

Departmental Profile


Department of Seed Science and Technology

Acharya Narendra Deva University of Agriculture and Technology
Kumarganj, Ayodhya-224229 (U.P.)


About Department:

Seed Technology Section was established in 1978. Strengthening of Breeder and Foundation Seed Production unit and establishment of seed testing laboratory scheme sanctioned by the State Govt. in 1981. Five NSP farms (196.5 ha) were developed nearby university campus in 1978. All India Coordinated Research Project on National Seed Project (Crops) was initiated in 1983. State Seed Testing Laboratory (Notified) was established in 1985. First seed processing plant was established in 1988 being funded by world bank. ICAR Seed Project-Seed Production in Agricultural Crops (Mega Seed Project) was started in 2005. Second seed processing plant was established in 2009, funded by ICAR, New Delhi. Keeping the facilities and importance of the quality seed endeavors in view, a full fleshed Seed Science and Technology department was established in 2012.

Faculty Information:

	
1. Name of Teacher:	Dr. Subhash Chandra Vimal
2. Designation:	Head of Department
3. Date of Joining in the University:	24-05-2004
4. Date of Joining on Present Post:	24-05-2004
5. Specialization:	Genetics and Plant Breeding
6. Education:	Ph. D./NET (Plant Breeding)
7. E-mail Id:	scvimalndgpb@gmail.com
8. Mobile No. :	9451955851
9. Teaching Experience (In Years):	19 years 11 months
10. Research Experience (In Years):	23 years
11. Publications:	
➤ No. of Research Papers	126
➤ No. of Books	3
➤ No. of Book Chapters	8
➤ Any Other (Popular Article)	17

12. Students Guided: ➤ PG ➤ PhD	65 18
13. No. of Projects handled:	5
14. Any Other	18 Awards conferred by various SAUs, National and International Societies/Organizations. Technologies developed: *Suitability of new packaging materials for commercial seed storage. *Standardization of seed coating with synthetic polymers and additives. *Demonstration of priming technology through farmer's participation. *Pre-sowing seed treatment for invigoration and better crop establishment.

1. Name of Teacher:	Dr. Ashok Kumar	
2. Designation:	Assistant Professor	
3. Date of Joining on Present Post:	22-09-2023	
4. Specialization:	Seed Science and Technology	
5. Education:	Ph. D./NET (Seed Science and Technology)	
6. E-mail Id:	Ashokjhsseed2013@nduat.org	
7. Mobile No:	8765115810	
8. Teaching Experience(In Years):	11years	
9. Research Experience(In Years):	11 years	
10. Publications: ➤ No. of Research Papers ➤ No. of Books ➤ No. of Book Chapters ➤ Any Other (Popular Article) Training Manual	16 0 0 2 1	
11. Students Guided: ➤ PG PhD	14 1	
12. No. of Projects handled:	0	
13. Award	3 Awards Ph.D. Thesis Award 2017 Excellence in Teaching Award and Young Scientist Award) Awards conferred by various National Societies/Organizations.	



Name of Teacher:	Dr. Vikram Jeet Singh
Designation:	Assistant Professor
Date of Joining in the University:	03-10-2023
Date of Joining on Present Post:	03-10-2023
Specialization:	Seed Science and Technology
Education:	Ph. D./NET (Seed Science and Technology)
E-mail Id:	vikram.rice2015@gmail.com, vikramsst2023@nduat.org
Mobile No.:	8700808347
Teaching Experience (In Years):	3 months (From October 3 rd)
Research Experience (In Years):	8 years
Publications:	
➤ No. of Research Papers	18 (All above NAAS rating 6.00)
➤ No. of Books	2
➤ No. of Book Chapters	7
Any Other (Popular Article)	3
Students Guided:	
➤ PG	-
PhD	-
No. of Projects handled:	0
Any Other	Presented oral and posters in different National and International conference and received 2 best poster and 1 oral



Name of Teacher:	Dr. Vinay Kumar Chourasiya
Designation:	Assistant Professor
Date of Joining in the University:	18-05-2022
Date of Joining on Present Post:	27-09-2023
Specialization:	Seed Science and Technology
Education:	Ph. D./NET (Seed Science and Technology)
E-mail Id:	vc3949@gmail.com , vc3949@nduat.org
Mobile No. :	7905402219
Teaching Experience (In Years):	From September to till now
Research Experience (In Years):	4 year 8 month
15. Publications:	
➤ No. of Research Papers	11
➤ No. of Books	0
➤ No. of Book Chapters	3
Any Other (Popular Article)	9
16. Students Guided:	
➤ PG	-
PhD	-
No. of Projects handled:	0
Any Other	3 Awards conferred by various SAUs, National and International Societies/Organizations.



