

Dr. Nikhil Raghuvanshi

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Institute of Agriculture and Natural Sciences,
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Permanent Address

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226010

FIELD OF RESEARCH INTEREST

Nutrient Management: Integrated Nutrient management in major cereals crops.

Technology use in Agriculture: Developed new technology for sustainable agriculture.

Cropping System: Find out the highly productive and sustained cropping system for farmers.

ACADEMIC DETAILS

Course/Board	Year of passing	Class/Degree	Marks % /CGPA	Remarks
ANDUA&T, Ayodhya	2020	Ph.D. (Agronomy)	8.15/10	Summer internship conducted by Indian Government on Swachh Bharat
ANDUA&T, Ayodhya	2017	M.Sc. (Agronomy)	8.44/10	Actively took part in Co-curricular activities in College
SVPUA&T, Meerut	2015	B.Sc. (Agriculture)	6.93/10	Participated in University Cultural events
CBSc (XII Standard)	2011	12 th	61.4 %	Qualified U.P. Catet entrance exam
CBSc (X Standard)	2009	10 th	63.0 %	Participated in School Cultural events

EDUCATION

- Ph.D.** Narendra Deva University of Agriculture and Technology,
Kumarganj, Ayodhya, **Agronomy** 2020
Thesis: “Effect of sowing methods and nitrogen management on the performance of wheat (*Triticum aestivum* L.)” Advisor: Dr. B. N. Singh
- M.Sc.** Narendra Deva University of Agriculture and Technology,
Kumarganj, Ayodhya, **Agronomy** 2017
Thesis: “Effect of nitrogen levels on growth and yield of mustard (*Brassica juncea* Curzen and Cross.) varieties under late sown condition”
Advisor: Prof. Jai Dev
- B.Sc.** Sardar Vallabh Bhai Patel University of Agriculture and Technology, Meerut 2015
Graduated in Agriculture

PUBLICATION

Here are the List of Publications;

Author	Year	Title	Journal with Vol., Nos. Page(s)	NAAS Rating
Kumar V., Raghuvanshi N. , Kumar A., Rithesh L., Rai A., and Pandey A.K.	2023	Deciphering phytomicrobiomes for sustainable crop production: recent findings and future perspectives	Plant Stress, 10, 100285.	11.6 (IF 5.0)
Kumar, A., Rithesh, L., Kumar, V., Pandey, A.K., Raghuvanshi, N. , Abhineet and Chaudhary, K.	2023	Stenotrophomonas in diversified cropping systems: friend or foe?	Frontiers in Microbiology, 14: 1211680	11.05 (IF 5.05)
Kumar, V, Raghuvanshi, N. , Pandey, AK, Kumar, A, Thoday-Kennedy, A and Kant, S	2023	Role of Halotolerant Plant Growth-Promoting Rhizobacteria in Mitigating Salinity Stress: Recent Advances and Possibilities	Agriculture, 13, 168.	9.4 (IF 3.41)
Kumar V, Singh MK, Raghuvanshi N. , and	2022	Rice (<i>Oryza sativa</i> L.)–Baby Corn (<i>Zea mays</i> L.) Cropping	Agronomy, 12(9), 2105	9.7 (IF

Sahoo M		System Response to Different Summer Green Manuring and Nutrient Management		3.7)
Raghuvanshi N, Singh BN and Kumar V	2021	Effect of Sowing Methods and Nitrogen Management on Yield and Agrometrological Indices on Wheat (<i>Triticum aestivum</i> L.)	Biological Forum – An International Journal, 13(3a): 341-347	5.11
Raghuvanshi N, Singh BN and Kumar V	2021	Study of growth and yield of wheat (<i>Triticum aestivum</i> L.) with different sowing method and nitrogen management under the semi-arid region of India	The Pharma Innovation Journal, 10(4): 680-684	5.23
Kumar V, Singh MK, Raghuvanshi N and Sahoo M	2021	Response of Summer Green Manuring and Nutrient Management on Log Phase of Growth in Unpuddled Transplanted Hybrid Rice (<i>Oryza sativa</i> L.)	Biological Forum–An International Journal, 13(1): 122-127	5.11
Kumar V, Singh MK and Raghuvanshi N	2021	Study on integrated nutrient management on crop growth indices in unpuddled transplanted rice (<i>Oryza sativa</i> L.)	The Pharma Innovation Journal, 10(4): 680-684	5.23
Raghuvanshi N and Singh BN	2020	Effects of sowing methods and nutrient management on root phenology and microbial activity in soil under wheat (<i>Triticum aestivum</i> L.)	Journal of Pharmacognosy and Phytochemistry, 9(3): 1572-1575	5.21
Raghuvanshi N and Singh BN	2020	Impact of Sowing methods and nitrogen management on growth of wheat (<i>Triticum aestivum</i> L.)	International Journal of Chemical Studies, 8(3): 2771-2775	5.20
Raghuvanshi N, Kumar V and Dev J	2018	Effect of Nitrogen Levels on Mustard (<i>Brassica juncea</i> (L.) Czern and Coss.) Varieties under Late Sown Condition	Current Journal of Applied Science and Technology 30(2):1-8, 43605.	4.95
Raghuvanshi N, Kumar V and Dev J	2018	Study on Nitrogen Levels and Varieties on Yield Contributing Characters, Quality and Economics of	International Journal of Current Microbiology and Applied Sciences; 2018, 7(07): 3152-	5.39

