



Prof. (Dr) Omkar Singh

Principal

M.Sc Ag, PhD (BHU), NET (ASRB), FISPRD

Gochar Mahaviyalaya, Rampur Maniharan, Saharanpur, UP, India.

Affiliated to Maa Shakumbhari University, Saharanpur, UP, India

Contact: +91 9897068609 / +91 7906370116 | Email: rkpg.omkar@gmail.com

Profile Summary

A highly accomplished academic leader and administrator with over 27 years of experience in higher education, research, and academic governance. Acknowledged for fostering a culture of academic excellence, driving strategic growth, and enhancing institutional reputation. As an expert in Genetics, Plant Breeding, and Biotechnology, I have contributed significantly to academia through an extensive portfolio of publications, including over 31 books authored in Hindi (24) and English (7) and five book chapters. These publications have made a substantial impact at the grassroots level, promoting agricultural knowledge and innovation in native language, thereby making science accessible and relevant to local communities and regional stakeholders. Demonstrates strong leadership in implementing educational reforms, managing university operations, and guiding faculty and student development. Committed to promoting inclusive and innovative learning environments and enhancing collaboration between academia, industry, and government.

Personal Details

Fathers Name: Shri R.P. SINGH

Date of Birth: February 04,1969

Nationality: Indian

Category: General

Correspondence Address:

24-Vikas Nagar Karnal Road [Near Sale Tax Office] (247776) Shamli UP.

Permanent Address:

Dr. Omkar Singh Village, Shahpani,
Post: Ismailpur, Distt: Bulandshahr UP

Current Position

Principal

Gochar Mahavidyalaya, Rampur Maniharan, Saharanpur, UP

December 2021 - Present

- Gochar Mahavidyalaya, is a Govt. Aided college that offers more than 20 different UG and PG courses across various disciplines with a student strength of about 4500 and faculty strength of 135 (including teaching staff for both aided and self-financed courses)
- Spearheaded the implementation of the National Education Policy (NEP 2020) initiatives both at the university as well as college level, aligning academic programs with national standards.
- Developed and executed policies for faculty development, curriculum enhancement, and research promotion.
- Initiated high-level discussions with the Indian Council of Agricultural Research (ICAR). This effort culminated in a successful interface meeting with the Deputy Director General (Education) of ICAR and senior officials from the National Agricultural Higher Education Project (NAHEP), aimed at integrating Agricultural colleges affiliated with traditional universities more effectively into the national framework of agricultural education.

- Led efforts in quality assurance, accreditation, and governance, ensuring compliance with university standards and regulatory requirements.
- Engaged with community stakeholders, fostering partnerships for research and community outreach programs culminating into multiple MoUs being signed.
- Managed the recruitment, training, and performance evaluation of faculty and administrative staff, enhancing institutional efficiency and effectiveness.

Leadership and Administrative Experience

Role Assigned	Level of Assignment / Other Details	Accomplishments / Achievements in the current role
Coordinator National Education Policy (NEP 2020), MS University, Saharanpur	University Level- MS University, Saharanpur	<ol style="list-style-type: none"> 1. <u>Establishment of NEP-2020 dictated various cells within affiliated colleges</u> 2. <u>Facilitating development of Online learning Programmes</u> 3. <u>Facilitated various MoUs within affiliated colleges for enhancing skill-based education</u> (From starting to till date i.e. 2022 to current date)
Nodal Officer, NEP-2020 18 actionable points MS University, Saharanpur	University Level- MS University, Saharanpur	
Convenor, SWAYAM Executive and Credit Equivalence Standing Committee, MS University, Saharanpur	University Level- MS University, Saharanpur	Implementation of SWAYAM programmes into the university curriculum and mapping their credit equivalence.
Coordinator Admission (2024-25, 2025-26) MS University, Saharanpur	University Level- MS University, Saharanpur	Oversaw fair and timely admissions of UG and PG students across more than 200 institutions affiliated with the MS, University including admissions to the campus of the university
Coordinator of Committee formulated to implement Guidelines regarding FYUP, MEE, SWAYAM and AEDP	University Level- MS University, Saharanpur	Oversaw formulation of Guidelines regarding FYUP, MEE, SWAYAM and AEDP
Coordinator Executive Committee For Recruitment of 20 Assistant Professors for Schools of Botany, Chemistry, Physics and Zoology of the university	University Level- MS University, Saharanpur	Responsible for formulation of the guidelines and recruitment of Assistant Professors to these schools of the university
Coordinator of Committee formulated to implement NEP 2020 with relevant changes	University Level- MS University, Saharanpur	Responsible for implementation of NEP 2020 with relevant changes in the L-4 point, for the academic session 2024-25

