Faculty Profile on University Website

www.mjpru.ac.in

Title	Dr.	First Name	Sahadev	Last Name	Singh	Photograph
Designation		Assistant Professor (Contract)				
Department		Faculty of Agriculture Science & Technology				
Address (Residence)		Shivpuri Radholi, Faridpur, Bareilly-243506, Uttar Pradesh (India).				
Mobile		09760054279				
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Email		dr.ssy.gpb@gmail.com				
Web-Page		Orchid ID: https://orcid.org/0000-0002-7341-105X LinkedIn ID: https://www.linkedin.com/in/sahadev-singh-yadav-528323119/ ResearchGate ID: https://www.researchgate.net/profile/Sahadev-Singh				

Educational Qualifications (Graduation Onwards)

Course/Degree	Institution	Year	Details/Thesis Topic/Subjects
B. Sc (Ag.)	CCS University, Meerut	2014	Agriculture
M. Sc Ag. (G&PB)	CCS University, Meerut	2016	Genetics & Plant Breeding
M. Phil (G&PB)	CCS University, Meerut	2017	Genetics & Plant Breeding
Ph. D (G&PB)	CCS University, Meerut	2023	Genetics & Plant Breeding

Career Profile

Organization / Institution	Designation	Duration	Role
MJP Rohilkhand University, Bareilly	Assistant Professor	November, 2025 To till Date	Teaching and Research
Goldking Biogene Private Limited	Sr. Plant Breeder	May, 2024 To November, 2025	Research & Development
Meerut Institute of Technology	Assistant Professor	June, 2023 To May, 2024	Teaching and Research
Department of Seed Science, CCS University, Meerut	Visiting Faculty	September, 2018 To June, 2023	Teaching and Research

Research Interests / Specialization

Crop Improvement, Genetics, Plant Breeding, Mol. Plant Breeding, Plant Biotechnology, Seed Science & Technology

Teaching Experience (Subjects/Courses Taught)

06 years of teaching (UG & PG) and research experience

Honors & Awards

- Awarded by **VC Gold medal** for the Master of Science in Genetics & Plant Breeding from CCS University, Meerut.
- **DST INSPIRE Fellowship** awarded by the Department of Science & Technology (DST), Government of India.
- Received **Associate Scientist Award** from the Scientific Educational Research Society, Meerut (UP) India
- Best poster presentation award in 1st National Genetic Congress (1st NGC) on "Genetics for sustainable food, health and nutrition security" at ICAR-Indian Agricultural Research Institute, New Delhi during **14th to 16th December, 2018.**

Publications /Academic Activities (Numbers Only)

Research Papers Published in International Journals	**06**	**Paper/Poster Presented in Seminars/ Conferences**	**03**	**Workshops & Trainings**	**05**
Research Papers Published in Other Journals	**03**	**Seminar/ Conferences Attended**	**10**	**Faculty development Programs**	**03**
Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.	**07**	**Membership of Academic/ Professional Bodies**	**01**	**Database Contribution**	**01**

Details of Publications /Academic Activities (2018 Onwards)

