

BRIEF BIO-DATA OF PROF. SHRAVAN KUMAR SINGH, DEPARTMENT OF GENETICS & PLANT BREEDING, B.H.U., VARANASI



1. **Name & address:** Dr. Shравan Kumar Singh, Professor, Department of Genetics & Plant Breeding, Institute of Agricultural Science, Banaras Hindu University, Varanasi-221005, India
2. **Date of Birth:** 01.04.1966
3. **Nationality:** Indian (Vill+Post Kachhwand(East), Dobhi, Keraket, Jaunpur, U.P.)-222149
4. **Father's Name:** Sri Dhananjai Singh
5. **Present Post:** **Professor of Genetics & Plant Breeding since Nov., 2006 at B.H.U., Varanasi**
6. **Academic Qualification:** First class at all levels from High school to Ph.D. with **merit scholarship of UP** Board in High School and with 4 out of 4 OGPA and **BHU Gold Medal in M.Sc.(Ag.)** Genetics & Plant Breeding, B.H.U., Varanasi
7. **Employment Record: Total service experience is 30 years**
 - i. For the last 13 years 5 months working as Professor of Genetics & Plant Breeding, B.H.U., Varanasi. (From 14th November 2006 till date)
 - ii. About 16 years and 6 months as Senior Scientist-cum-Associate Professor and Junior Scientist-Cum-Assistant Professor in the Department of Plant Breeding & Genetics, B.A.U., Ranchi(from 25th April 1990 to 13th Nov., 2006).
 - iii. During the period at B.A.U., Ranchi, I went on lien for **one year in foreign assignment** as Lecturer Plant Improvement at Higher Institute of Agriculture & Live Stock, **Kigali, Rwanda, Africa.**(from July 1999 to July2000).

8. Projects Handled / Handling:

At present I am handling 2 International and 1 DBT Projects as Principal Investigator;

1. Harvest plus networking programme to Develop High Zinc Rice for Eastern India (M-21/148) (ad-hoc project funded by IFPRI, Washington DC (**USA**) and CIAT-Columbia) (With Budget of **Rs.180.44 Lakhs** from 2016 to 2020).
2. Accelerated Genetic Gain in Rice(AGGRi), funded by **IRRI, Philippines** (With budget of US\$ 4000/ **Rs. 283320.00 per year from 2019**).
3. Development of superior haplotype based near isogenic lines (Haplo-NILs) for enhanced genetic gain in rice, funded by **DBT, Govt of India** (With budget of **Rs.123.87 Lakhs** from March 2020 to 2023).
4. Apart from above projects earlier, at B.H.U. and B.A.U., I have successfully handled 11 International and National projects as Principal Investigator / Project Incharge / Nodal Officer and 02 Projects as associated Breeder.

9. Administrative Experiences:

- i. **Professor In-Charge, Agriculture Farm, B.H.U.,** Varanasi since 12.05.2017 till date.
- ii. **Acting Head, Department of Genetics & Plant Breeding,** Institute of Agricultural Science, B.H.U., Varanasi, on 25, 26 and 29 Feb.,2019 and on 13-14 July, 2013.
- iii. **National Vice President,** Indian Society of Genetics and Plant Breeding, New Delhi from January, 2020 for 2 years term.
- iv. **Course Coordinator,** M.Sc. (Plant Bio-Technology) at Rajiv Gandhi South Campus, Barkachha under the control of the Department of Genetics & Plant Breeding, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi since 11.05.2017 to 12.11.2017.
- v. **Worked as Course Coordinator:** In the First Interdisciplinary Refresher Course in **Plant Science,** at **B.H.U.,** during 29th Nov. – 12th Dec., 2011 (**21 days**).
- vi. **Handled 11 Projects as Project Leader / Project I/C/ Nodal Officer. All projects delivered significant results in my leadership.**
- vii. Attended higher level training at **I.I.M., Lucknow,** India during October 18-22, 2010 on management development programme on “Leadership for Innovation in Agriculture”.
- viii. Attended Management Development Programme on “Biotechnology and Intellectual Property Rights” at **NAARM, Hyderabad** during July 8 – 12, 2013

