

RESUME

DR. RAMANDEEP SINGH

Ph.D. Agronomy (minor - Soil Science)
ASRB NET 2025 (Agronomy)



PROFILE

Name

Dr. Ramandeep Singh

Date of Birth

February 19th, 1996

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ResearchGate

<https://www.researchgate.net/profile/Ramandeep-Singh-55>

LANGUAGES

English

Hindi

Punjabi

EDUCATION

Year	Degree	Institute	CGPA/%
2025	Ph.D. Agronomy (Minor- Soil Science)	Lovely Professional University	8.85
2022	M.Sc. Agronomy (Minor- Soil Science)	Lovely Professional University	8.99
2019	B.Sc. Agriculture	Baba Farid Group of Institutions	81.85%
2015	12 th (PCM)	Mahindra Public School (CBSE)	72.4%
2013	10 th	MPS (CBSE)	9.6

RESEARCH EXPERIENCE

Ph.D. Agronomy: conducted a research trial entitled, “**Maximizing yield of spring maize (*Zea mays* L.)** with the manipulation of agronomic practices” during spring 2023 and 2024 under the supervision of **Dr. Ujagar Singh Walia**.

Objective: To maximize yield of spring maize by manipulating agronomic practices.

Brief Description: It included two years field trials from January 2023 to June 2024. Acquired valuable insights into weed management, nutrient management, organic manures, soil properties, data collection and analysis during this period. It included various planting patterns, organic manures (FYM, poultry manure and press mud), nitrogen levels and weed control methods (leguminous green manures as live mulching, pre-emergence herbicides, hand weeding, earthing up and straw mulching). Over the course of trial, data related to weed density, crop morphology, yield, soil parameters and crop quality were collected. Statistical tools like OPSTAT, SPSS and MS excel were used to interpret and analyse the data.

M.Sc. Agronomy: conducted a research trail investigating the “**Effect of Integrated nutrient management on baby corn (*Zea mays* L.) under the Punjab conditions**” from September 2021 to January 2022 under the supervision of **Dr. Rubina Gill**.

Objective: To evaluate effect of nutrient integration on baby corns’ growth and yield.

Brief Description: engaged in a field experiment focused on crop cultivation with different nutrient combinations of macro nutrients, zinc and biofertilizers followed by laboratory study of soil fertility and crop quality. Learned about crop cultivation practices including field preparations, sowing fertilizer applications, insect protection, irrigation scheduling etc. Data collection and analysis using different statistical tools and their significance.

B.Sc. Agriculture: carried out a live project on groundnut cultivation focusing on nutrient and weed management practices along with harvesting and soil testing conducted during *kharif* 2018.

TRAINING AND CERTIFICATES

- **Advanced soil analysis:** examining soil composition and fertility to optimize agricultural production.
- **Plant analysis expertise:** In-depth knowledge of plant health assessment and nutrient analysis for crop quality estimation.
- **Conducting field trails:** proven track record in designing and executing field trails and managing crop production.
- **Data collections and analysis:** good knowledge about data collection related to research trails and employing statistical methods for interpreting and representing data.
- **Data handling:** skillful in managing large data sets with precision, accuracy and reliability.

Software Proficiency:

- **Microsoft Office:** good knowledge of Office tools for efficient documentation and presentation.
- **OPSTAT:** expertise in using OPSTAT for advanced statistical analysis.
- **SPSS:** utilizing statistical techniques for robust data interpretation.
- **GRAPES:** for statistical analysis and interpretation of data.
- **R Studio:** for statistical analysis.
- **Biorender:** for images and illustrations.
- **OriginPro:** Advanced data analysis tool and graphing

ACHIEVEMENTS

Best Dissertation Award – 2022

4th International conference on 'Global Efforts on Agriculture, Forestry, Environment and Food Security (GAFEF-2022) at Institute of Forestry, Tribhuvan University, Pokhara Campus Pokhara, Nepal.

Recent Advances in Agriculture-2020 (10/2020-10/2020)

Virtual quiz on agriculture organized by Parul University, Gujarat

ORGANIZATIONS

The Social Souls (02/2019 – 02/2020)

Social Media Team

CERTIFICATES

Digital Farming

Course on technologies used in digital farming and integration of technologies for various purposes in agriculture.