Chairman, Executive Committee for Formulation or Roster and Other Related proforma for Newly Created Posts of Assistant Professor(s)	University Level- MS University, Saharanpur	Oversaw adherence to affirmative action, diversity, and inclusion policies within the roster and proforma design, ensuring compliance with applicable regulatory and institutional standards.
Assistant Coordinator Admission (2022-23) MS University, Saharanpur	University Level- MS University, Saharanpur	Promotion/ Initiation of online system- based admission into affiliated colleges for easy mapping of students
Member, Student Welfare and Compliance Oversight Committee Constituted for Doon Group of Colleges, Saharanpur	University Level- MS University, Saharanpur	Evaluated the alignment of the institution's practices with state and national educational guidelines, specifically around fee structures and student rights.
अध्यक्ष, प्रथम अध्यादेश, प्रथम परिनियमावली एवं विनियम प्रारूप निर्माण समिति MS University, Saharanpur	University Level- MS University, Saharanpur	Successfully led the team that formulated drafting of Statutes of the university
चुनाव पर्यवेक्षक, Management Committee,	University Level- MS University, Saharanpur	Ensured fair and transparent election to various management posts in various affiliated college(s) of the MS University, SRE.
अध्यक्ष, माँ शाकुम्भरी विश्वविद्यालय – Teacher Welfare Fund Regulation formation committee, MS University, Saharanpur	University Level- MS University, Saharanpur	Leading a committee for adoption of new and beneficial rules regarding Teacher welfare in the university
विश्वविद्यालय प्रतिनिधि, विभिन्न पाठ्यक्रमों की विभिन्न महाविद्यालयों में अग्रेतर सम्बद्धता हेतु निरीक्षण मण्डल MS University, Saharanpur	University Level- MS University, Saharanpur	<u>As a university nominee oversaw the approval of about 55 different courses across 16 Self-Financed Colleges</u>
नामित विशेषज्ञ, प्राचार्य चयन हेतु विभिन्न स्ववित्तपोषित महाविद्यालयों में MS University, Saharanpur	University Level- MS University, Saharanpur	<u>As a Nominated Subject Expert, oversaw the appointment of Principals in 18 Self -Financed Colleges</u>
Member, University Sports Council, MS University, Saharanpur (Sessions- 2021-22, 2022-23 & 2023-24)	University Level- MS University, Saharanpur	Organized the largest athletic meet of the university for two consecutive years
Member, Examination results reforms committee, MS University, Saharanpur	University Level- MS University, Saharanpur	Reformed the existing results pattern of the university

Role in University Exams	University Level- CCS University, Meerut	1. Assistant Superintendent (2008-09, 2010-11, 2014-16, 2017-18) 2. Additional Senior Superintendent (2021, 2022) 3. Senior Superintendent (Oct. 2019)
Guidance of Research Students	University and College Level	Number of Post Graduate Level Research Students Guided – 10
Member, Research Degree Committee (RDC), CCS University, Meerut	University Level- CCS University, Meerut	Internal Member of Research Degree Committee in subject of Genetics and Plant Breeding for two years
Tabulator	University Level- CCS University, Meerut	CCS University, Main Examination, 2010 and 2011
Member board of studies CCS University Meerut	University Level- CCS University, Meerut	Member board of studies CCS University Meerut from 22-12-2003 to 21-12-2005
NSS Programme officer	R.K.(P.G.) College, Shamli	From 24-09-2011 to 08-10-2013
Proctor	R.K.(P.G.) College, Shamli	Session(s) 2004-05, 2011-12, 2017-18
Head Department of Agricultural Botany (Genetics & Plant Breeding)	R.K.(P.G.) College, Shamli	Dec 2001 to Dec 2021
Research Journal Editor	Frontiers in Crop Improvement	Since Jan 2015 onward. It is a NAAS rated peer reviewed journal

Teaching Experience

Lecturer (Perm.)	Secretary, Management Committee	12-01-2000	R.K. (P.G.) College, Shamli	Selected by UPHESC, Secured first position
Senior Lecturer	Secretary, Management Committee	12-01-2004	R.K. (P.G.) College, Shamli	Promotion through CAS
Reader	Secretary, Management Committee	12-01-2009	R.K. (P.G.) College, Shamli	
Associate Professor	Secretary, Management Committee	12-01-2012	R.K. (P.G.) College, Shamli	
Professor	Secretary, Management Committee	01-11-2021 to 04-12-2021	R.K. (P.G.) College, Shamli	On 4-12-2021 joined GMV, Rampur Maniharan as Principal, Selection through UPHESC

Principal	Secretary, Management Committee	04-12-2021 To till Date	Gochar Mahavidyalaya Rampur Maniharan, Saharanpur	Through recruitment By UPHESC Prayagraj (U.P.)
------------------	---------------------------------------	--------------------------------	---	--

Pioneering Socio-Educational Transformation Initiatives

- **President, Shiksha Sanskriti Utthan Nyas, Meerut Prant (17th June, 2024 -Continue till date):** Spearheaded educational programs and initiatives in the Meerut region, deeply rooted in India's cultural heritage and values.
- Contributed thought leadership at the **National Abhyas Varg** (14th – 17th June, 2024) in Ranchi, advocating for educational reforms that honour and elevate Indian culture, language, and traditions.
- Partnered with key educational and cultural organizations to champion the promotion of native language, literature, and national ideals at both grassroots and institutional levels.
- Led the successful organization of a **Sah-Abhyas Varg** (3rd -4th Aug, 2024) at JV Jain College, Saharanpur, while facilitating numerous conferences, seminars, and events aimed at promoting culturally relevant education and preserving traditional knowledge systems.
- Successfully organized an Abhyas Varg from 30-31 March 2025 at Shukratal, Muzaffarnagar