Name of Teacher:	Vinod Kumar
Designation:	Assistant Professor
Date of Joining in the University:	22.09.2023
Date of Joining on Present Post:	22.09.2023
Specialization:	Entomology
Education:	Ph.D. Entomology, NET
E-mail Id:	vinod.afh@gmail.com
Mobile No.:	8755311567
Teaching Experience (In Years):	02 Year one Month
Research Experience (In Years):	02 Year one Month
1. Publications:	
➤ No. of Research Papers	20
➤ No. of Books	02
➤ No. of Book Chapters	01
Any Other (Popular Article)	08
2. Students Guided:	
➤ PG	12
PhD	0
No. of Projects handled:	0
Any Other	3 awards- Promising Research Scholar Award (PRAGATI-2018) Young Fellow Award (2019) Best Thesis Award (SCALFE- 2023) Participated in 2 Training Programmes



Name of Teacher:	Dr Sanjeev Kumar Yadav
Designation:	Assistant Professor
Date of Joining in the University:	22/09/2023
Date of Joining on Present Post:	22/09/2023
Specialization:	Genetics and Plant Breeding
Education:	Ph. D. (Plant Breeding& Genetics)
E-mail Id:	sanju4432nduat@gmail.com
Mobile No. :	9455162912
Teaching Experience (In Years):	4 years 1 months worked in RMLAU University affiliated college 3 months and 10 days Teaching is going on in ANDUAT
Research Experience (In Years):	3 months and 10 days
Publications: ➤ No. of Research Papers ➤ No. of Books ➤ No. of Book Chapters Any Other (Popular Article)	10 4 1 5
Students Guided: ➤ PG PhD	3(2 PG Students in Seed Science & 1 PG Students in GPB) 0
No. of Projects handled:	0
Any Other	Award (02) Best appreciation award (PSMB2018) Best Poster Presentation award (Pragati 2019) Training Programme Attended – 2(Two)



Name of Teacher:	Dr. Rishabh Kumar Singh
Designation:	Assistant Professor
Date of Joining in the University:	22-09-2023
Date of Joining on Present Post:	22-09-2023
Specialization:	Seed Science and Technology
Education:	Ph. D./NET (Seed Science and Technology)
E-mail Id:	rishabhsinghagriculture@gmail.com , rkseed@nduat.org
Mobile No. :	8574835867
Teaching Experience (In Years):	1 Year
Research Experience (In Years):	3 Month as SRF
Publications:	
➤ No. of Research Papers	12
➤ No. of Books	0
➤ No. of Book Chapters	1
Any Other (Popular Article)	8
Students Guided:	
➤ PG	-
PhD	-
No. of Projects handled:	0
Any Other	1 Awards conferred by Science & Tech Society. 1 Year work experience as Teaching Associate in CSAUAT, Kanpur. Participated in more than 10 training Programmes in different SAU and ICAR institute.



Name of Teacher:	Dr. Divya Singh
Designation:	Assistant Professor
Date of Joining in the University:	22-09-2023
Date of Joining on Present Post:	22-09-2023
Specialization:	Plant Pathology
Education:	Ph. D./NET (Plant Pathology)
E-mail Id:	ds39772@gmail.com
Mobile No.:	7786900363
Teaching Experience (In Years):	1 year
Research Experience (In Years):	From 22/09/2023 till now
Publications:	
➤ No. of Research Papers	9
➤ No. of Books	-
➤ No. of Book Chapters	-
Any Other (Popular Article)	8
Students Guided:	
➤ PG	-
PhD	-
No. of Projects handled:	0
Any Other	➤ Awarded Inspire- fellowship from DST, Ministry of Agriculture, Gov. of India for Ph. D. Research programme. Best Research Scholar Award by Agricultural Technology Development society (ATDS)

Photo Gallery:



Lecture Room

Smart Classroom



Departmental Library

Seminar hall



Laboratory



Computer Room



Seed Processing Plant



Seed Sell Counter

Mission: Enhancing Teaching and research in Seed Science and Technology and at farmer's level to provide the quality seed of new varieties that help full in increase the farmer's crop production.

Objectives:

- ✚ Imparting the quality education to prepare students of M.Sc. (Ag.) and Ph.D. degree in Seed Science and Technology having diversified personality to cope the modern challenges.
- ✚ To conduct research on quality seed production and seed certification; seed physiology; storage and testing; seed pathology; seed entomology; seed processing and seed marketing of different field crops for improving their productivity.
- ✚ To meet the target of quality seed of field crops at National as well as State level demands.

Education:

The department imparts teaching at the B.Sc. (Ag.) Hons., M.Sc.(Ag.) and Ph.D. level programmers. At U.G. level teaching imparted for three courses of B.Sc. (Ag.) Hons. and MBA (Agri.). Besides teaching, the M.Sc. (Ag.) and Ph.D. students are also being guided by the competent faculty of the department for the thesis research programmers.