10. Major contributions

- i. Released 2 Rice varieties “B.V.D. 109 and B.V.D. 110”** as a Co-Breeder at B.A.U. Ranchi which have been Notified by the Govt. Of India in 2005.
- ii. Released 1 Mustard variety “Shivani”** as a Main Breeder at B.A.U. Ranchi which has been notified by the Govt. of India in 2005 and very popular in Jharkhand.
- iii. Released 1 Niger variety “Birsa niger-2”** as a Co-Breeder at B.A.U. Ranchi which has been notified by the Govt. of India in 2004.
- iv. Organized Annual Workshop** of All India Coordinated Research Project on Rapeseed – Mustard as a Project Leader at B.A.U., Ranchi during August, 1998.
- v. In the history of B.H.U.,** I have developed 1st Hybrid rice (HURHS-17-1). This hybrid has been tested in All India Coordinated Trials of ICAR in the IVT-Hybrids in Kharif-2017 and has excelled the performance over best check hybrid US-312 at many centres even being finer and longer (LS) than check, but not at all the centres. I am hopeful to release it in Uttar Pradesh after proper testing.
- vi. My many rice varieties** are being tested in All India Coordinated Trials and performing well every year and I hope many new varieties to be released in my leadership at B.H.U., Varanasi in near future.
- vii. With the help of my ad-hoc projects** at B.H.U., I have **developed a molecular drought breeding laboratory** in the Department of Genetics & Plant Breeding which is helping M.Sc. / Ph.D. and experiential learning students for their training and thesis research.
- viii. As a Coordinator, Quality Assessment Cell,** Department of Genetics & Plant Breeding, B.H.U., Varanasi as per letter no. GPB/ 2014-15 / 784 / dated 06.01.2015, I worked hard to make the Department presentable before the NAAC, Committee of U.G.C., H.R.D., Govt. of India for presenting 5 years progress (2009 to 2014) of the Department and UGC team had given high rating to it.
- ix. Worked as Nodal Officer, Centennial Celebration Committee,** Department of Genetics & Plant Breeding as per letter no. GPB/ 2014-15 / 1002/ dated 25.03.2015.
- x. As Professor In charge, Agriculture Farm, B.H.U.,** I am working hard to enhance the cultivable land by minimum of 2 acres by renovating waste land which used soil of about Rs120.0 Lakhs but has been managed without any expenditure.
- xi. As a Nodal Officer of DUS-Test project Linseed,** I developed a Seed Testing Laboratory at B.A.U., Ranchi during 2004-2006.
- xii. At B.A.U., Ranchi,** due to successful story of N.S.P. in my leadership, ICAR sanctioned 2 additional ad-hoc projects in my leadership (i. DUS-Test on Linseed and ii. Poverty alleviation in tribal areas through quality seeds).
- xiii. My teaching** has always been appreciated by the students at all the institutions I worked viz., B.A.U., Ranchi, Higher Institute of Agriculture and Live Stock, Kigali, Rwanda, Africa and at B.H.U., Varanasi.

11. Award / Prize / Certificate won

- i. Best poster award in the International Rice Symposium-2015;** Nov., 18-20, 2015, at Indian Institute of Rice Research, Hyderabad.
- ii. B.H.U., Gold medal in M.Sc.(Ag.).**
- iii. Merit Scholarship of U.P. Board for High School.**

12. Foreign Exposures

- A. One Year:** Worked as a **Lecturer Plant Improvement** at Higher Institute of Agriculture & Live Stock, Kigali, **Rwanda, Africa** during **1999-2000**.
- B.** Participated in the “Molecular Breeding course in rice” at IRRI, Las Banos, Manila, **Philippines** during **2-13Sept., 2013**.
- C.** Participated in the 12th International Rapeseed Congress at **Wuhan, China** to present the research paper during 26-30th **March, 2007**.
- D.** HarvestPlus- Rice Crop Meeting at Dhaka, **Bangladesh**, during 21-23 October, 2017.

13. Publications:

Total: 112 Papers (Research Paper in national and international peer reviewed Journals: 67, Popular articles: 07, Bulletins: 12, Book chapters: 01; Full length papers in Symposia/ Conferences: 04 ; Research Abstracts: 21).

14. Teaching: Teaching courses in U.G., P.G. and Ph. D.

15. Guided / Co-Guided Ph.D. and M.Sc. students:

Ph.D.: 07 and M.Sc.: 29

16. Guiding Ph.D. and M.Sc. students:

Ph.D.: 05 and M.Sc.: 06

17. Extension:

i. Radio Talks: 12

ii. T.V. Talks: 11

iii. Total Front Line Demonstrations Conducted: 393 at B.A.U. , Ranchi

iv. At B.H.U more than 3000 farmers were trained for quality seed production under NAIP project as Associated Scientist

18. Membership of Scientific Societies:

- i. Elected **Fellow**, Indian Society of Genetics & Plant Breeding, New Delhi, India.
- ii. Life member, Indian Society of Genetics & Plant Breeding, New Delhi, India.
- iii. Life member, Indian Society of Nuclear Techniques in Agriculture and Biology, New Delhi, India.
- iv. Member of Oryza Journal (Association of Rice Research Workers CRRI, Cuttack) in 2016.
- v. Member of ‘SABRAO’ for the year-2016.
- vi. Member of Indian Society of Plant Genetic Resources, New Delhi, India(in 2010 and 2011 both).
- vi. Member of The Bioscan-An International Jr. of Life Science (The NATIONAL Environment Alista Association) for the year-2013.
- vii. Member of crop and weed science society, BCKV, Nadia, W.B.-741252 for the year-2013.
- viii. Member of Bioinfolet-A Jr. of Life Sciences for the year-2013.
- ix. Member of Research in Environment & Life Sciences, Lucknow for the year-2013.
- x. Member of Research Journal of Agricultural Sciences- An International Journal, Srinagar, Kashmir (J & K) for the year-2014.

19. Reviewer of Journals: Doing work of Reviewer in many National and International Journals;

- i. Indian Journal of Genetics & Plant Breeding – 2010
- ii. Indian Journal of Agrl. Sciences-2012 and 2019
- iii. BAU journal of Research-2005
- iv. Reviewer of “Jr. of Environmental Biology” (NAAS rating-7.1) - Dec, 2013.
- v. Reviewer of “Indian Jr. of Plant Genetic Resources” as per letter no. RKT/2015/72/ Dated 11.08.2015.
- vi. Reviewer of “Karnataka Jr. of Agr. and Science” U.A.S., Dharwad. As per letter no. PCUASD/153/ 2015-16/ dated 24.07.2015.
- vii. **Guest Editor:** Pragati- BHU Sodh-Sainkchhadik Patrika-2012.