Educational Details

S. No	Examinations Passed	Board/ University	Year of completion	Division Marks (%)	Subject	Honors /Specialization
1	High School	U. P. Board Allahabad	1985	I (60.63)	Agriculture	1. Mathematics
2	Intermediate	U. P. Board Allahabad	1987	I (69.30)	Agriculture	1. Ag. Climatology, 2. Ag. Maths & Statistics, 3. Ag. Zoology 4. Animal Husbandry
3	B. Sc. (Ag.) Hons.	Meerut University, Meerut	1990	I (66.48)	Agriculture	Agonomy
4	M. Sc. (Ag.)	IAS, Meerut University, (Campus)	1992	I (63.85)	Ag. Botany	Genetics & Plant Breeding
5	Ph. D	Banaras Hindu University, Varansi	2000	I (68.30)	Genetics & Plant Breeding	Pigeon-pea Breeding
6	NET	ICAR (ASRB)	1996	-	Plant Breeding	---

Doctor of Philosophy (Ph.D.) in Genetics and Plant Breeding

- Research Topic: "Genetic analysis of resistance to pod fly and its relation with yield components in pigeon pea [*Cajanus cajan* (L.) Millsp.]."
- Research focus: Plant genetics, crop improvement, pest resistance.

Master of Science (M.Sc.) in Agriculture (Ag. Botany)

- Specialization: Genetics & Plant Breeding
- Research Topic: "Effects of Rht dwarfing genes on wheat grain yield and its components under late sown conditions."

Fellowships, Awards and Memberships

➤ **Fellowships (for studies)**

1. National Merit Scholarship during B.Sc. (Ag.) (Hons.), by UP Government.
2. S.J.Jindal Trust Scholarship during M.Sc. (Ag.).
3. B.H.U. Merit Scholarship during Ph.D. Programme.

➤ **Fellows:**

1. **FISPR** (Indian Society of Pulses Research and Development, IIPR Kanpur, UP.
2. **FSSDAT**(Society for Scientific Development in Agriculture and Technology, MEERUT)

➤ **Award:**

Excellent teaching award by SSDAT(Society for Scientific Development in Agriculture and Technology) in 2017 at International Conference (GRISAAS-2017) 02-04 December 2017 at MPUAT, Udaipur (Rajasthan).

➤ **Life Memberships of Professional Societies**

1. Indian Society of Agricultural Sciences (Publications: Annals of Agricultural Research).
2. Indian Society of Genetics and Plant Breeding (Publications: The Indian Journal of Genetics and PlantBreeding).
3. Indian Society of Pulses Research and Development (Publications: Journal of Food Legumes).
4. Indian Society of Plant Genetic Resources,Pusa New Delhi.
5. Society for Plant Biochemistry and Biotechnology,Pusa New Delhi.
6. Indian Society of Plant Physiology,Pusa New Delhi.
7. Society for Scientific Development in Agriculture and Technology, Meerut UP.
8. The Indian Science Congress Association, Kolkata.
9. The Association of sugarcane Technologist of India, IISR Lucknow. (Nov 2017).

Research supervision

A. Supervised As Guide:

1. **Sushil Kumar (2004).** Studies on the evaluation of promising wheat (*Triticum aestivum* L.) genotypes under ecological parameters of Western Plains of U.P.
2. **Anuj Kumar (2004).** Studies on the screening of promising Chickpea (*Cicer arietinum* L.) cultivars of northern western.
3. **Samarendra Nath Roy (2005).** Evaluation of promising wheat (*Triticum aestivum* L.) genotypes under different levels of sulphur.

B. As a member of advisory committee of M.Sc.(Ag) student:

1. **Narendra Kumar (2004).** Studies on integrated nutrient management in Chickpea (*Cicer arietinum* L.) under irrigated tracts of Western Uttar Pradesh.
2. **Amarjeet Kumar Singh (2004).** Studies an integrated nutrient management in wheat (*Triticum aestivum* L.)
3. **Jai Prakash (2004).** Evaluation of Promising (*Triticum aestivum* L.) varieties under different water regimes in Western Plains of U.P.
4. **Vikash Singh (2005).** Studies on irrigation regimes and fertility levels in wheat (*Triticum aestivum* L.) under Western Plains of U.P.
5. **Sudhir Kumar Verma (2005).** Studies on evaluation of different planting procedures and fertility levels in wheat (*Triticum aestivum* L.) under ecological parameters of Western U.P.
6. **Bhupendra Kumar (2006).** Studies on Integrated Phosphorus management in wheat (*Triticum aestivum* L.)
7. **Suryaveer (2020).** Integrated nutrient management in wheat (*Triticum aestivum* L.)

Participation in Conferences, Orientations and Refresher Courses

CONFERENCE ATTENDED:

A. International Conferences:

1. 4th International Food Legumes Research Conference [IFLRC IV] at IARI, New Delhi held on October 18-22, 2005.
2. International Conference on Grain Legumes: Quality Improvement, Value Addition and Trade, February 14-16, 2009, at IIPR, Kanpur [India].
3. International Conference on Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2017) 02-04 December 2017 at MPUAT, Udaipur (Rajasthan).
4. International Conference on Genomics & Plant breeding for Crop Improvement. 04-06 December 2019 at Department of Genetics and Plant Breeding, C.C.S. University, Meerut.