Important Facilities:

- Well established state seed testing laboratory with different equipment.
- Well-furnished seminar hall with LED Projector and audio visual aids.
- Departmental library equipped with books, research journals and computer system.
- Research Laboratory with various equipment for UG, PG and Ph.D. students.
- Well-equipped lecture hall with ICTs facility for PG and Ph.D. students.

- Well established Wi-Fi facility available in the Department.
- Good drinking water facility with water cooler.
- Well installed CCTV camera.
- **Experimentation:**
Excellent facilities for thesis, research work for the students are also available in all the major disciplines of Seed Science & Technology.
- **Laboratory:**
There are four well equipped laboratory in the department (Physical Purity, Germination, M.Sc., Ph.D. and Pathology Labs.) for practical, teaching and research work of students.
- **DUS Test Block:**
There are DUS test field block are available for research work of M.Sc. (Ag.) and Ph.D. students.
- **Seminar-cum-conference Room:**
There is one seminar-cum-conference room in the department for conducting the seminars of the students, meeting and other scientific conference.
- **Computer facilities:**
The department has a Computer room with internet facilities. Computer with LCD projector are also being provided in the department for effective teaching of PG students and presenting seminars.
- **Department Library facility:**
The department has a very good collection of Latest books, journals and Thesis (M.Sc. (Ag.) and Ph.D.). Books, journals and thesis are issued on loan basis to the students and teachers for abreaching their scientific knowledge.

Courses Offered By the Department:

Course Title with Credit load M.Sc. (Ag) in Seed Science and Technology (SST)

Course Code	Course Title	Credit Hours
SST 501*	Seed Developmental Biology	2 (1+1)
SST 502	Seed Dormancy and Germination	2 (1+1)
SST 503*	Seed Production Principles and Techniques in Field Crops	3 (2+1)
SST 504*	Seed Production Principles and Techniques in Vegetable Crops	3 (2+1)
SST 505	Seed Production Techniques in Fruits, Flowers, Spices, Plantation and Medicinal Crops	3 (2+1)
SST 506	Seed Production Techniques in Forage, Pasture and Green Manure Crops	2 (1+1)
SST 507*	Seed Legislation and Certification	3 (2+1)
SST 508*	Post Harvest Handling and Storage of Seeds	3 (2+1)
SST 509*	Seed Quality Testing and Enhancement	2 (1+1)
SST 510	Seed Technology of Tree Species	2 (1+1)
SST 511	Seed Industry and Marketing Management	2 (1+1)
SST 512	Seed Health Testing and Management	2 (1+1)
SST 591	Seminar	01
SST 599	Research	30

*Compulsory Major Courses

Course Title with Credit Load
Ph.D. in Seed Science and Technology (SST)

Course Code	Course Title	Credit
SST 601*	Hybrid Seed Production Technology	3 (2+1)
SST 602	Organic Seed Production	2 (1+1)
SST 603	Physiology and Biochemistry of Seeds	2 (1+1)
SST 604*	Genetic Purity and DUS Testing	3 (2+1)
SST 605	Seed Vigour and Crop Productivity	2 (1+1)
SST 606*	Advances in Seed Science	2 (2+0)
SST 607	Advances in Seed Quality Enhancement	2 (1+1)
SST 608	Germplasm Conservation Techniques	2 (1+1)
SST 609	Seed Ecology	2 (1+1)
SST 610	Seed Planning, Trade and Marketing	2 (1+1)
SST 691	Seminar I	01
SST 692	Seminar II	01
SST 699	Research	75

Research Publications

S. No.	Publications	NAAS Rating
1.	Verma, D.K.; Pandey, Alok.; Giri, S.P.; Verma, Saurabh.; and Singh, R.B. (2016). Chemical weed control in transplanted rice of Eastern Uttar Pradesh, <i>Progressive Research-An International Journal</i> , Print ISSN: 0973-6417, Online ISSN: 2454-6003, 11 (Special- iii) 82-84.	3.84
2.	Vishwakarma, S.R.; Chaudhary, R.K.; Verma, O.P.; Kushwaha, G.D.; Yadav, R.D.S.; Yadav, C.B.; Verma, G.P.; Yadav, H.C.; Singh, R.B. and Ramkalp (2016). Estimativation of genetics parameter in barley (<i>Hordeum vulgare</i>) under two regimes of soil. <i>Progressive Research – An International Journal</i> , Print ISSN: 0973-6417, Online ISSN: 2454-60030, 10 (Special- iii) 1569-1572.	3.84
3.	Singh, R.B.; Yadav, M.K.; Yadav, R.D.S.; Chaudhary, R.K.; Giri, S.P.; Verma, D.K.; and Verma, Saurabh (2016). Assessment of residual toxicity of seed protectants (insecticides) in stored pigeonpea seed. <i>International Journal of Plant Protection</i> , 9 (1): 275-278.	4.59
4.	Singh, R.B.; Singh, Gurdeep and Nishad, R.N. (2016). Screening of germplasms of Kharif Mungbean (<i>Vigna radiate</i> L.) against white fly (<i>Bemisia tabaci</i>). <i>Progressive Research- An international Journal</i> . 11(Special-v): 2997-2998.	3.84
5.	Singh, R.B.; Yadav, M.K.; Yadav R.D.S.; Chaudhary, R.K.; Giri, S.P.; Verma, D.K.; and Verma, Saurabh (2016). Assessment of residual toxicity of seed protectants (insecticides) in stored pigeonpea seed. <i>International Journal of Plant Protection</i> , 9 (1): 275-278.	4.59