Application of Machine Learning in Agriculture (06/2021-06/2021)

Various ways to apply machines in agriculture and benefits of it.

Digital Marketing (12/2020-01/2021)

All the aspects of digital marketing like SMM, SEO etc taught and practiced during the course period

ASSOCIATION AND MEMBERSHIP

Reviewer

Plant Science Today (Scopus)

11/2023 - Present, *10 papers reviewed*

Journal of Agricultural Sciences and Engineering

12/2023 - Present,

Asian Journal of Soil Science and Plant Nutrition

02/2025 – Present

Online proctor (Lovely Professional University)

06/2024- 08/2025,

Social media Intern

Ananth Agri Services LLP

12/2020-02/2021, *Work from home*

Buying and selling machinery, hiring services of drivers, providing machinery for rentals

Achievements/Tasks

Social Media Handling

Contact: KundhanNagaVenkataDattaSaiMamidi-hr@ananthagriservices.com

Social Media Marketing(01/2021-02/2021)

E-mail, facebook, instagram, twitter, linkedin, pininterest

BOOKS

Next-Generation Agronomy: Sustainable Crop Production in the AI era , ISBN number- 978-8199000193, BR Publishing House

PUBLICATION

S. No	JOURNALS	Publications	Year	NAAS/SJR Rating
1.	Plant Science Today	Effect of sulphur and biofertiliser use on yield and economic sustainability of mungbean (<i>Vigna radiata</i> L.)	2026	Q3 IF – 0.9 (SJR 0.22)
2.	Plant Science Today	Impact of planting patterns and weed control treatments on weed dynamics, growth and yield of transplanted rice under unpuddled and puddled conditions	2025	Q3 IF – 0.9 (SJR 0.22)
3.	Agricultural Science Digest	Effect of planting patterns and weed control treatments on growth and yield of Spring Maize	2025	Scopus (SJR 0.18)
4.	Plant Science Today	Influence of planting patterns and integrated weed management practices on weed biomass, growth and yield of Spring Maize	2025	Q3 IF – 0.9 (SJR 0.22)
5.	Agricultural Science Digest	Role of planting patterns and weed control methods on growth and development of Fennel (<i>Foeniculum vulgare</i> Mill.)”	2025	Scopus (SJR 0.18)
6.	Agricultural Science Digest	Impact of various nutrient management technique on growth, yield and quality attributes of Sweet sorghum (<i>Sorghum bicolor</i> L.)”	2025	Scopus (SJR 0.18)
7.	Plant Science Today	Effects of integrated nutrient management and fertilizers on the yield of baby corn in Punjab's climatic context	2024	Q3 IF – 0.9 (SJR 0.22)
8.	Agricultural Science Digest	The Effect of Napier Grass + Cowpea Intercropping and Different Fertilizer Levels on Soil Characteristics and Economics	2024	Scopus (SJR 0.18)
9.	Ecology Environment and Conservation	The effect of Cowpea intercropping and different fertilizer levels on Nutritional quality of Napier grass	2023	WOS, UGC, NAAS 5.05
10.	Elementary Education Online Journal	Integrated Nutrient Management in corn production for food security and enhancing soil fertility under irrigated conditions."	2022	Scopus, (SJR 0.19)
11.	The Pharma Innovation International journal	Impact of nitrogen application on fodder quality and yield parameters of oats	2022	NAAS, 5.11
12.	Acta Scientific Agriculture	Legume crop cultivation status in Punjab with reference to problems faced by farmers during its production	2023	ISI Impact – 1.01
13.	The Pharma Innovation International journal	Effect of inorganic, organic and different bio-fertilizers on growth and yield of desi gram (<i>Cicer arietinum</i> L.) under irrigated conditions	2022	NAAS, 5.11
14.	The Pharma Innovation international journal	Impact of nitrogen application on fodder quality and yield parameters of oats: A review	2021	NAAS, 5.11