B. National Conferences/Symposium:

1. National Symposium on Legumes for Sustainability: Emerging Challenges and Opportunities at IIPR, Kaptur November 03-05, 2007.
2. राष्ट्रीय वैज्ञानिक संगोष्ठी: राष्ट्रीय विकास की 21वीं सदी में जैव प्रौद्योगिकी की भूमिका |स्थान: सरदार वल्लभ भाई पटेल कृषि एवं प्रौद्योगिकी विश्वविद्यालय, मेरठ मार्च 15-16, 2008
3. National Symposium on Genomics and Molecular Breeding at Department of Genetics and Plant Breeding. CCS University, Meerut on March 28-29, 2016.
4. National Conference on Innovative and Current Advances in Agriculture and Allied Sciences at Professor Jayashanker Telangana and State Agriculture University, Rajendra nagar. Hyderabad (Telangana) on December. 10-11, 2016
5. National Conference on Interdisciplinary Exploration in Science: from basic to advanced research and innovation at R K (PG) College, Shamli, Uttar Pradesh, India, 13-14 Nov, 2024;
6. In Second National Genetics Congress, Dec. 11-13, 2024, New Delhi
7. National Conference on Current Issues and Challenges in Agri and Bio Sciences at R K (PG) College, Shamli, Uttar Pradesh, India, 21-22 Feb, 2025

Participation in orientation and refresher courses:

1. Four-week UGC Sponsored **Orientation Programme** from 12-12-2002 to 9-01-2003 at UGC-ASC, Jamia Milia Islamia, New Delhi.
2. Three-week refresher course in “**Agricultural Sciences**” from 05-10-2004 to 27-10-2004 at UGC-ASC, AMU, Aligarh.
3. Three-week refresher course in “**Environmental Awareness**” from 01-12-2008 to 20-12-2008 at UGC-ASC, H.P. University, Shimla.
4. Three-week refresher course in “**Research Methodology in Agricultural Sciences**” from 02-12-2009 to 22-12-2009 at UGC-ASC, AMU, Aligarh[UP]
5. Three weeks ICAR-IISR, Lucknow: winter school on “**Novel genomic tools and breeding approaches for sugar crop improvement**” from 09/09/2014 to 29/09/2014.
6. Two days training for NSS program officer organized by CCS University, Meerut held on 19 & 20 December. 2011.
7. One-week short term course in “**Software Technology**” from 20.10.2016 to 26.11.2016 at UGC – HRD Centre, KU Kurukshetra.
8. One-week short term course in “**Gender Sensitization & Diversity Management**” from 21.11.2016 to 26.11.2016 at UGC-HRDC KU, Kurukshetra.
9. Ten days short course on “**Modern Genomic Tools and Breeding Strategies for Biotic and Abiotic Stress Management in Sugarcane**”, at IISR, Lucknow from 25-10-2017 to 03-11-2017.

Publications

Summary of Publications:	1. <u>Number of Books Published with ISBN at National Level</u>	31	1. 24 Books in Hindi Language 2. 7 Books in English Language 3. Six book chapters in Edited Books
	2. <u>Research Papers published in National and International Journals</u>	33	
	3. <u>Number of Book Chapters</u>	6	
	4. <u>Number of Popular Articles</u>	12	
	5. <u>Number of Papers/Posters/Presentations in National/International Conferences/Seminar/Symposium</u>	16	

LIST OF PAPERS PRESENTED in CONFERENCES:

A. International conferences:

1. Rani Rajni, Singh P.K., **Singh Omkar** and Vedpal 2005. Impact of integrated N management on soil Environment and produce quality in late sown wheat (*Triticum aestivum* L.). *International conference on soil water and environment quality issues and strategies*. Jan.28 to Feb.01, 2005; at IARI, New Delhi.
2. **Singh Omkar**, Singh M.N. Singh U.P.2005. Combining ability analysis in long duration pigeon pea [*Cajanus cajan* (L.) Millsp.]. *4th International Food Legumes Research Conference (IFLRC IV)* at IARI, New Delhi held on October 18-22, 2005. 147.
3. **Singh Omkar**, Rani Rajni, Singh P.K. 2005. Genetic architecture of yield and its associated traits in chickpea (*Cicer arietinum* L.). *4th International Food Legumes Research Conference [IFLRC IV]* at IARI, New Delhi held on October 18-22, 2005. 128.
4. **Singh Omkar** 2009. Combining ability analysis in chickpea (*Cicer arietinum* L.) *International conference on grain Legumes: Quality Improvement, Value Addition and Trade*, February 14- 16, 2009, at IIPR, Kanpur [India]. 113-114.
5. **Singh Omkar** and Rajni Rani 2017. Effect of sowing dates on yield and its components of hexaploid wheat Western Uttar Pradesh. *International Conference on Global Research*

Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2017) 02-04 December 2017 at MPUAT, Udaipur (Rajasthan) 428.