(a) Papers Published in Indexed/ Peer Reviewed Journals

1. Vasistha, NK., Sharma, V., **Singh, S.**, Kaur, R., Kumar, A., Rawat, VK., Kumar, R. and Gupta, PK., (2024). Meta-QTL analysis and identification of candidate genes for multiple-traits associated with spot blotch resistance in bread wheat. *Scientific Reports* **14**: 13083. doi.org/10.1038/s41598-024-63924-w **(Impact Factor- 3.9).**
2. Gupta, PK., Vasistha, NK., **Singh, S**. and Joshi, AK., (2023). Genetics and breeding for resistance against four leaf spot diseases in wheat (Triticum aestivum L.). *Frontiers in Plant Science* 14: 892. doi:10.3389/fpls.2023.1023824 **(Impact Factor- 4.8).**
3. **Singh, S.,** Gaurav, SS., Vasistha, NK., Kumar, U., Joshi, AK., Mishra, VK., Chand, R., & Gupta, PK. (2023). Genetics of spot blotch resistance in bread wheat (Triticum aestivum L.) using five models for GWAS. *Frontiers in Plant Science*, 13. https://doi.org/10.3389/fpls.2022.1036064 **(Impact Factor- 4.8).**
4. Singh, K., Saini DK., Saripalli, G., Batra, R., Gautam, T., Singh, R., Pal, S., Kumar, M., Jan, I., **Singh, S.**, Kumar, A., Sharma, H., Chaudhary, J., Kumar, K., Kumar, S., Singh, VK., Singh, VP., Kumar, D., Sharma, S., Kumar, S., Kumar, R., Sharma, S., Gaurav, SS., Sharma, PK., Balyan, HS., Gupta, PK., (2022). "WheatQTLdb V2.0: a supplement to the database for wheat QTL." *Molecular Breeding 42, 56*. https://doi.org/10.1007/s11032-022-01329-1. **(Impact Factor- 3.0).**
5. Malik, P., Kumar, J., **Singh, S.**, Sharma, S., Meher, PK., Sharma, MK., Roy, JK., Sharma, PK., Balyan, HS., Gupta, PK., Sharma, S., (2021). "Single-trait, multi-locus and multi-trait GWAS using four different models for yield traits in bread wheat." *Molecular Breeding* 41, 46. https://doi.org/10.1007/s11032-021-01240-1 **(Impact Factor- 3.0).**
6. Singh, K., Batra, R., Sharma, S., Saripalli, G., Gautam, T., Singh, R., Pal, S., Malik, P., Kumar, M., Jan, I., **Singh, S.**, Kumar, D., Pundir, S., Chaturvedi, D., Verma, A., Rani, A., Kumar, A., Sharma, H., Chaudhary, J., Kumar, K., Kumar, S., Singh, VK., Singh, VP., Kumar, S., Kumar, R., Gaurav, SS., Sharma, S., Sharma, PK., Balyan, HS., Gupta, PK., (2021). "WheatQTLdb: a QTL database for wheat". *Molecular Genetics & Genomics,* PMID: 34115214. https://doi.org/10.1007/s00438-021-01796-9 **(Impact Factor- 2.1).**
7. Kumar, R., Singh, SK., **Singh, S.**, Kumar, A., and Kumar M., (2020). "Study of genetic Variability and Heritability of Yield and Its Components in forage Sorghum (*Sorghum bicolor* L. Moench)". *Journal of Pharmacognosy and Phytochemistry*, E-ISSN: 2278-4136, P-ISSN: 2349-8234, Vol 9 (5), pp. 3103-3106 **(Naas Rating-6.35).**
8. Kumar, A., Shukla G., **Singh S.,** Shri T., Kumar V., and Kumar M., (2018). "Use of Degenerate Primers for Molecular Identification of Begomovirus Associated with Yellow Vein Mosaic and Leaf Curl Disease of Okra in Meerut (UP)". *Global journal for research analysis*, ISSN No 2277 – 8160, Vol 7 (6), pp 2277 – 8160. **(Naas Rating-9.956).**
9. Kumar, A., Thapa, R.S., Mazeed, A. and **Singh, S.,** (2018). "Inhibtory effect of commercial fungicides against virulent isolate of *Rhizoctonia Solani*" *Journal of Pharmacognosy and Phytochemistry*, 7(3), E-ISSN: 2278-4136, P-ISSN: 2349-8234, Volume 7 (3), pp.1861-1863. **(Naas Rating- 6.35).**

