

Resume

Dr. KRATIKA NAYAK

Assistant Professor (Contractual)

Jawaharlal Nehru Krishi Vishwa Vidyalaya (JNKVV),
College of Agriculture, Panna, Madhya Pradesh – 488001

• **Permanent Address:** 23 HIG, New Housing Board,

Sukhdev Vihar Colony, Jhabua (M.P.) – 457661

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Career Objective

- To serve in a reputed academic institution as a dedicated and innovative educator, contributing to teaching, research, and extension in the field of Agriculture.
- To utilize academic knowledge, research aptitude, and communication skills for creating a dynamic learning environment that encourages intellectual curiosity and holistic student development.
- To inspire students to think critically, adopt sustainable and eco-friendly agricultural practices, and become responsible contributors to society.
- To engage in continuous learning, academic collaboration, and research innovation, enhancing professional competence and educational quality.
- To contribute towards institutional growth, academic excellence, and the advancement of agricultural education and research through dedication, integrity, and creativity.
- To play a meaningful role in shaping the next generation of skilled and responsible agricultural professionals

Area of Specialty

An academically driven Agronomist with specialization in **cropping system research** and **crop diversification strategies**, focusing on enhancing productivity, profitability, and resource-use efficiency. My research and teaching interest's center around **sustainable and integrated farming systems** that promote soil health, balanced **nutrient management**, and long-term agricultural sustainability. I have worked extensively on optimizing **water use efficiency** and developing

resource conservation technologies suited to varied agro-ecological conditions. My expertise also includes **agronomic evaluation of crops under different planting geometries**, and the integration of **bio-fertilizers and bio-herbicides** as vital components of **integrated weed and nutrient management**. I am deeply engaged in analyzing **energetics and economic viability of cropping systems**, linking research outcomes to practical applications for farmers. Committed to advancing **natural and climate-smart agricultural practices**, my goal is to contribute toward resilient, eco-friendly, and profitable farming systems through innovative agronomic research and technology dissemination.

Educational Qualification

Examination	Name of the Degree / Diploma	University / Exam Body	Year of Passing	Major Subject(s)
High School	High School	CBSE	2012	All Subjects
Higher Secondary	Higher Secondary	CBSE	2014	Physics, Chemistry, Mathematics
Bachelor's Degree	B.Sc. (Hons.) Agriculture	RVSKVV, Indore	2020	Agriculture
Master's Degree	M.Sc. (Ag.) Agronomy	RVSKVV, Gwalior	2022	Agronomy
Doctoral Degree	Ph.D. (Ag.) Agronomy	JNKVV, Jabalpur	2025	Agronomy
Post Graduate Diploma	PGDCA (Computer Applications)	MCNUJC, Bhopal	2024	Computer

Research Titles:

- **M.Sc. (Ag.) Thesis:** “Evaluation of Cut and Whole Seed Tubers under Different Planting Geometry on Potato (*Solanum tuberosum* L.) Production.”

- **Ph.D. (Ag.) Thesis:** “Evaluation of Cropping System for Crop Diversification under Kymore Plateau and Satpura Hills Zone of Madhya Pradesh.”