6. **Invited Lead full paper:** Singh S.P., Brijendra Singh P.B. **Singh Omkar**, Rajni Rani, Singh V.K., Sweta, Vishwas S.K., Malik Netrapal, Gupta Shobhana, Kasana B.S. and Kuldip. 2017. Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2017) 02-04 December 2017 at MPUAT, Udaipur (Rajasthan) 01-06
7. **Singh Omkar.** 2019. Agriculture Biotechnology: Tool for Crop Improvement. International Conference on Genomics & Plant breeding for crop Improvement. 04-06 December 2019 at Department of Genetics and Plant Breeding, C.C.S. University, Meerut. 136.

B. National conferences /seminars:

1. **Singh Omkar**, Singh P.K., Rani Rajni and Singh S. 2007. Genetic analysis of yield and yield traits in chickpea. in *National Symposium on Legumes for Sustainability: Emerging Challenges and Opportunities* at IIPR, Kanpur on November 03-05; 265-266
2. Prasad B.K., **Singh Omkar** and Kumar Bateshvar. 2008. मानव कल्याण में बायोटेक्नोलॉजी: आज और कल (complete lecture). राष्ट्रीय वैज्ञानिक संगोष्ठी: राष्ट्रीय विकास की 21वीं सदी में जैव प्रौद्योगिकी की भूमिका | स्थान: सरदार वल्लभ भाई पटेल कृषि एवं प्रौद्योगिकी विश्वविद्यालय, मेरठ में | March 15-16; 29-31.
3. **Singh Omkar**, Prasad B.K. and Singh R.K. 2008. आनुवंशिकी अभियांत्रिकी की 21वीं सदी में सम्भावनाएँ एवं चुनौतियाँ | राष्ट्रीय वैज्ञानिक संगोष्ठी: राष्ट्रीय विकास की 21वीं सदी में जैव प्रौद्योगिकी की भूमिका | स्थान: सरदार वल्लभ भाई पटेल कृषि एवं प्रौद्योगिकी विश्वविद्यालय, मेरठ में | : March 15-16; pages - 07-08.
4. Rajni Rani, M. S. Kakran, **Omkar Singh** and P. K. Singh 2011. महिला सशक्तिकरण: एक सच्चाई या कल्पित कथा: A National Seminar on वर्तमान परिदृश्य में महिला सशक्तिकरण, सक्षमता एवं दक्षता संवर्धन: 24-03-2011; pages- 72-74
5. Gangwar D.S., Katiyar R.R., Kumar Akhilesh, Singh Ram Subhag, Singh Mrigendra, and **Singh Omkar**. 2013. Field reaction of sesamum germplasm against leaf webber and pod borer, *Antigastra catalaunalis* (Dup) in 15th Indian Agricultural Scientists and Farmers congress on Agriculture and Global climate change 22-24 February 2013. page no. 43
6. **Singh Omkar** and Rani Rajni (2016). Effect of Foliar application on mineral nutrient on photography efficiency dry matter partitioning. In National Conference on Innovative and Current Advance in Agriculture and Allied Sciences at P.J.T. S.A.U; Rajendra, Hyderabad (Telangana): Pages- 72-73.

7. **Singh Omkar**, Mishra Sudershan and Pragati Kumari. (2024). National Conference on Interdisciplinary Exploration in Science: from basic to advanced research and innovation at R K (PG) College, Shamli, Uttar Pradesh, India, 13-14 Nov, 2024; pages 29-30
8. **Singh Omkar**, Mishra Sudershan, Pragati Kumari and Rani Rajni (2024). Systems Biology Insights into Genetic and Physiological Mechanisms of Abiotic Stress Tolerance, In Second National Genetics Congress, Dec. 11-13, 2024, New Delhi, page-104
9. Mishra Sudershan, **Singh Omkar**, Kumar Jayant and Pragati Kumari. (2025). Powering Wheat with Zinc: Biofortification strategies from foliar application to organic chelators In National Conference on Current Issues and Challenges in Agri and Bio Sciences at R K (PG) College, Shamli, Uttar Pradesh, India, 21-22 Feb, 2025; page : 150

➤ **List of paper published in journals:**

1. Balyan H.S. and **Singh Omkar**. 1994. Pleiotropic effects of GA-insensitive *Rht* genes on yield and its component characters in wheat. *Cereal Research Comm.***22** (3):195-200[Hungary]
2. **Singh Omkar**. 1995. The effect of Norin 10 dwarfing gene on grain yield and its components under latesown condition. *Applied Biology*.**5**[1-2]:01-04.
3. Kumar Akhilesh, Mathur Y.K., Rath S. and **Singh Omkar** 1997. Effect of coccinellid [Coccinellaseptempunctata (L.)] predation of the aphid population of Indian bean. *Annals of Agricultural Research*.**18**[3]: 318-320.
4. **Singh Omkar**, Singh U.P., Singh M.N. and Jain M.C.2002. Effects of pod wall thickness pod fly susceptibility in pigeonpea. *Journal of Applied Biology*. **12**[1-2]:07-08.
5. **Singh Omkar** and Singh U.P.2003. Inheritance of pod fly resistance in long duration pigeon pea [*Cajanus Cajan* (L.) Millsp.]. *Indian Journal of Genetics*.**63** [4]:350.
6. **Singh Omkar**. 2003. Biochemical basis of resistance in pigeonpea to podfly [*Melanagromyza obtusa* (Malloch.)]. *Annals of Agricultural Research*. New Series **24** [2]:372-374.
7. **Singh Omkar**. 2003. Inheritance of determinate plant growth habit in pigeonpea [*Cajanus cajan* (L.) Millsp.]. *Annals of Agricultural Research*. New Series **24** [3]:525-527.
8. **Singh Omkar**, Singh M.N., Singh U.P.2005. Inheritance of podlocule shape in long duration pigeonpea. *Indian Journal Pulses Research*.**18**(1): 71
9. Singh R. Balyan H.S. and **Singh Omkar**. 2005. Nonhierarchical Euclidean cluster analysis in blackgram (*Vigna mungo* L. Hepper). *Annals of Agricultural Research*. New Series. 26 [2]:306-309.
10. Singh R.K. and **Singh Omkar** 2005. Genetic variation for yield and quality characters in mutants of aromatic rice. *Annals of Agricultural Research*. New Series. 26 [3]:406-410.