(b) Research Article/Newsletter/Popular Article

1. **Singh, S.**, Gaurav, S.S., and Singh, S.P., "Participatory Plant Breeding: An Overview" International Conference on Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2019), 20th-22nd October, 2019, Lead Paper, pp-72-74, **ISBN**: 978-93-88821-26-2.
2. Gupta, P.K., Balyan, H.S., Sharma, P.K., Gaurav, S.S., Sharma, S., Kumar, R., Kumar, S., Sharma, S., Singh, K., Batra, R., Saripalli, G., Gautam, T., Singh, R., Pal, S., Jan, I., Rani, A., Kumar, A., Kumar, K., Kumar, M., **Singh, S.,** Kumar, S., Pratap, V., Sharma, H., Chaturvedi, D., Malik, P., Singh, V.K., Kumar, D., Pundir, S., Verma, A., Nagar, J., Bhadana, D., Kumar, S., Gaurav, A., Kumar, D., Chaudhary, R., Shayaba, Gahluat, V., Jaiswal, V., Saini, D., Kumar, J., Kumar, S., Mishra, R.P., and Singh, V.K. (2022). "Genetic, molecular breeding, and epigenetic studies for a variety of traits in wheat." **Annual Wheat Newsletter (AWN)**, Vol. 68, pp 13-25.

3. Gupta, PK., Balyan, HS., Sharma, PK., Gaurav, SS., Sharma, S., Kumar, R., Kumar, S., Sharma, S., Singh, K., Batra, R., Saripalli, G., Gautam, T., Rakhi, Pal, S., Jan, I., Rani, A., Kumar, A., Kumar, K., Kumar, M., **Singh, S.**, Kumar, S., Pratap, V., Sharma, H., Chaturvedi, D., Malik, P., Singh, VK., Kumar, D., Pundir, S., Verma, A., Nagar, J., and Bhadana, D., (2021). "Genetic, molecular breeding, and epigenetic studies for a variety of traits in wheat.". **Annual Wheat Newsletter (AWN)**, Vol. 67, pp 16-25.
4. Gupta, PK., Balyan, HS., Sharma, PK., Gaurav, SS., Sharma, S., Kumar, R., Kumar, S., Sharma, S., Singh, K., Batra, R., Saripalli, G., Gautam, T., Rakhi, Pal, S., Jan, I., Kumar, A., Kumar, K., Kumar, M., **Singh, S.**, Kumar, S., Pratap, V., Sharma, H., Chaturvedi, D., Malik, P., Singh, VK., Verma, A., Kumar D., and Saksham (2020). "Genetic and epigenetic studies for a variety of traits in wheat in genomics era". **Annual Wheat Newsletter (AWN)**, Vol. 66, pp 27-30.
5. A Hindi article published on "Insect and Disease Control in Mango Crop" in February 2017, issue: 2; pp 4-6 (Hindi magazine (Swabhiman Yug).
6. A Hindi article published on "Mango Crop Introduction in India" in February 2017, issue: 02; pp 15 (Hindi magazine (Swabhiman Yug).
7. A Hindi article published on "Pointed Gourd Crop in Kharif Season" in March 2017, issue: 03; pp 22-24 (Hindi magazine (Swabhiman Yug).

(c) Poster Presentations

1. Towards GWAS for resistance to spot blotch in bread wheat (*Triticum aestivum* L.)" in International Conference on Genomics and Breeding for crop improvement (ICGB-2019) during 04-06 December, 2019.
2. GWAS for Spot Blotch Disease in Wheat using GAPIT with SUPER and FarmCPU Model" in an international web Conference on Perspective on Agricultural and Applied Sciences in Covid-19 Scenario (**PAAS-2020**), during 04-06 October, 2020.
3. Association Mapping for Spot Blotch Disease in Wheat (*Triticum aestivum* L. em. Thell)." 4th International Conference on Global Approaches in Natural Resources Management for Climate Smart Agriculture (**GNRSA-2021**) during Pandemic Era of COVID-19, during 26-28 February, 2021.