		Mustard (<i>Brassica juncea</i> Curzen and Cross.) Varieties under Late Sown Condition	3161	
Raghuvanshi N and Kumar V	2018	Advances in agronomical manipulation on Indian mustard (<i>Brassica juncea</i> Cezern and Coss.): An Review	Journal of Pharmacognosy and Phytochemistry, 7(4): 833-837	5.21
Singh V, Raghuvanshi N , etc.	2017	Response of Zinc and Sulphur on Growth and Yield of Rice (<i>Oryza sativa</i> L.) under Sodic Soil	Int. J. Curr. Microbiol. App. Sci., sp. 4: 61-70	5.39
Singh S, Raghuvanshi N , etc.	2017	Effect of Nitrogen Management Practices on the Productivity of Late Sown Wheat (<i>Triticum aestivum</i> L.) Varieties	International Journal of Current Microbiology and Applied Sciences, 6(7): 878-887	5.39
Patel A, Singh AK, Singh S, Sharma A, Raghuvanshi N and Singh AK	2017	Effect of Different Sowing Dates on Growth, Yield and Quality of Various Indian Mustard (<i>Brassica juncea</i> L.) Varieties	International Journal of Current Microbiology and Applied Sciences, sp. 4: 71-77	5.39

Submitted articles

1. Gawdiya, S., Kumar, D., Shivay, Y.S., Bhatia, A., Kumar, R., Saini, R., Kumar, A., **Raghuvanshi, N.**, Kumar, V., Jatav, H.S., Kour, B., Choudhary, K., (2023) Genotypic Diversity in Response to Nitrogen Fertilization in Irrigated Rice Cultivars in the Indo-Gangetic Plains, Environment, Development and Sustainability, Under Review
2. **Raghuvanshi, N.**, Kumar, V., Rai, A., Kumar, A., Jatav, H.S. (2023) The Multitrophic Role of Panchgavya Ghrita in Human-Plant Ecosystem: A Review, Communications in Soil Science and Plant Analysis, Under Review
3. Kumar, V., Singh, M.K., **Raghuvanshi, N.** (2023) Soil physio-chemical properties influence by green manure and nitrogen management under rice (*Oryza sativa* L.)-baby corn (*Zea mays* L.) cropping system, Eurasian Soil Science, Submitted

BOOK OR BOOK CHAPTERS

1. Raghuvanshi, N. and Kumar V. (2021) Practical Manual Principles of Agronomy, *Book River*

publication, ISBN: 978-93-91000-75-2

2. Kumar, V., Raghuvanshi, N., Singh, M.K. and Singh, S. (2021) Investigating the Diversity and Role of Water Hyacinth for Sustainable Agriculture: An Overview, *Organic Farming Practices and Sustainable Agriculture*, 01-24. ISBN: 978-93-91538-38-5
3. Raghuvanshi, N. and Kumar, V. (2019) Agronomical Management of Sequential Cropping System, *Advances in Agronomy*, 63-81. ISBN: 978-93-5335-828-0
4. Raghuvanshi, N. and Kumar, V. (2018) Nitrogen Management in Rapeseed-Mustard, *Advances in Agriculture*, 73-83.

SUBMITTED BOOK CHAPTER

1. Kumar, V, Sahoo M., Parmar K., Singh, M.K., Tomar A. (2023) Green Revolution 2.0: Biochar Applications in Agriculture, Springer Nature

Popular Articles

1. Raghuvanshi, N and **Kumar, V**. Agroforestry as an option for mitigating the impact of climate change, *Indian Farmer*, 749-752, Nov, 2019.
2. Raghuvanshi, N and **Kumar, V**. Krishi Drone Ka Bhadta Mhatva, *Kheti*, 24-25, July, 2020.
3. Raghuvanshi, N and **Kumar, V**. Ganne me antervartiya pradhati apnaye, munafa kamaye, *Madhya Bharat Krishi*, 38, Dec, 2019.
4. **Kumar, V**, Raghuvanshi, N. Kisano Ke Liye Vardan Hai Hari Khad, *Paschami Kheti*, 9-11, Aug, 2018.
5. Raghuvanshi, N and **Kumar, V**. Growing late spring sugarcane after wheat crop a beneficial crop in north India, *Agriblossom*, 1(12): 11-19, July, 2021.