Book chapter/Popular Article

S. No	Title	Year
1	Role of micro biota in composting.	2025
2	Role of drone technology for crop health analysis.	2023
3	Barley cultivation (Hindi)	2023
4	Makhana- a wonder aquatic crop	2022
5	Micro-irrigation for sustainability in agriculture	2022
6	Organic production requirements, components and nutrients of organic farming, limiting nutrient losses, organic manures: Farmyard manure (FYM), enrichment of FYM	2022
7	NGOs and other organizations for promotion of organic agriculture.	2022
8	Integrated farming system	2021
9	Aflatoxin contamination, related health issues and home remedies in Peanut.	2021

PAPER PRESENTED/ CONFERENCES

S. No.	National/ International	Title of seminar /workshop/conference	Year	Place	Title of the paper presented& Author
1.	National	Maize: A Crop for Food, Feed, Nutritional and Bioenergy Security with Environmental Sustainability	2024	PAU, Ludhiana	Ramandeep Singh, Dr. Ujagar Singh Walia Influence of planting patterns and weed control treatments on growth and yield of spring maize.
2.	National	Nurturing Agricultural Advancement and Sustainability	2024	IASHT, Sampoorna	Ramandeep Singh, Dr. Ujagar Singh Walia Influence of organic manures and nitrogen levels on the growth and productivity of maize crop
3.	International	Recent trends in Smart and Sustainable Agriculture for Food and Nutritional Security	2024	LPU, Phagwara	Ramandeep Singh, Dr. Ujagar Singh Walia Impact of planting patterns and weed management on growth and yield of spring maize.
4.	National	Agro-Ecology Based Agri-Food Transformation Systems	2023	IIFSR, Modipuram, Meerut	Ramandeep Singh, Dr. Rubina Gill The influence of integrated nutrient management on growth parameters of Baby corn (<i>Zea mays</i>) under Punjab conditions
5.	International	Recent trends in Smart and Sustainable Agriculture for Food Security	2022	LPU, Phagwara	Ramandeep Singh, Dr. Rubina Gill Role of transporter proteins in plants during abiotic stress.
6.	International	Management of coastal ecosystem in climate change era	2021	Annamalai university, TN	Participation

Seminar and Workshops

Sl. No.	National/ International	Title of Seminar /Workshop/Training	Year	Place
1.	National	Emerging opportunities for farmers and entrepreneurs for sustainable rural development	2025	Department of Agriculture, 360 Research Foundation, Bihar
2.	International	Focus on peer review	2025	Springer Nature
3.	National	Life long learning course on Waste Management	2022	LPU
4.	National	Everyday Academic and Spoken English Course	2022	LPU
5.	Webinar	Satellite Farming	2022	Anand Agricultural University, Anand
6.	Webinar	Keeping salt affected soils alive: Boosting soil health and agri-productivity	2021	ANDUAT, Ayodhya
7.	National	Food and agri-business startups in India: current scenario and future perspectives	2021	MPUAT, Rajasthan
8.	Webinar	Analysis of pesticide residue in food and agricultural commodities	2021	AAU, Anand
9.	National	Mass awareness campaign on Organic Farming	2021	SDAU, Gujarat
10.	National	Recent advances in production technology and value addition of Cocunut	2021	NAU, Gujarat

11.	National	Digital Farming	2021	MIT, Aurangabad
12.	National	Administrative leadership	2021	LPU
13.	National	Scientific writing and statistical methods	2021	LPU
14.	National	Artificial intelligence in agriculture	2021	AAU, Anand
15.	National	Co-operative marketing in Gujarat	2021	AAU, Anand
16.	National	Training – Social Media Marketing	2021	Online
17.	National	Value-addition in milk, fruits and vegetables: A success mantra for agriculture	2021	AAU, Anand
18.	National	Nutritionally enhanced cereals for food and nutrition security	2021	CIMMYT, Mexico
19.	International	Production of androgenic haploids and doubled haploids in banana	2021	Bioingene, online
20.	National	Underutilized horticultural crops	2021	AAU, Anand
21.	International	Germplasm to genome engineering	2021	Bioingene, online
22.	International	Genome editing to enhance multiple disease resistance in crop plants	2020	Just Agriculture
23.	National	Paradigm shift in mechanization for futuristic agriculture	2020	AAU, Anand

Declaration

I hereby declare that the above-mentioned statements are true to the best of my knowledge and belief.

Date: 06-02-2025

DR. RAMANDEEP SINGH