(d) Abstract Published

1. **Singh, S**, Vasistha, N.K., Sharma, P.K., Mishra, V.K., Chand, R. and Joshi, A.K., (2018). "Validation of multiple disease resistant genes using SSR/STS markers in three-way cross population of wheat [*Triticum aestivum* (L.) em. Thell]." 1st National Genetics Congress on Genetics for Sustainable Food, Health, and Nutrition Security during 14-16 December, 2018, organized by Indian Society of Genetics & Plant Breeding (ISGPB) IARI, Pusa, New Delhi (India), pp 199.
2. **Singh, S.**, and Gaurav, S.S., (2019). "Biofortification: A Nutritional Revolution." International Conference on Global Research Initiatives for Sustainable Agriculture & Allied Sciences (GRISAAS-2019) during 20-22 October 2019, organized by ICAR-National Academy of Agricultural Research Management, Hyderabad, Telangana (India), pp 408-409.
3. **Singh, S.,** Gaurav, SS., Gupta, PK., and Singh, K., (2019). "Towards GWAS for resistance to spot blotch in bread wheat (*Triticum aestivum* L.)." International Conference on Genomics and Breeding for crop improvement (ICGB) during 04-06 December, 2019, organized by Department of Genetics & Plant Breeding, CCS University, Meerut, UP (India), pp 150.
4. Singh, K., Batra, R., Sharma, S., Saripalli, G., Gautam, T., Singh, R., Pal, S., Kumar, P., Kumar, M., Jan, I., **Singh, S.**, Chaturvedi, D., Sharma, H., Kumar, S., Singh, VP., Kumar, D., Saksham, Kumar, A., Kumar, K., Rani, A., Singh, VK., Verma, A., Jyoti, Kumar, S., Kumar, R., Sharma, S., Sharma, PK., Balyan, HS., Gupta, PK., (2019). "WheatQTLdb: A QTL Database for Wheat". National Symposium on Database Development and Biocuration (NSDDB) during 17-18 December, 2019, organized by Department of Plant Molecular Biology University of Delhi South Campus, New Delhi (India), pp 27.

5. Kumar, A., Shri, T., Gaurav, S.S., **Singh, S.**, and Kumar, M., (2020). "Morphological Characterization and yield traits analysis in some parental crosses of okra (*Abelmoschus esculentus* L.)". 5th Global outreach Conference on Modern approaches for smart agriculture (MASA-2020), during 28-29 February, 2020, organized by School of biological engineering & life sciences, Shobhit Institute of Engineering and Technology (Deemed-to-be-University), Meerut, India, pp 100.
6. **Singh, S.**, Gaurav, S.S., and Gupta, P.K., (2020). "GWAS for Spot Blotch Disease in Wheat using GAPIT with SUPER and FarmCPU Model." International web Conference on Perspective on Agricultural and Applied Sciences in Covid-19 Scenario (PAAS-2020), during 04-06 October, 2020, organized by Agricultural & Environmental Technology Development Society (AETDS), US Nagar, Uttarakhand, India, pp 276-277.
7. Kumar, A., Shri, T., Gaurav, S.S., **Singh, S.**, and Kumar, M., (2020). "Exploitation of General and Specific Combining Ability in okra (*Abelmoschus esculentus* L.)". International web Conference on Perspective on Agricultural and Applied Sciences in Covid-19 Scenario (PAAS-2020), during 04-06 October, 2020, organized by Agricultural & Environmental Technology Development Society (AETDS), US Nagar, Uttarakhand, India, pp 332.
8. **Singh, S.**, Gaurav, S.S., and Gupta, P.K., (2021). "GWAS for Spot Blotch Disease in Wheat (*Triticum aestivum* L. em. Thell)". 4th International Conference on Global Approaches in Natural Resources Management for Climate Smart Agriculture (GNRSA-2021) during Pandemic Era of COVID-19, during 26-28 February, 2021, organized by Shobhit Institute of Engineering and Technology (Deemed-to-be-University), Meerut, India, pp 233, ISBN: 978-81-948799-5-4.