11. **Singh Omkar**, Singh R.K., Singh M.N. and Singh U.P. 2005. Genetics of biochemical and morphological traits podfly resistance and yield components in long duration pigeonpea [*Cajanus cajan* (L) Millsp.]. *Annals of Agricultural Research*. New Series. 26 [4]: 465-468.
12. Singh R.K., **Singh Omkar** and Prasad B.K. 2006. Heterosis in long grains aromatic rice for yield and quality components. *Annals of Agricultural Research*. New Series. **27[2]**:128-132.
13. Singh R.K. and **Singh Omkar** 2006. Inheritance of scent in long grains rice genotypes. *Annals of Agricultural Research*. New Series. **27[2]**:193-194.
14. Singh R.K. and **Singh Omkar**. 2006. Evaluation and characterization of scented rices for grain quality characters. *Annals of Agricultural Research*. New Series. **27[2]**:122-127
15. **Singh Omkar**, and Singh M.N. 2009. Combining ability analysis in pigeonpea. *Journal of Food Legumes*. 22(1):30-33.
16. Singh R.K., Prasad B.K. and **Singh Omkar**. 2010. Heterosis in scented rice [*Oryza sativa*] for yield and some quality characters. *Annals of Agricultural Research*. New Series. **31[3&4]**:70-74.
17. Kumar Sudhir, Kumar Subodh, **Singh Omkar** and Singh B.P. 2014. Effects of phosphorus and sulphur fertilizer on productivity and nutrient uptake of pigeon pea (*Cajanus cajan*). *Annals of Agricultural Research* (news series). **35(1)**:54-57.
18. Gangwar D.S. Singh Sandeep, Katiyar R.R., Kumar Akhilesh, Singh Ram Subhang, Singh Mrigendra, **Singh Omkar** and Rai V.P. 2014. Field reaction of sesamum germplasm against leaf webber and pod borer *Antigastra catalaunalis* (DUP). *J. Exp. Zool. India*. **17(2)**:837-841.
19. Singh S.P., Gaurav S.S., **Singh Omkar**, Singh S.B., and Singh Vishwajit. 2015. Pearl millet Breeding: Achievements, Strategies and Future Challenges - An overview. *Frontiers in crop Improvement*. **3(2)**: 101-105.
20. Vaddoria M. A., Patel N. B., Kulkarni G. U., Sharma L. K. and **Singh Omkar**. 2015. Seed yield and quality as influenced by plant growth regulators and stages of spray in major cucurbits- A review: *Progressive Research – An International Journal* .**10(3)**: 205-214.
21. Divya, **Singh Omkar**, Sweta and Yadav R. K. 2015. Variability, correlation and path analysis in garlic (*Allium sativum* L.). *Frontiers in Crop Improvement Journal*. **3(2)**:167- 169.
22. Kumar Sashi Bhushan, Verma D. K. Anshari Mohammad Shamim, Giri S. P., Brijendra, Patel Himanshu, Vishwakarma A. K. Singh V. K., Singh Y. K. and **Singh Omkar**. 2016. Spectral reflectance patterns for identification of nutrient stress-A brief review. *Progressive Research – An International Journal*. **11(Special-1)**: 185-188.
23. Brajendra Singh V. K., Singh Y. K., **Singh Omkar**, Vishwakarma AK and Sharma Meghna. 2016. WEB based DSS for lime Recommendation in acidic soils. *Progressive Research – An International Journal*. **11(Special -1)**: 242-244

