CURRICULUM VITAE
OF
Dr. Pradeep Kumar Sharma

1. Present position : Vice Chancellor, Maharaja Suhel Dev State University Azamgarh (Uttar Pradesh)

2. Parental affiliation/address: Professor on leave / lien from Department of Genetics and Breeding, Ch. Charan Singh University, Meerut- 250004

3. Email :pks264@gmail.com

4. Academic Qualification : M.Sc. Ag., M.Phil., Ph.D. & N.E.T. in Genetics and Plant Breeding (throughout first class)

5. Academic positions held since November 1995 :

5.1. Professor (March 2010 to Date)

5.2. Reader/Associate Professor (March 2002 to March 2010)

5.4 Assistant Professor/Lecturer, R.A. and Part-time lecturer (November 1995 to March 2002)

(Total teaching and research experience as on Dec. 2021 : > 26 years)

6. Academic administrative positions held :

6.1. Dean, Faculty of Agriculture (for 3 years)

6.2. Head of Department (for ca. 11 years)

6.3. Chief Warden (for > 6 years)

6.4. Warden (for > 8 years)

6.5. Convener of Research Degree Committee (for ca. 11 years)

6.6. Convener of Board of Studies (for ca. 11 years)

6.7. Member of University Executive Council (Two terms, 2 years)

6.8. Member of University Academic Council (for > 15 years)

6.9. Member of University Examination Committee (for 3 years)

6.10. Convener/member of Department Committee (for > 11 years)

7. Other assignments undertaken :

7.1. Coordinator of Evaluation

7.2. Senior Superintendent of examinations of University Teaching Departments

7.3. Member of Institutional Ethical Committee

7.4. Member of Inspection Panels for granting affiliation to colleges

7.6. Coordinator of Scrutiny in University examinations-evaluations

7.7. Member of various other committees—Enquiry committees, Students' disciplinary committee, Convocation committees, Examinations unfair means committee, etc.

7.8. Observer in UP- C.P.M.T., UP State B.Ed. entrance test, UGC NET exams.

8. Students guided and supervised :

8.1. For Ph.D. degree 20

8.2. For M.Phil. degree 84

8.3. For M.Sc. Ag. degree 13

(Several Ph.D. students are due to submit their Ph.D. thesis soon)

9. Publications : 85 papers (including 80 research papers in national and international journals of repute, 02 popular articles and 3 book chapters) and **48 abstracts** in national and international conference proceedings up to 31 Dec.2021. **Quality Indicators of papers**—Citations >1100, i10=33, h-index=21, Impact factor—largely between 1.0 and 5.565

10. Research interests/ research work carried out:

- Characterization of genetic variability and genetic diversity in wheat; Study of gene effects for various economic/ agronomic traits; Selection of desirable and correlated traits, Study of effects of heat stress selection of heat tolerant genotypes in wheat; Study of heterosis; Analysis of multi-location yield trials and GE interaction; Study of allelic variation of ribosomal DNA loci and their role in adaptation and evolution of barley using RFLP markers.
- **Transcriptomics and molecular breeding in wheat:** Interval and association mapping of QTLs for various quantitative traits/ micronutrient traits; marker assisted breeding (marker assisted selection, gene introgression, pyramiding of genes) for rust diseases, drought tolerance and quality/protein content traits.
- **Bioinformatics (*in-silico* analyses):** Mining of orthologs for important traits, genome wide identification and analyses of gene families and candidate genes in wheat; development of QTL-database (WheatQTLdb, 2021)

11. Teaching subjects / Specialization: Plant Breeding, Biometrical genetics, Molecular genetics, Crop Biotechnology, Genomics and epigenomics, Molecular basis of quantitative inheritance, and Mutation research in crop improvement and genomics, Molecular breeding (marker assisted selection, gene introgression, pyramiding of genes, QTL mapping and GWAS).

12. Other academic activities :

12.1. Organized/attended many national and international conferences/symposia and workshops.

12.2. Revised syllabi of various degree program and formulated new syllabi to introduce new degree programs, as per CBCS of UGC.