6.	Chaudhary, R.K.; Kumar, P.; Yadav, R.D.S.; Kushwaha, G.D.; Yadav, H.C. and Singh, R.B. (2016). Effect of bio fertilizers sulphur and boron for the optimization of seed yield and its quality parameter in chickpea (<i>Cicer arietinum</i> L.) . <i>Progressive Research – An International Journal</i> , Print ISSN: 0973-6417, Online ISSN: 2454-6003, 11 (Special- iii) 173-174.	3.84
7.	Vimal, S.C.; Maurya, J.K.; Gaur, S.C. and Verma, K.K. (2016). Studies on correlation and path coefficient analysis of vigour index and its contributing parameters in Indian mustard (<i>Brassicajuncea</i> L. Czern and Coss.) germplasm. <i>ProgressiveResearch-An International Journal</i> , 11:34-37.	3.84
8.	Kumar, S.; Vimal, S.C. and Prakash, S. (2016). Selection of most desirable genotypes for varietal development in wheat (<i>Triticumaestivum</i> L.). <i>ProgressiveResearch-An International Journal</i> , 11:1056-1058.	3.84
9.	Vimal, S.C.; Singh, A.K. and Santosh (2016). Character association and path analysis of yield components and seed quality parameters in wheat (<i>Triticumaestivum</i> L.). <i>ProgressiveResearch-An International Journal</i> , 11:546-548.	3.84
10.	Srivastava, K.K.; Vimal, S.C.; Giri, S.P. and Verma, K. (2016). Studies on seed quality parameters in Indian mustard { <i>Brassica juncea</i> (L.) Czern and Coss.}. <i>International Journal of Agricultural Sciences</i> , 12(2):70-72.	4.20
11.	Kumar, M.; Yadav, R.D.S.; Kumar, N.; Sarvjeet, Vimal, S.C. (2016). Effect of sowing methods, NPK levels and zinc sulphate on grain yield and its attributing traits in wheat (<i>Triticum aestivum</i> L.). <i>Res. Environ. Life Sci.</i> , 9(4):493-496.	3.74
12.	Vimal, S.C.; Sarvjeet; Gaur, S.C. and Kumar, P. (2016). Relationships of yield and its characters in mungbean { <i>Vignaradiata</i> (L.) Wilczek}. <i>Progressive Research-An International Journal</i> , 11(6):3779-3781.	3.84
13.	J.P Srivastava, Mohammad Said, Deepak Babu & Kumudsingh (2016), Magnitude of dormancy in rice varieties and mechanism of induction, <i>Progressive Research International journal</i> .11 (Special 1):85-87.	3.84
14.	Verma, D.K.; Pandey, Alok; Verma, Saurabh; Singh, Kumud, Giri, S.P.; Singh, R. B.; Singh, R.P. and Rampal (2016). Evaluation of rice varieties for aerobic soil condition of eastern Uttar Pradesh. <i>International Journal of Agricultural Sciences</i> , 12 (2):60-62.	4.20
15.	Verma, D. K.; Giri, S.P.;Pandey, alok; Verma, Saurabh and Singh, R. B. Prakash, Nitendra and Singh, janardan(2015). Response of graded Nitrogen level in aromatic short grain rice of irrigated ecosystem in of eastern Uttar Pradesh, <i>Progressive Research</i> 10(special – III): 1177 – 1178.	3.84
16.	Singh, R. B.; Singh, Gurdeep and Nishad, R. N. (2016). Screening of germplasm of Kharifmungbean (<i>vignaradiata</i> L.) against white fly (<i>Besiancetabau</i>). <i>Progressive Research -11(special)</i> 2997-2998.	3.84
17.	Vimal, S.C.; Maurya, J.K.; Gaur, S.C. and Verma, K.K. 2016). Studies on correlation and path coefficient analysis of vigour index and its contributing parameters in Indian mustard (<i>Brassica juncea</i> L. Czern and Coss.) germplasm. <i>Progressive Research-An International Journal</i> , 11:34-37.	3.84
18.	Kumar, S.; Vimal, S.C. and Prakash, S. (2016). Selection of most desirable genotypes for varietal development in wheat (<i>Triticum aestivum</i> L.). <i>Progressive Research-An International Journal</i> , 11:1056-1058.	3.84
19.	Vimal, S.C.; Singh, A.K. and Santosh (2016). Character association and path analysis of yield components and seed quality parameters in wheat (<i>Triticum aestivum</i> L.). <i>Progressive Research-An International Journal</i> , 11:546-548.	3.84

