

Credential of the Teachers

Name	Dr Shiv Ratan
Date of birth	09/11/1970
Designation	Senior Scientist (Plant Breeding)
Office address	College of Agriculture, Tikamgarh
Home address	Legha House, Gajner Road, Bikaner
Mobile number	9993042495 e mail sushtata@gmail.com



Date of joining

Post	Assistant Professor	Associate Professor	Professor
Date of joining	12/03/2007	23/02/2017	
Experience in year	9 years 11 months 11days	5 Years 3 months	

Qualification

Examination	Years of passing	Subject (s)	University/ Institute	Any distinction
Bachelor's	1993	B.Sc. Ag (Hons.)	CoA, Bikaner, RAU Bikaner (Now SK RAU, Bikaner)	
Master's	1997	M.Sc. Ag (PB&G)	RCA, Udaipur (RAU, Bikaner)	
Title of MSc thesis	" Tissue culture studies in Indian mustard (<i>B. juncea</i> L. Czern & Coss)			
Doctorate	2000			
Title of Ph D thesis	"Genetics of Bio-Mass Partitioning under Different Environments of Moisture Stress and Growth Stages in Indian Mustard (<i>B. juncea</i> L. Czern & Coss)"			
Post doctoral	Res. Associate	30/10/2000-2003 (4yrs 22 days) 1yr 9 months	NRC on rapeseed mustard, Bharatpur CSSRI, Karnal	Explored 55 districts of 7 states and collected 721 accessions of cultivated & wild brassicae species. Evaluated 3004 & maintained 5165 accessions
	Res. Associate & SRF,			
	1. Sustainable management of Biodiversity 2. Identification of initial salt tolerance parameters in Indian mustard 3. Transgenic in Crops-phenotyping for mapping populations (Rice)			
Any other	Plant Variety Evaluator	3 months 22 days	PPVFRA, New Delhi	Prepared DUS guidelines for 12 crops
	NET	1996 & 2001	ASRB, New delhi	

Details of participation in 21 day training programme

Title	From -to	Duration	Institute	Specialization
Recent Advances in seed production and supply system	21Jan. to 10 Feb, 2009	21 days	JNKVV, Jabalpur	Seed production System
Allele Mining in Crops: Methods and Utility	18 July to 07 Aug 2016	21 days	SDAU, Sardarkrushinagar, Dantiwara	Biotech & GE
Doubling of Farmers Income Through Advance Approaches for Fruits and Vegetables in Arid Region	28 Oct. to 17 Nov.2017	21days	ICAR-CIAH, Bikaner	Approached and techniques to work for arid zones.

Experience in teaching

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Degree	Bachelor	Master	Doctorate
Year	12 years	2 years	-

Number of courses taught and year of experience

Sr	Degree	Title of the course taught	Year of experience for the course	Course Learning Outcomes	details Specialization for the course (PD/Training/orientation)
1	Bachelor	Principles of Genetics	12 years		
2		Principles of Plant Breeding	8yrs	Acquainted with breeding needs, priorities and how to practically apply principles via improvement methods.	Two days orientation/workshop program of plant breeding for UG during Aug. 2-3, 2019 at JNKVV
3		Principles of Seed Technology	8yrs	Outline and understanding about voluntary system of seed production and certification and Maintenance of standards via compulsory labelling and distribution.	21 days training-Recent Advances in seed production and supply system ICAR sponsored 3 days training on "Seed Testing" organized by JNKVV, Jabalpur from 2-4 March, 2015
4		Breeding Field / Horti Crops	8yrs	Basic breeding methods for Field / Horti Crops based on their floral structure and way of pollination	A reorientation on breeding perspectives for kharif oilseed crops at ICAR- IOR, Hyderabad during Aug 20-23, 2019
5		Practical Crop Production I	2 yrs	How to grow ideal crop by following recommended package & practices and its effect on final return.	
		Practical Crop Production II	2 yrs	As above	
	Master				
6		Vegetable Breeding	2 years	Get acquainted with breeding principles and procedures for improvement of vegetable crops.	21 days winter school on Doubling of Farmers Income Through Advance Approaches for Fruits and Vegetables in Arid Region at CIAH Bikaner
9	Doctorate				
10					
11					

Guided for curricular research guided

Degree	Master	Doctorate	Total
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Number	01 Major guide 04 –minor guide		
Field of expertise	Oilseeds especially rapeseed –mustard, sesame and linseed.		