12.3. Made nine MoUs with national and international institutes.

12.4. Handled five DBT and ICAR-NASF, Govt. of India sponsored (funded) network research projects (2 as PI and 3 as Co-PI).

12.5. Member/life member of several academic bodies, such as Indian Society of Genetics and Plant Breeding, Association of Microbiologists of India, Current Science Association, Member of Institutional Animal Ethical Committee (IAEC).

12.6. Delivered invited lectures, presented papers/ reports of research projects, chaired technical sessions in national and international conferences.

13. Awards / recognitions :

13.1. BOYSCAST Fellowship (DST, GOI) awarded for research-cum-advanced training at SCRI (now The James Hutton Institute), Dundee, Scotland, U.K.

13.2. Best poster award in 2016 in a national symposium at IARI, New Delhi.

13.3. Rastriya Gaurav award by India International Friendship Society, New Delhi

13.4. Several major grant-in-aid network research projects were awarded by DBT and ICAR-NASF, Govt. of India for research in wheat.

14. Fifteen important (recent) research publications

14.1. Meta-QTL analysis for stripe rust resistance in wheat. Scientific Reports 11(1) (2021). Impact Factor: 5.113

14.2. Single-trait, multi-locus and multi-trait GWAS using four different models for yield traits in bread wheat. Molecular Breeding 41(8) (2021) IF: 2.750

14.3. WheatQTLdb: A QTL database for wheat. Orcid id: https://orcid.org/0000-0001-7638-6171. Mol. Genetics and Genomics 296(5) (2021). IF: 3.257

14.4. Introgression of a drought insensitive grain yield QTL for improvement of four Indian bread wheat cultivars using marker assisted breeding without background selection. J. of Plant Biotech. & Biochem. 2021(30) IF: 1.238

14.5. Complex relationship between DNA methylation and gene expression due to *Lr28* in wheat leaf rust pathosystem. Molecular Biology Reports 47(2): 1339-1360 (2020), Impact Factor 2.107

14.6. Large-scale stage-specific regulation of gene expression during host-Pathogen interactions in CSP44 bread wheat carrying APR gene *Lr48.* Functional Plant Biology (2020) Impact factor 2.491

14.7. H3K4/K9 acetylation and Lr28-mediated expression of six leaf rust responsive genes in wheat (Triticum aestivum). Mol. Genetics and Genomics 249(1): 227-241 (2019). Impact Factor 2.734

14.8. Further studies on sugar transporter (SWEET) gene in wheat (*Triticum aestivum* L.). Mol. Biol. Reports: 46(2):2327-2353 (2019), Impact Factor 2.107

14.9. A study of transcriptome in leaf rust infected bread wheat involving seedling resistance gene *Lr28*. Functional Plant Biology **45**(10):1046-1064 (2018). Impact Factor 2.491

14.10. Genetics of Fe, Zn, β-carotene, GPC and yield traits in bread wheat (*Triticum aestivum* L.) using multi-locus and multi-trait GWAS and post-GWAS. ***Euphytica*** 214(11): 219 (2018). Impact Factor:1.546

14.11. Transcription activator-like effector nucleases (TALENs): an efficient tool For plant genome editing*. Engg. Life Sci., 16*, 330-337 (2016). Impact Factor:2.119

14.12. Heterosis for yield component traits and protein content in bread wheat under normal and heat-stress environment. *Cereal Research Commun.* 42(1): 151-162 (2014) Impact Factor: 0.708

14.13. Combining ability analysis of yield and protein content in bread wheat (*Triticum aestivum*L.). Indian J of Agric. Sci. 2014(84). Impact factor 0.31

14.14. Tomato leaf curl Joydebpur virus: a monopartite begomovirus causing severe leaf curl in tomato in West Bengal. *Archives of Virology* 158(1): 1-10 (2013). Impact Factor:2.111

14.15. Functional characterization of bC1 gene of cotton leaf curl Multan betasatellite. *Virus Gene* 46(1): 111-119 (2013). Impact Factor: 1.845.