20.	Srivastava, K.K.; Vimal, S.C.; Giri, S.P. and Verma, K. (2016). Studies on seed quality parameters in Indian Mustard { <i>Brassicajuncea</i> (L.) Czern and Coss.}. <i>International Journal of Agricultural Sciences</i> , 12(2):70-72.	4.20
21.	Kumar, M.; Yadav, R.D.S.; Kumar, N.; Sarvjeet, Vimal, S.C. (2016). Effect of sowing methods, NPK levels and zinc sulphate on grain yield and its attributing traits in wheat (<i>Triticum aestivum</i> L.). <i>Res. Environ. Life Sci.</i> , 9(4):493-496.	3.74
22.	Vimal, S.C.; Sarvjeet; Gaur, S.C. and Kumar, P. (2016). Relationships of yield and its characters in mungbean { <i>Vigna radiata</i> (L.) Wilczek}. <i>Progressive Research: An International Journal</i> , 11(6):3779-3781.	3.84
23.	Vimal, S.C.; Singh, A.K. and Singh, H. K. (2016). Quantitative analysis of yield contributing traits and seed quality parameters in wheat (<i>Triticum aestivum</i> L.). pp. 65-68. Paper published as a lead paper in National Conference on Rural Livelihood Security through Innovative Agri-entrepreneurship w.e.f. 12-13 March, 2016 at ICAR-Central Potato Research Station, Patna (Bihar).	4.20
24.	Abhinav, Burman, R.N. Kanpure, S.R. Anjanawe, A. Haldar, R.P. Patel, S.K. Yadav, Tejasvi Singh (2016) Effect of bio fertilizers and growth regulators on rooting and growth of hard wood cutting of grapevine (<i>Vitis vinifera</i> L.) CV. Thompson seedless. <i>Research In Environment and Life Sciences</i> ISSN:0974-4908.	4.09
25.	Nishad, R.N.; Singh, R.B.; Singh, A.K.; Singh, S.P. and Yadav, S.K. (2017). Effect of various indigenous botanical seed protectants on seed quality parameters of chickpea seed during ambient storage, <i>Journal of Pharmacognosy and Phytochemistry</i> ; SP (1): 423-426.	5.21
26.	Nishad, R. N. and Singh, R. B. (2017). Assessment of residual toxicity of seed protectants (botanicals) in stored chickpea pea seed, <i>Bull. Env. Pharmacol. Life Sci.</i> , Vol 6 Special issue [1]: 316-318.	4.95
27.	Singh, R. K.; Pandey, A. K.; Singh, R. B. and Nishad, R. N. (2017) Analysis of Seed and Seedling Parameters in Wheat Germplasm <i>Bull. Env. Pharmacol. Life Sci.</i> , Vol 6 Special issue [1]: 337-341.	4.95
28.	Singh, R. B.; Nishad, R. N. and Singh, R. P. (2017). Relative efficacy of botanicals against pulse beetle (<i>Callosobruchus chinensis</i> L.) infestation in Chickpea during Storage <i>Bull. Env. Pharmacol. Life Sci.</i> , Vol 6 Special issue [1]: 333-336.	4.95
29.	Vimal, S.C.; Kumar, Pankaj and Srivastava, K.K. (2017). Heterosis and inbreeding depression in mungbean (<i>Vigna radiata</i> (L) Wilczek) under problematic soil. <i>Progressive Research-An International Journal</i> , 12(Special-II):1447-1450.	3.84
30.	Kumar, P.; Vimal, S.C. and Kumar, A. (2017). Study of Simple Correlation Coefficients for Yield and its Component Traits in Lentil (<i>Lens culinaris</i> Medik.). <i>Int.. J. Curr. Microbiol. App. Sci.</i> , 6(9):3260-3265.	5.38
31.	Sarvjeet; Vimal, S.C. and Kumar, P. (2017). Standardization of Hydropriming Duration for Enhance Seed Yield and its Quality Parameters in Chickpea (<i>Cicer arietinum</i> L.). <i>Int. J. Curr. Microbiol. App. Sci.</i> , 6(9):665-679.	5.38
32.	Prakash, S.; Singh, P.; Singh, K. A. P.; Singh, V.; Singh, R.; Vimal, S.C. and Sharma. S. K. (2017). Effect of Plant Growth Regulators on Partially Aged Seeds of Spinach (<i>Spinacea oleracea</i> L.) Genotypes. <i>Int. J. Curr. Microbiol. App. Sci.</i> , 6(11): 1327-1334.	5.38
33.	Sarvjeet; Vimal, S.C.; Gupta, J.P. and Singh, A. (2017). Determination of best combination of bio-fortification and hydro-priming for yield and its quality parameters in chickpea (<i>Cicer arietinum</i> L.). <i>J. Pharmacognosy and Phytochemistry</i> ,	5.21