(e) Seminars/Conferences/Workshops/Trainings/Extension Activities

1. **Acted as a rapporteur** during the technical session 6th in "International Conference on Genomics and Breeding for crop improvement (ICGB)" organized by Department of Genetics & Plant Breeding, CCS University, Meerut, UP during **04th to 06th December, 2019.**
2. Worked **as a member** in local **organizing committee** (accommodation & transport) in "International Conference on Genomics and Breeding for crop improvement (ICGB)" organized by Department of Genetics & Plant Breeding, CCS University, Meerut, UP during **04th to 06th December, 2019.**
3. **Four-weeks (10th June to 3rd July, 2021)** online **certification course** on the topic "Kitchen Gardening Management & Its Benefits in Pandemic Situation" from Career Point University, Kota (Rajasthan).
4. Acted as a **Volunteer in Science Week Festival** (22nd to 28th February, 2022), Vigyan Sarvatra Pujyate: Festival of SCoPE, sponsored by Vigyan Prasar, GOI and organized by Ch. Charan Singh University, Meerut (UP) India, C.C.S. University, Meerut (UP) India.
5. Participated in two days **Research Facility Training** program under SERB-Scientific Social Responsibility policy on "Study of Genetic Variability and Distribution of Begomoviruses Associated with Enation Leaf Curl Disease of Okra in India" organized by Department of Genetics & Plant Breeding, Ch. Charan Singh University, Meerut (UP), India on **21st to 22nd March, 2022.**
6. Acted as a **Volunteer in seven days training program** (21st to 27th January, 2023), sponsored by DST-STUTI, organized by department of Genetics and Plant Breeding, CCS University, Meerut in collaboration with Jamia Hamdard University, Delhi.
7. Acted as a **Volunteer** in two days 7th International conference on iAbAsSd-2023 during 24-25th March 2023 at GBPUA&T, Pant Nagar (UK).
8. Acted as a resource person: I conducted a laboratory session on "***In-silico* Prediction of Genes in Plants**" in Synergistic Training Program Utilizing the Advanced Research Instrumentation (Seven days training program from 21-27 January, 2023), sponsored by DST-STUTI (DST-Synergistic Training Program Utilizing the Scientific and Technological Infrastructure), organized by department of Genetics and Plant Breeding, CCS University, Meerut in collaboration with Jamia Hamdard University, Delhi (UGC) and organized by the Department of Botany, R.G. (P.G.) College, Meerut, U. P.

9. Participated in Theoretical and practical course on "**Insecticidal proteins: Application and Regulatory issues**" (Nov. 12-23, 2007). Organized by International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, India.
10. Participated in workshop on Theoretical and practical course on **"Transgene Expression in Plants**" **(**Nov.03-14, 2008). Organized by International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, India.
11. Participated in a training programme on "**Capacity Building in Plant Taxonomy**" (Sep.27- Oct. 8, 2010. Organized by Botany Division, Forest Research Institute, Dehradun. Sponsored by the Department of Science and Technology, Government of India, New Delhi.
12. Participated in Workshop on **"Recombinant DNA Technology"** (June. 03-12, 2005) organized by 'Central Facility for Biotechnology Teaching and Research', Daniel Model School Campus, Palkalie Nagar East, Madurai-625021, Tamil Nadu.
13. Participated in Workshop on **"Scientific Paper Writing"** organized by 'The National Academy of Science India (NASI). From October 22-24, 2011 at Allahabad.

(f) Other Academic Contribution

WheatQTLdb is a manually curated QTL database for wheat that includes information about QTL identified through interval mapping and MTA identified using GWAS. The available information on metaQTL, epistatic QTL and candidate genes, wherever available, is also included in the database.

I contributed in this database for preparing the list of QTLs resistance to fungal diseases in biotic stress. This database is available for download or search from the webserver **http://www.wheatqtldb.net/.**

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