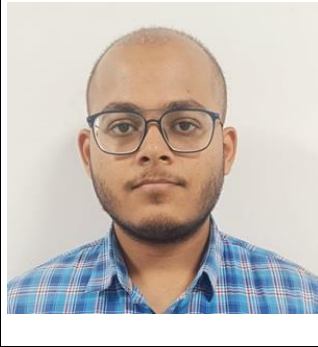




महात्मा ज्योतिबा फुले  
कृषिविद्यालय, बरेली

## Faculty Profile on University Website

www.mjpru.ac.in

Title	Dr.	First Name	Sourav	Last Name	Panigrahi	Photograph			
Designation		<b>Assistant professor (On-contractual)</b>							
Department		<b>Bioinformatics and Computational Biology</b>							
Address		<b>MJPRU, Bareilly</b>							
(Campus)									
(Residence)		<b>36, Tulsi nagar, Bareilly</b>							
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(Campus)									
(Residence)									
Mobile		<b>7008838484</b>							
Fax		<b>NA</b>							
Email		<b>panigrahisourav@gmail.com</b>							
Web-Page									
<b>Educational Qualifications (Graduation Onwards)</b>									
Course/Degree		Institution		Year		Details/Thesis Topic/Subjects			
<b>B.Sc. (Ag)</b>		<b>OUAT, Bhubaneswar</b>		<b>2013-17</b>		<b>Agriculture</b>			
<b>M.Sc. (Ag)</b>		<b>RPCAU, Samastipur</b>		<b>2017-20</b>		<b>Agricultural biotechnology</b>			
<b>Ph.D</b>		<b>CCSHAU, Hisar</b>		<b>2020-24</b>		<b>Molecular biology and biotechnology</b>			
<b>Career Profile</b>									
Organization / Institution		Designation		Duration		Role			
<b>Research Interests / Specialization</b>									
<b>Molecular biology, Functional genomics, Molecular breeding</b>									
<b>Teaching Experience (Subjects/Courses Taught)</b>									
<b>Honors &amp; Awards</b>									
DBT PG fellowship (2017), CSIR-JRF/NET (Life sciences) (June 2017, June 2018), DBT-JRF (2019), GATE (Life science) (2020)									
<b>Publications /Academic Activities (Numbers Only)</b>									
<b>Books &amp; Monographs (Single Author)</b>		<b>Research Papers Published in International Journals</b>	<b>11</b>	<b>Papers Presented in Seminars/ Conferences</b>	<b>2</b>	<b>Seminars/ Conferences Organized</b>		<b>Research Projects (Completed)</b>	
<b>Books (Co-authored)</b>		<b>Research Papers Published in Other Journals</b>	<b>1</b>	<b>Seminar/ Conferences Attended</b>	<b>3</b>	<b>Workshops Organized</b>		<b>Research Projects (Ongoing)</b>	
<b>Books (Edited)</b>		<b>Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.</b>		<b>Sessions Chaired in Seminars/ Conferences</b>		<b>Membership of Academic/ Professional Bodies</b>		<b>Foreign Countries Visited for Academic Assignments</b>	
<b>Chapters in Edited Books</b>	<b>4</b>			<b>Resource Lectures Delivered</b>					

Details of Publications /Academic Activities (2010 Onwards)

(a) Books / Monographs

Year of Publication	Title	Publisher	ISBN	Co-Author (s) (if any)

(b) Papers Published in Indexed/ Peer Reviewed Journals

Year of Publication	Title	Journal	ISSN/ Indexing	Co-Author (s) (if any)