	6(3): 835-840.	
34.	Kumar, P.; Vimal, S.C.; Sarvjeet and Gupta, J.P. (2017). Enhancement of yield components and seed quality parameters by growth regulators in lentil (<i>Lens Culinaris</i> Medik.). <i>J. Pharmacognosy and Phytochemistry</i> , 6(5): 22-26	5.21
35.	Singh, V.; Vimal, S.C.; Srivastava, S.P Maurya, V. and Singh, N. (2017). Character association and path analysis of yield contributing traits and quality parameter in chickpea (<i>Cicer arietinum</i> L.). <i>J. Pharmacognosy and Phytochemistry</i> , 6(5):1488-1492.	5.21
36.	Kumar, J.; Srivastava, K. K. and Yadav, R.D.S. (2017). Evaluation of Variability and Path Analysis for quantitative traits in Indian mustard { <i>Brassica juncea</i> (L.) Czern and Coss.}. <i>Progressive Research</i> ,12(special-I): 836 – 843.	3-48
37.	Rakesh Choudhary, S.K. Verma, R.K. Panwar, V. K. Chourasiya and Deepankar Pandey (2017). “Morphological characterization of lentil (<i>Lens culinaris</i> Medikus) varieties based on six qualitative traits. <i>Journal of Pharmacognosy and phytochemistry</i> .	5.21
38.	Divya Singh , S. K. Pande, S. P. Singh, Dharmendra Kumar Singh and Kavita (2017): Evaluation of the Barley genotypes against spot blotch disease caused by <i>Bipolaris Sorokiniana</i> . <i>Plant Archives</i> , 17 (1): 167-170.	5.59
39.	Kavita, S.K. Pande, Dalbeer, Divya Singh and Rajesh Saini (2017): Screening of resistencia for spot blotch in Barley (<i>Hordeum vulgare</i> L.) genotypes. <i>Interntional journal of current microbiology and applied sciences</i> , 6(5): 838-847.	5.38
40.	Sandeep Kumar, Divya Singh , Jay Kumar Yadav, Susheel Kumar and Sandeep Kumar Verma (2017): efficacy of plant extracts, bioagents and fungicides against <i>Fusarium udum</i> causing Pigeonpea Wilt. <i>International journal of current microbiology and applied sciences</i> , 6(9): 2652-2660.	5.38
41.	Sanjeev Kumar, Pradip Kumar, Divya Singh , Prashant Mishra and Sukhvindar Singh (2017): Management of isariopsis leaf spot of ber (<i>zizyphus Mauritiana</i> lamk.) through fungicides. <i>Plant Archives</i> , 17 (1): 199-200.	5.59
42.	Kumar, A., Bhowmick, P.K., Singh, V.J. et al. (2017). Marker-assisted identification of restorer gene(s) in iso-cytoplasmic restorer lines of WA cytoplasm in rice and assessment of their fertility restoration potential across environments. <i>Physiol Mol Biol Plants</i> . 23, 891–909. https://doi.org/10.1007/s12298-017-0464-5	9.50
43.	Priyanka Singh, Surendra Yadav, Pawan Verma & V. K. Chourasiya (2017). “Study on botanical treatment for maintaining longevity and vigour during ambient storage.” <i>International journal of Pure and Applied Bioscience</i> ”.	4.74
44.	Priyanka Singh, Pawan Verma & V. K. Chourasiya (2017). Screening of Mung bean germplasm against precocious germination susptability.” <i>International journal of Pure and Applied Bioscience</i> .	4.74
45.	Priyanka Singh, V. K. Chourasiya , Manish Pandey & R.D.S. Yadav (2017) “Effect of different chemicals on induction of seed dormancy in Mung bean. “ <i>Res. Environ. Life Sci</i> vol ISSN :0974-4908. (NAAS-4.09)	4.09
46.	Priyanka Singh, Pawan Verma, V. K. Chourasiya & R.D.S. Yadav (2017). “Induction of dormancy in Mung bean.” A Review, <i>International journal of Pure and</i>	4.74

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2.	Agronomy and crop production	Radhey Shyam, Usha, Amit Kumar Jain, Vikram Jeet Singh	2018	MedTech
3.	“Botanicals in Insect pest Manaement”	Mahendra Pratap Gautam, Dr. Hem Singh, Vinod Kuamr and Shesh Narain Singh	2018	Anu Books publication
4.	Elements of Fundamental Genetics	Sanjeev Kumar Yadav , Jaya Rathore, Priyanka Gupta, P.K. Yadav, Ashish Singh	2021	Akinni Publication
5.	Novel Technologies in Modern Agriculture	Dr. Sushant Kumar, Dr. D. V. Singh, Dr. Vinod Kumar and Jay Nath Patel	2023	Vital Biotech Publication

