability in the subtropical agroecological landscape of India. *Front. Sustain. Food Syst.* 9:1564812. <https://doi.org/10.3389/fsufs.2025.1564812>
4. Micro-level sustainability benefits through weather-based farm interventions in Bihar, India. *Front. Sustain. Food Syst.* 9:1491153. <https://doi.org/10.3389/fsufs.2025.1491153>
5. Sustainable tillage and residue management for enhanced soil health and productivity in North Bihar's rice-wheat green gram system. *Environ Dev Sustain* (2025). <https://doi.org/10.1007/s10668-024-05951-1>
6. Bridging the gap: challenges and adoption of climate-resilient agriculture technologies in agricultural landscapes across agro-climatic zones of Bihar, India. *Front. Sustain. Food Syst.* 8:1504388. <https://doi.org/10.3389/fsufs.2024.1504388>
7. Impact of crop rotation and tillage operations on mitigating greenhouse gas emissions and evaluation of sustainability index in rice-wheat-green gram cropping system of north Bihar. *Journal of Environmental Management*, 366:121689. <https://doi.org/10.1016/j.jenvman.2024.121689>
8. Enhancing Sustainability and Productivity of Rice-Wheat-Green Gram Cropping System through Alternative Tillage and Crop Establishment Approaches in North-Bihar. *International Journal of Plant Production*. 18:381-395. [doi:10.1007/s42106-2024-00296-1](https://doi.org/10.1007/s42106-2024-00296-1)
9. Managing climatic risks in rice-wheat cropping system for enhanced productivity in middle Gangetic plains of India. *Frontiers in Sustainable Food Systems*. doi: 10.3389/fsufs.2023.1259528
10. Climate-Resilient Rice Establishment Practices: Findings and Lessons from Two Villages in Bihar, India. *Sustainability* (2023), 15(14):1082. <https://doi.org/10.3390/su151411082>

Declaration

I hereby declare that above information is correct & to the best of my knowledge.

Signature
Date.....