24. Rana Rohit, **Singh Omkar**, Singh Gajendra, Sachan S.K., Singh D.V., Singh Rajendra and Kamal Khilari. 2016. Field screening of basmati rice germplasm against yellow stem borer (*Scirpophaga incertulus* Walker). *Progressive Research - An International Journal*.**11**(3):345-348.
25. Kumar Mukesh, **Singh Omkar**, Kushwaha Bitaram, Dwivedi V. K. and Singh S. P. 2016. Evaluation of genetic variability and yield stability in Chickpea genotypes. *Progressive Research – An International Journal*.**13**(3): 407-411.
26. Tripathi M.K., **Omkar Singh**, Baghel R.S., Singh S.P. and Ashok Ahuja. 2016. Conservation biotechnology for biodiversity of plant of medical and pharmaceutical importance suitable for cultivation in degraded and temperate areas. *Progressive Research – An International Journal*. **11**(4): 443-457.
27. Yadav Akhilesh Kumar, **Singh Omkar**, Vyas R.P. and Yadav V.K. 2016. Study of character association and path coefficient in rice. *Progressive Research – An International Journal*. **11**(4):498-501.
28. Sharma L. K., Kulkarni G.U., **Singh Omkar** and Mandavia Chetana. 2016. Effect of presoaking treatment and date of sowing with pretreatment of seedling with GA3 on seed germination *Progressive Research – An International Journal*.**11**(4): 645-648.
29. Kumar Sudhir, Singh A. K., Prakash Vinod, Khan Ashraf Ali, Mishra Manoj, Singh Y. K., Singh Raksha Pal, Singh Desh Pal, Singh R.K., **Singh Omkar** and Chauhan Rajesh Singh. 2018. Assessment of high yielding varieties in Chilli. *Progressive Research- An International Journal*. **13 special**: 611-612.
30. Singh Rampal, Singh Ompal, Rathore H. S., **Singh Omkar** and Singh R. P. 2019. Foliar Fertilization of vegetable and fruit plant. *Progressive Research- An International Journal*.**14 special-1**: 627-635.
31. Singh Pratap, Dwivedi V. K., Singh S. K. and **Singh Omkar**. 2021. Polygenic variability and genetic advance in Chickpea (*Cicer arietinum* L.) for yield in M2 and M3 generation. *Frontiers in Crop Improvement*. **9**(Special Issue II): 672-677.
32. Bhoot H. V., Kulkarni G. U., Patel J. V., Sharma L. K., Vaghasiya K. P., Patel V. S., Bhardwaj Gargi and **Singh Omkar**. 2021. Study of fresh seed dormancy in Sesame (*Sesamum indicum* L.) varieties. *Frontiers in Crop Improvement*. **9**(Special Issue IV): 1276-1278.
33. Bhoot H. V., Kulkarni G. U., Sharma L. K., Patel J. B., Usadad J. S., Mori R. B., Bhardwaj Gargi and **Singh Omkar**. 2021. Effect of Nipping on seed yield and component characters on Sesame (*Sesamum indicum* L.) varieties. *Frontiers in Crop Improvement*. **9**(Special Issue IV): 1279-1284.

➤ **Book Chapters:**

1. Pandey, Alok., Prithvi, Raj., Singh, Omkar and Mishra, Sudershan. 2024 Adopting agriculture to climate change: Strategies for sustainable and resilient food

- production. In Dixit, A.K., Singh, A. B. and Dubey, V. K (Eds) Non-Traditional Security Issues in India. Pp 422. (ISBN: 978-93-5909-716-9)
2. Singh, Omkar., Mishra, Sudershan, Pandey, Alok., Kumari, Pragati., and Rani, Rajni. 2024. Guaranteeing Food Security in India: Opportunities and Challenges. In Dixit, A.K., Singh, A. B. and Dubey, V. K (Eds) Non-Traditional Security Issues in India. Pp 422. (ISBN: 978-93-5909-716-9)
 3. Singh, Omkar., Priya, Komal. and Rani, Rajni. 2024. Challenges in achieving food security in India. In Dixit, A.K., Singh, A. B. and Dubey, V. K (Eds) भारत में गैर पारम्परिक सुरक्षा मुद्दे. Pp 392. (ISBN: 978-93-5909-180-8)
 4. Singh, P.K., Singh, Omkar. and Kishore, Raj. 2024. Concepts and Development of Human Rights: A new perspective. In Dixit, A.K., Singh, A. B. and Dubey, V. K (Eds) भारत में गैर पारम्परिक सुरक्षा मुद्दे. Pp 392. (ISBN: 978-93-5909-180-8)
 5. Mishra, S., Pragati, K., Guru, S. & Singh, Omkar. (2024). Chapter 22 Photosensory biology, photochemistry, and photobiology: a new approach toward plant breeding. In V. Rajput, A. Singh, K. Ghazaryan, T. Minkina & A. Al-Tawaha (Ed.), *Sustainable Agriculture: Nanotechnology and Biotechnology for Crop Production and Protection* (pp. 417-436). Berlin, Boston: De Gruyter
 6. Alam Naved, Danish Mohd. and Singh Omkar. 2025. Statistical Analysis of the Effect of Global Warming and Climate Change on Sugarcane cultivation in Western Uttar Pradesh. In Global Warming : Climate Changes and Environment Crisis. P & P Academy. Pp 97-108