Accomplishment in teaching

Professional licensure and certification	
Honours and awards	<p>Excellent Research / Teaching Award 2016 by Indian Society of Genetics, Biotechnology Research & Development, Agra in the Conference “New challenges in Biotechnology and Molecular Biology in Context of 21st Century during Feb, 27-29. 2016.</p> <p>-Distinguished Scientist Award-2016 by AIASA in National Agricultural Convention on “Opportunities in Agriprenuership for Agricultural Students” at RAJUVAS, Bikaner held on Oct,07, 2016</p>
Continuous documented excellence in teaching	<ol style="list-style-type: none"> 1. Participated in two days workshop on “Improving the quality of education” JNKVV, Jabalpur during April 18-19, 2014 2. Contributed practical exercise on Two point and three point test cross for UG curriculum of JNKVV in context of two days workshop during Aug, 2-3, 2019. <p><u>Chapter in Book (ISBN/ISSN)</u></p> <ol style="list-style-type: none"> 1. Shiv Ratan, Yogendra Singh, VK Singh and Shobharam Thakur 2019. Sesame: Challenges for sustainability, strategies and future thrusts pp01-16 <i>In: Recent trends in Agriculture Sciences. Ed. RK Naresh, Akinik Publications, New delhi.</i> 2. Shiv Ratan, VN Tiwari and T. Ram 2013. Management of Plant Genetic Resources for Precision Farming pp 59-78 <i>In: Precision Farming: A New Approach. Eds. Tulasa Ram et al; Published by Daya Publication House, New Delhi (India).</i> 3. V. L. Ameta, B. R. Ranwah and Shiv Ratan 2002. Ex-plant identification in Indian mustard pp 31-33 <i>In: Seeds, Bio-regulation and Applied Plant Biotechnology. Eds. K.K. Bora, Karn Singh and A. Kumar Published by Pointer Publisher, Jaipur.</i> <p><u>Chapter in Compadium</u></p> <ol style="list-style-type: none"> 1. “<i>Intellectual property rights in seed production and marketing- Anover view</i>” chapter in 5 days training to ADOs organized by College of Agriculture, Ganj Basoda, District-Vidisha (M.P) on 24th March 2009. <p><u>Folder Pamphlet:</u></p>

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		1. V. N. Tiwari, M. L. Kewat and Shiv Ratan 2011. Jawahar Alsi-9 (JLS 9) ki adhik utpadan lene hetu Vaigyanik taknik. JNKVV, RARS, Waraseoni, Balaghat (MP). Pp 1-4. Monograph: 1. Prepared a document contained district-wise information regarding paddy varieties and hybrids shared with DRR, Hyderabad under the subject "Rice Varietal Adoption and Spread"			
Other demonstrated competencies and achievements that contribute to excellence in teaching and student learning outcomes		A. Developed Novel Crossing Technique for Sesame and filing of patent is under-process. B. Member, College Anti ragging Committee, College of Agriculture, Ganj Basoda from 26/8/2009-30/10/2010. C. Hostel warden, CoA, waraseoni from 18/09/2012 to 22/07/ 2015 . D. Published 15 popular articles,14 radio talks and 02 TV talks. E. External Funded projects: 1. Technological advancement and assessment of rapeseed mustard in rice fallow areas of eastern India, NMOOP, GOI 2. Intensification of sesame production in Bundelkhand agroclimatic zone of MP, DAC&FW, GOI			
Number of research paper as per NAAS rating published so far		4.00-5.00	5.01-6.00	6.01-7.00	>7.00
		22	04	01	
Published books with ISBN /ISSN		03 Book chapters			
Details of International exposure		Nil			
Post	Organization	Field of Assignment	From	To	Duration

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