Training/Practical Mannual

Sl. No.	Title	Authors/contributors	Year	Publishers
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1.	Hybrid rice breeding technology: Tools and Techniques	Vikram Jeet Singh , P K Bhowmick, Gopala Krishnan S, K K Vinod, R K Ellur, Haritha Bollinedi, Sonu Shekhawat, Nandakumar S, M Nagarajan, A K Singh	2020	ICAR
2.	Determination of pollen and spikelet fertility in Rice	Vikram Jeet Singh , P K Bhowmick, Gopala Krishnan S, K K Vinod, R K Ellur, Haritha Bollinedi, Sonu Shekhawat, Nandakumar S, M Nagarajan, A K Singh	2020	ICAR
3.	Marker aided identification of potential fertility restorer lines in rice	Vikram Jeet Singh , P K Bhowmick, Gopala Krishnan S, K K Vinod, R K Ellur, Haritha Bollinedi, Sonu Shekhawat, Nandakumar S, M Nagarajan, A K Singh	2020	ICAR
4.	Hybrid seed production and testing of genetic purity of Hybrid seeds in Rice	P K Bhowmick, Vikram Jeet Singh , Gopala Krishnan S, K K Vinod, R K Ellur, Haritha B, M Nagarajan, A K Singh	2019	ICAR
5.	Rice adaptation to climate change: Opportunities and priorities in molecular breeding	Vikram Jeet Singh , K K Vinod, S Gopala Krishnan, Ashok K Singh	2021	Wiley Blackwell
6.	A Practical Manual of Seed Science and Technology	Jaya Rathore, Basant Kachouli, Sanjeev Kumar Yadav , Yuvraj Yadav	2022	Book Rivers Publication
7.	Manual of Vegetable Farming Techniques	Sanjeev Kumar Yadav , Neeta Tripathi, Narendra Vasure, Pramod Yadav	2022	Book Rivers Publication

Awards

Scientist	Name of Award	Year	Awarding academy/society
Dr. S.C. Vimal	Best Poster Presentation Award	2013	Academy of Environmental Biology, India on the occasion of National Seminar on March 08-09, 2013 at NDUAT, Kumarganj, Faizabad (Ayodhya)
Dr. S.C. Vimal	Outstanding Performance Award	2016	Swadeshi Vigyan Sansthanam on the occasion of National Conference on January 30-31, 2016 at BRDPG College, Deoria.
Dr. S.C. Vimal	Young Scientist Award	2016	Society of Biotechnology, Allahabad on the occasion of International Conference on Feb. 25-26, 2016 at SHIATS, Allahabad.
Dr. S.C. Vimal	Distinguished Scientist Award	2016	Society for Upliftment of Rural Economy, Varanasi on the occasion of National

			Conference on March 12-13, 2016 at ICAR-Central Potato Research Station, Patna (Bihar).
Dr. S.C. Vimal	Fellow Award	2016	Society for Scientific Development in Agriculture and Technology, Meerut (UP) on the occasion of National Conference on December 10-11, at Prof. Jayashankar Telangana State Agricultural University, Rajendranagar, Hyderabad (Telangana).
Dr. S.C. Vimal	Outstanding Achievement Award	2016	Science and Technology Society for Integrated Rural Improvement, Thorrur, Warangal, Telangana on the occasion of National Conference on Sep. 10-11, at Indian Institute of Rice Research (IIRR), Rajendranagar, Hyderabad-Telangana.
Dr. R.D.S.Yadav	Life Time Achievement Award	2016	Genesis Urban and Rural Development Society on the occasion of National Conference on Sep.10-11, 2016 at Indian Institute of Rice Research (IIRR), Rajendranagar, Hyderabad-Telangana.
RK Chaudhary	Life Time Achievement Award	2016	Genesis Urban and Rural Development Society on the occasion of National Conference on Sep.10-11, 2016 at Indian Institute of Rice Research (IIRR), Rajendranagar, Hyderabad-Telangana.
Dr. R.B. Singh	Life Time Achievement Award	2016	Genesis Urban and Rural Development Society on the occasion of National Conference on Sep.10-11, 2016 at Indian Institute of Rice Research (IIRR), Rajendranagar, Hyderabad-Telangana.
Dr. S.C. Vimal	Excellence in Teaching Award	2016	JMD Educational Society Etah on the occasion of National Conference on May 21-22, at Kakaitya University, Warangal, Telangana.
Dr. R.B. Singh	Excellence in Teaching Award	2016	JMD Educational Society Etah on the occasion of National Conference on May 21-22, at Kakaitya University, Warangal, Telangana.
Dr. S.C. Vimal	Distinguished Scientist Award	2016	by Society for Upliftment of Rural Economy, Varanasi on the occasion of National Conference on March 12-13, at ICAR-Central Potato Research Station, Patna (Bihar).
Dr. RDS Yadav	Dr. Shanker Lal Vishisht Krishi Vaigyanik Puruskar-2015	2016	UP Academy of Agricultural Science on the occasion of 4 th UP Agricultural Science Congress on March 02-04, at CSUAT, Kanpur