➤ **Articles published in college magazines:**

1. Artificial seeds. *Gyan Jyoti*. (2000-2001).
2. Introduction of biotechnology and role in agriculture. *Gyan Jyoti*. (2000-2001) pp.24-33.
3. Use of haploids in crop Improvement. *Gyan Jyoti*. (2003-2004) pp22-23.
4. Herbicide resistance through genetic engineering. *Gyan Jyoti*. (2003-2004)pp101-103.
5. DNA and autoantibody fingerprinting. *Gyan Jyoti*. (2004-2005) pp. 41-45.
6. Bio-fertilizer and organic farming. *Gyan Jyoti*. (2006-2007) pp. 111-116.
7. Transgenic plant breeding. *Gyan Jyoti*. (2007-2008)pp 166-68.
8. Genetics of ABO Blood Group System in Human. *Gyan Jyoti*. (2008-2009)pp136-137.
9. The role of biotechnology in crop improvement. *Gyan Jyoti*. Vol.1. (2009-2010)pp129-133.
10. Nobel prize winners in microbiology, immunology and genetics. *Gyan Jyoti*. (2011-12)pp. 128-129
11. Woman and child welfare. *Gyan Jyoti*. (2016-17)pp 67-69
12. Role of information technology in environment and human health. *Gyan Jyoti*. (2016-17) pp. 70-72

➤ **List of books published (Hindi and English Medium)**

S. No.	Name of the Book	Year	Name of Authors	ISBN No.
1	कृषि वनस्पति विज्ञान	2005	ओमकार सिंह एवं ब्रहमसिंह	81-87254-44-0
2	पादप प्रजनन	2005	ओमकार सिंह एवं ब्रहमसिंह	81-87254-71-8
3	प्रारंभिक फसल शरीरक्रिया विज्ञान	2005	ओमकार सिंह एवं ब्रहमसिंह	81-87254-57-2
4	कोषिका विज्ञान एवं कोषानुवंधिकी	2006	ओमकार सिंह एवं ब्रहमसिंह	81-87254-77-7
5	जैव प्रौद्योगिकी वर्गिकी एवं पादप कार्यिकी	2009	ओमकार सिंह	81-87254-94-7
6	आनुवंषिकी के सिद्धांत एवं पादप अभिजनन	2009	ओमकार सिंह एवं ब्रहमसिंह	81-87254-93-9
7	आनुवंषिकी के सिद्धांत	2012	ओमकार सिंह एवं ब्रहमसिंह	81-87254-83-1
8	प्रक्षेत्र एवं उद्यानिकी फसलों का प्रजनन	2015	ओमकार सिंह	978-93-84479-11-1
9	पादप प्रजनन के सिद्धांत	2015	ओमकार सिंह एवं ब्रहमसिंह	81-87254-32-7
10	Genetics	2016	Omkar Singh	978-93-84479-64-0
11	फसल प्रजनन	2017	ओमकार सिंह	978-93-84479-78-7
12	उन्नतपादप प्रजनन एवं सस्य वर्गिकी	2017	ओमकार सिंह एवं ब्रहमसिंह	81-87254-88-2
13	आनुवंषिकी के मूलतत्व	2017	ओमकार सिंह एवं ब्रहमसिंह	978-93-84479-88-6
14	पर्यावरण विज्ञान एवं सस्य पारिस्थितिकी	2017	ओमकारसिंह एवं टी.बी. सिंह	978-93-84479-89-3
15	पदप कार्यिकी	2017	ओमकार सिंह	978-93-84479-87-9
16	पदप वर्गिकी	2017	ओमकार सिंह	978-93-84479-86-2
17	पादप जैव प्रौद्योगिकी	2017	ओमकार सिंह	978-93-84479-90-9
18	मौलिक पादप जैव रसायन एवं जैव प्रौद्योगिकी	2017	ओमकार सिंह, एन.एल.षर्मा एवं टी.बी. सिंह	978-93-84479-99-2
19	A text book of Crop Breeding	2017	Omkar Singh	978-93-84479-81-7
20	कृषि सुक्ष्म जैविकी	2018	ओमकार सिंह	978-93-87018-28-0
21	पर्यावरण अध्ययन एवं आपदा प्रबंधन	2018	ओमकार सिंह	978-93-87018-47-1
22	मौलिक फसल शरीर क्रिया विज्ञान	2018	ओमकार सिंह	978-93-87018-07-5
23	मौलिक अनुवांशिकी	2018	ओमकार सिंह एवं ब्रहमसिंह	978-93-87018-21-1
24	मौलिक पादप प्रजनन	2019	ओमकार सिंह एवं ब्रहमसिंह	978-93-87018-43-3
25	Fundamental of Plant Breeding	2019	Omkar Singh	978-93-87018-18-1
26	फसल उन्नयन-I (खरीफ फसले)	2019	ओमकार सिंह	978-93-88821-12-2

27	फसल उन्नयन-II (रबी फसले)	2020	ओमकार सिंह	978-93-88821-40-6
28	Crop Improvement II (Rabi Crops)	2020	Dr. Omkar Singh	978-93-88821-41-6
29	Agricultural Microbiology	2020	Dr. Omkar Singh	978-93-87018-45-2
30	Crop Improvement I (Kharif Crops)	2020	Dr. Omkar Singh	978-93-84479-60-2
31	Fundamentals of Genetics	2022	Dr. Omkar Singh	978-93-91057-32-9

Declaration:

I hereby declare that all the information's above are true to the best of my knowledge and belief. They may be supported by documentary evidences as when required.

Date:

Place: Rampur Maniharan, Saharanpur (UP)

Prof. (Dr.) Omkar Singh

Principal

Gochar Mahavidyalaya

Rampur Maniharan

Saharanpur, UP-247451

Affiliated to

Maa Shakumbhari University, Saharanpur