(c) Articles

- Panigrahi, S., Pankaj, Y. K., Kumar, V., Kumar, R., & Singh, S. K. (2022). Studies on effects of terminal heat stress on yield stability, grain iron and zinc contents in wheat (*Triticum aestivum* L.). *Indian Journal of Genetics and Plant Breeding*, 82(03), 289-298. <https://doi.org/10.31742/ISGPB.82.3.3>
- Pankaj, Y. K., Kumar, R., Pal, L., Gill, K. S., Nagarajan, R., Kumar, V., & Panigrahi, S. (2022). Performance and yield stability of doubled haploid population of wheat (*Triticum aestivum* L.) under high-temperature regime. *Cereal Research Communications*, 50(4), 1185-1203. <https://doi.org/10.1007/s42976-022-00247-4>
- Pankaj, Y. K., Kumar, R., Pal, L., Gill, K. S., Nagarajan, R., Sangwan, S., Kumar, V. & Panigrahi, S. (2022). Mapping QTLs for morpho-physiological traits related to grain yield under late sown conditions in wheat (*Triticum aestivum* L.). *Cereal Research Communications*, 50(4), 779-788. <https://doi.org/10.1007/s42976-021-00234-1>
- Kumar, V., Kumar, R., Panigrahi, S., & Pankaj, Y. K. (2022). Molecular cloning and characterization of the wheat (*Triticum aestivum* L.) starch synthase III gene sheds light on its structure. *Cereal Research Communications*, 50(2), 199-209. <https://doi.org/10.1007/s42976-021-00182-w>
- Singh, Y., Kumar, U., Panigrahi, S., Balyan, P., Mehla, S., Sihag, P., Sagwal, V., Singh, K.P., White, J.C. & Dhankher, O. P. (2023). Nanoparticles as novel elicitors in plant tissue culture applications: Current status and future outlook. *Plant Physiology and Biochemistry*, 203, 108004. <https://doi.org/10.1016/j.plaphy.2023.108004>
- Duhan, N., Panigrahi, S., Pal, N., Saini, D.K., Balyan, P., Singh, Y., Mir, R.R., Singh, K.P., Kumar, S., Dhankher, O.P. and Kumar, U. (2024). Identification and expression analysis of genomic regions associated with the traits contributing to lodging tolerance in wheat (*Triticum aestivum* L.). *European Journal of Agronomy*, 154, p.127073. <https://doi.org/10.1016/j.eja.2023.127073>
- Panigrahi, S., Kumar, U., Swami, S., Singh, Y., Balyan, P., Singh, K.P., Dhankher, O.P., Varshney, R.K., Roorkiwal, M., Amiri, K.M., Mir, R.R. (2024). Meta QTL analysis for dissecting abiotic stress tolerance in chickpea. *BMC genomics*, 25(1), 439. <https://doi.org/10.1186/s12864-024-10336-9>
- Kumar, V., Nameirakpam, B., Murugesh, T., Pragya, P., Mishra, A., Panigrahi, S., Pankaj, Y.K., Kumar, R. (2024) Comprehensive analysis of wheat starch synthase III revealed existence of two copies differentially expressed under heat stress. *Cereal Research Communications*, 53, 193-209. <https://doi.org/10.1007/s42976-024-00553-z>
- Kumar, U., Panigrahi, S., Goswami, R., Singh, Y., Balyan, P., Kapoor, P., Kumar, S., Singh, K.P., Jan, F. & Mir, R. R. (2025). Enhancing wheat  $\beta$ -glucan content through precision crossbreeding: development and evaluation of biofortified lines with improved nutritional and agronomic traits. *Frontiers in genetics*, 16, 1532956. <https://doi.org/10.3389/fgene.2025.1532956>
- Singh, R., Kamboj, M., Kiran, Panigrahi, S., Langaya, S., & Chaurasia, H. (2025). Analysis of Genetic Variability for Grain Yield and Its Attributing Traits of Maize (*Zea mays* L.) Inbred Lines. *Journal of Advances in Biology & Biotechnology*, 28(4), 210–215. <https://doi.org/10.9734/jabb/2025/v28i42181>
- Rulhania, A., Panigrahi, S., Swami, S., Singh, Y., Balyan, P., Singh, K. P., Mir, R. R. & Kumar, U. (2026). Identification and expression analysis of putative genomic regions disseminating biotic stress tolerance in chickpea (*Cicer arietinum*). *3 Biotech*, 16(2), 81. <https://doi.org/10.1007/s13205-026-04698-y>
- Kapoor, P., Panigrahi, S., Singh, Y., Kumar, S., Singh, K. P., Jan, F., Mir, R. R. & Kumar, U. (2025). Biofortification of dietary fibre: exploring enhanced  $\beta$ -glucan and arabinoxylan content in a panel of *Triticum* and wild relatives. *Frontiers in Plant Science*, 16, 1660594. <https://doi.org/10.3389/fpls.2025.1660594>

(d) Seminar/Conference Presentations

“In-silico studies of structure and function of YSL gene family in wheat” in International Conference on “Food and Nutritional Security (iFANS-2023)”, during Jan. 6-9, 2023 at NABI Mohali.

“Analysis Of Heat Susceptibility With Relation To Yield And Grain Fe And Zn Content In Wheat” in International conference on “Strategies for global food and nutrition security, sustainability and wellness (NUTRI-2023)”, during December 04-06, 2023 at CCSHAU, Hisar

(e) Resource Lectures Delivered

<u>(f) Seminars/Conferences/Workshops Organized</u>
<u>(g) Public Service / University Service / Consulting Activity</u>
<u>(h) Memberships of Academic/Professional Bodies</u>
<b>Projects (With Title, Year, Grants, Funding Agency and Collaborations)</b>
<b>Administrative Positions/Assignments Held</b>
<b>Academic Foreign Visits</b>
<b>Any Other Details</b>

Signature of Faculty Member  
(in Hard Copy Only)

**Note: Please submit this file to E-mail ID: [rkg@mjpru.ac.in](mailto:rkg@mjpru.ac.in) through your own E-mail ID.**