Dr. S.C. Vimal	Young Scientist Award	2016	Society of Biotechnology, Allahabad on the occasion of International Conference on Feb. 25-26, at SHIATS, Allahabad.
R.K Chaudhary	Young Scientist Award	2016	Society of Biotechnology, Allahabad on the occasion of International Conference on Feb. 25-26, at SHIATS, Allahabad.
Dr. R.B. Singh	Distinguished Scientist Award	2016	Society of Biotechnology, Allahabad on the occasion of International Conference on Feb. 25-26, 2016 at SHIATS, Allahabad.
Dr. KK Srivastava	Outstanding Achievement Award	2016	Society of Biotechnology, Allahabad on the occasion of International Conference on Feb. 25-26, 2016 at SHIATS, Allahabad.
RK Chaudhary	Outstanding Achievement Award	2016	Society of Biotechnology, Allahabad on the occasion of International Conference on Feb. 25-26, 2016 at SHIATS, Allahabad.
Dr. KK Srivastava	Excellence in Teaching Award	2016	Swadeshi Vigyan Sansthanam on the occasion of National Conference on January 30-31, 2016 at BRDPG College, Deoria.
Dr. S.C.Vimal	Outstanding Performance Award	2016	Swadeshi Vigyan Sansthanam on the occasion of National Conference on January 30-31, 2016 at BRDPG College, Deoria.
Dr. H.C.Yadav	Outstanding Performance Award	2016	Swadeshi Vigyan Sansthanam on the occasion of National Conference on January 30-31, 2016 at BRDPG College, Deoria.
Dr. S.C.Vimal	Outstanding Achievement Award	2017	Biologix Research and Innovation Centre Private Limited, India on the occasion of International Conference on April 01-02, 2017 at Orchha, M.P.
Dr. S.C.Vimal	Best Research Paper Award in Oral Presentation	2017	Biologix Research and Innovation Centre Private Limited, India on the occasion of International Conference on April 01-02, 2017 at Orchha, M.P.
Dr. S.C.Vimal	Distinguished Scientist	2017	Society for agriculture innovation and development, Ranch, Jharkhand, India on the occasion of International Conference on May 13-15, 2107 at Kathmandu, Nepal.
Dr. S.C.Vimal	Best Research Paper Award in Oral Presentation	2017	Society for agriculture innovation and development, Ranch, Jharkhand, India on the occasion of International Conference on May 13-15, 2107 at Kathmandu, Nepal.

Dr. R.D.S. Yadav	Eminent Scientist Award	2017	SamagraVikas Welfare Society on the occasion of International Seminar on Agriculture and Food FOR Inclusive Growth and Development during January 14-15, at NBRI, Lucknow.
Dr. S.C.Vimal	Excellence in Research Award	2018	Society for Agriculture Innovation and Development, Ranchi, Jharkhand in National Conference on January 27-28,, 2108 at Bihar Veterinary College, Patna.
Dr. S.C.Vimal	Excellence in Teaching Award	2018	Science and Tech Society for Integrated Rural Improvement on the occasion of National Conference on August 11-12, 2018 at Ranchi.
Dr.KK Srivastava	Outstanding Plant Breeder Award	2018	Madhumitha Foundation, Suryapet – 508 213 Telangana State
Dr.KK Srivastava	Excellence in Research Award	2018	Doubling Farmers Income for Sustainable & Harmonious Agriculture (DISHA-2018), on 11-12 August, 2018 at Ranchi by Science & Tech Society for Integrated Rural Improvement (SIRI), Thorrur, Telangana – 506 163
Dr. R.B. Singh	Outstanding Achievement Award	2018	Endling Conference, Pune, Maharashtra.
Dr.KK Srivastava	Fellow Award	2019	Science & Tech Society for Integrated Rural Improvement (SIRI), Thorrur, Telangana – 506 163
Dr. R.D.S. Yadav	Fellow Award	2020	Indian Society of Pulses Research and Development, IIPR, Klyanpur, Kanpur.
Dr. S.C.Vimal	Fellow Award	2020	United Lighting Vision, Bengaluru, Karnataka
Dr. S.C.Vimal	Adarsh Vidya Saraswati Rashtriya Puraskar	2021	Glacier Journal Research Foundation Global Management Council.