PATENT

1. Kumar, V, **Raghuvanshi, N** (2023) Automated Solar Powered Weeding Robot, Application No.- 6331636, (Granted)
2. **Raghuvanshi, N**, Kumar, V, Chaudhary, K, Singh and Abhineet (2023). Machine Learning Based Smart Soil Sampler, Design Patent, Application No.- 387563001 (Granted)
3. Gogoi, M, Kumar, V, **Raghuvanshi, N**, Sahoo, M (2023). IOT Based Smart Agriculture Monitoring System for Sustainable Produce and Green Climate, Innovation Patent, Application No. – 202311034422 (Published)

TEACHING EXPERIENCE

University/Institute	Pay Scale	From	To
Uttaranchal University	6000	1.12.2020	6.2.2021
Shri Ramswaroop Memorial University	6000	16.03.21	31.10.2022
Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur	6000	05.11.2022	Till

THESIS GUIDED

1. Mr. Arjun Singh, Title- Effect of Hydrogel and Bio-Inoculant on Growth, Yield of Rice varieties under Rainfed condition
2. Mr. Nitish Kumar, Title- Effect of Sowing Dates and Varieties on Growth and Yield of Wheat (*Triticum aestivum* L.)
3. Mr. Rahul Katiyar- Effect of Integrated Nutrient Management on Growth and Yield of Black gram (*Vigna mungo* L.)

CONFERENCE/SEMINAR

Title of Seminars/ Symposia/Courses/Workshop	Place of Seminars/ Symposia/Courses/Workshop	Year	Duration	
			From	To
RAWE attended	RAWE course, Nagina	2014	22.08.2014	12.12.2014
ARISE-2016	S&T SIRI, Telangana, India	2016	21.05.2016	22.05.2016
ECOASPECT	GUARD, Telangana, India	2016	10.09.2016	11.09.2016
ICPASN-2016	UPCAR, Lucknow	2016	10.11.2016	11.10.2016
NCD	S&T SIRI, Telangana, India	2017	09.09.2017	10.09.2017
NCS on DFIAP	RASSA, New Delhi	2017	28.10.2017	29.10.2017
EEBRHW-2018	SEDER, Varanasi	2018	25.03.2018	26.03.2018
9 th National Seed Congress	NSRTC, Varanasi	2019	19.02.2019	21.02.2019
4 th National <i>Brassica</i> Conference	SRMR & CSUA&T, Kanpur	2019	01.02.2019	03.02.2019
National Conference on Organic Agriculture & Natural Farming	Organic Agriculture Society of India, Palampur	2019	28.05.2019	29.05.2019

5 th Uttar Pradesh Agricultural Science Congress	UPCAR and IAS, Varanasi	2020	22.02.2020	24.02.2020
4 th DISHA-2021	Green Agri Professional Society	2021	13.03.21	14.03.21
5 th International Agronomy Congress	Indian Society of Agronomy	2021	23.11.2021	27.11.2021
National Conference on Natural and Organic Farming for Ecological, Economical and Nutritional Security	Organic Agricultural Society of India	2023	7.06.2023	9.06.2023

HONORS AND AWARDS

These are the list of honors/fellowship, which had been awarded to me during in academia:

Award/Recognition		
Name of the Award/Recognition / Fellowship /Committee Membership	Awarding Organization (place / country)	Year
Best Teacher Award	DDU Gorakhpur University, Gorakhpur	2023
Life time membership	Indian Society of Agronomy	2021
Life time membership	Agro-meteorological Society	2019
Ph.D. Fellowship	U.P. Catet	2017
Best Poster	GUARD	2016
Young Scientist	S&T SIRI	2017
Best M.Sc. Thesis	S&T SIRI	2017
Best Paper	RASSA	2017
Lead Presentation certificate	SAID	2017
Young researcher award	DISHA	2021

VISION

My vision is to lead the agricultural transformation through innovative research, inspired teaching, and sustainable practices. My aim to expand agronomic knowledge by pioneering research in emerging technologies, sustainable farming, and crop management. This will ensure increased agricultural productivity while conserving natural resources. Ultimately, I envision a world where agriculture

harmonizes with nature, feeding the population sustainably and safeguarding our planet for generations to come.

COMMUNITY SERVICE

- Conducted agriculture workshop at village level for introduction to new innovation and smart farming

LANGUAGES

English: Intermediate Listener, Novice Speaker, Advanced Reading and Writing

Hindi: Read Write and Speak

COMPUTER SKILLS

Applications: MS office, Access, Adobe, learning R programming, ArcGIS, Erdas Imagine, QGIS

Platforms: Windows, MacOS

PERSONAL DETAILS

Father's Name: Prof. Ram Ashray Singh

Mother's Name: Dr. Kiran Singh

Permanent Address: 5/1206, Viram Khand, Gomtinagar Lucknow,
Uttar Pradesh, India-226010

Date of Birth: 22-09-1993

REFERENCES

Prof. Sanjay Singh
Genetics and Plant Breeding,
D.G., Uttar Pradesh Council of Agricultural Research,
Lucknow, Uttar Pradesh
Mobile No.: +91-9116294440,

Nikhil Raghuvanshi

Email: dgupcar@up.gov.in

Prof. S. P. Singh

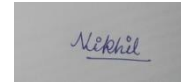
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DECLARATION

I, Nikhil Raghuvanshi declare that the given information is best of my knowledge and I am taking whole responsibilities for this.

Date: 11/01/2024

Place: Gorakhpur



Signature

Nikhil Raghuvanshi