

PROFILE

Name	: Pankaj Kumar Shah	 PANKAJ KUMAR SHAH
Designation	: Assistant Professor	
Organization	: Department of Genetics & Plant Breeding School of Agricultural Sciences and Rural Development (SASRD), Nagaland University , Campus: Medziphema - 797106 Nagaland Phone +913862-247219, Mobile Number: +919436617767, Email: pkshah@nagalanduniversity.ac.in pankajshah0112@gmail.com ,	
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Date of joining the institution	: 01.02.2013	
Educational Qualification	: Ph. D (Botany) Specialization: Plant Tissue Culture	
	M. Sc. (Agriculture) Plant Breeding & Genetics	
	NET-ICAR (ASRB) Plant Breeding	
	CCA-Computer Application	
	MBA- Human Resources Development	

Academic Experience:

Institution	Post held	Duration	Specific Experience
Krishi Vigyan Kendra, Dewas (RVSKVV, Gwalior MP)	Programme Assistant	January 2007 to January 2013	Breeder Seed Production, Trainings & Demonstrations
Krishi Vigyan Kendra, Dhar (JNKVV Jabalpur MP)	Training Assistant	January 2005 to January 2007	Breeder Seed Production, Trainings & Demonstrations
Regional Agril. Research Station College of Agriculture, Khandwa (JNKVV Jabalpur MP)	Research Associate	October 2003 to December 2004	Technology Mission on Cotton- Genetic improvement through Introgression of useful genes
Department of Plant Breeding & Genetics, JNKVV, Jabalpur MP	SRF/ Research Associate	December 2000 to Sep 2003	NATP (CGP) <i>In vitro</i> mass propagation of high value medicinal plants.
Department of Agricultural Botany & Crop Physiology, JNKVV, Jabalpur MP	SRF	June 1999 to December 2000	Central Sector Scheme on Development of agro-techniques for medicinal plants used in AYUSH.

Research Areas: / Field of Specialization: Plant Breeding and Genetics, Plant Tissue Culture

Teaching Areas: Genetics, Plant Breeding, Seed Technology, Intellectual Property Rights

Scientific Publications (Recent to Old):

Sr. No.	Author(s)	Year of Publication	Title	Name of Journal	Volume & Page No.
1.	Lalpantluangi Pc and Shah P	2018	Character association and path coefficient analysis in sesame (<i>Sesamum indicum</i> L.) genotypes under foothill condition of Nagaland.	The Pharma Innovation Journal	7(5): 82-87
2.	Banik M, Deore GN, Mandal AK and Shah P	2017	Selection of yield contributing traits in chickpea genotypes by correlation and path analysis studies.	The Pharma Innovation Journal	6(11): 402-405
3.	Zachamo BH, Shah P and Chaturvedi HP	2017	Correlation and path analysis studies among soybean genotypes under foothill conditions of Nagaland	<i>Indian Research Journal of Genetics & Biotechnology</i>	9(3):397-404.
4.	Yoobiangmi L, Kanaujia SP and Shah P	2017	Genetic variability, character association and path coefficient analysis in green mustard (<i>Brassica juncea</i> L.) genotypes.	<i>International Journal of recent Scientific Research</i>	8(8):19388-19391.
5.	Zachamo BH, Shah P and Chaturvedi HP.	2017	Genetic variability studies in Soybean genotypes under foothill conditions of Nagaland.	Contemporary Research in India	7(3):140-146.
6.	Imsong B, Sharma MB, Shah P, Chaturvedi HP and Seyie K.	2015	Stability analysis in Nagaland special Rice cultivars.	<i>International Journal of recent Scientific Research</i>	6(12):7679-7683.
7.	Madhubala, Shah P and Singh AP	2015	Genetic variability and correlation studies in Soybean genotypes under foothill condition of Nagaland	<i>Indian Journal of crop Ecology</i>	3(4):01-08.
8.	Shah P, Sharma MB, Chaturvedi HP and Seyie K	2015	Strategies to gear-up seed production in north-eastern region of India.	<i>Indian Research Journal of Genetics & Biotech.</i>	7(1):127-129.
9.	Shah P, Tiwari S and Ayachi AK	2008	Optimization of hardening parameters for <i>Rauwolfia serpentina</i> (L.) regenerants propagated from mature cotyledons.	<i>New Agriculturist</i>	Vol 19 No. (1,2): 1-6.
10.	Shah P, Tiwari S and Ayachi AK	2008	Optimization of temperature and relative humidity for <i>Rauwolfia serpentina</i> (L.) regenerants propagated from immature cotyledons.	<i>Bioved</i>	Vol 19 No. (1,2)
11.	Tiwari S, Singh K.	2007	<i>In vitro</i> propagation of	<i>Biotechnology</i>	6 (2):299-301.

	and Shah P		<i>Oroxylum indicum</i> -An Endangered Medicinal Tree.		
12.	Shah P, Jatav DS, Baghel RS, Tripathi MK and Tiwari S	2007	Studies on use of some low cost culture medium ingredients for mass <i>in vitro</i> propagation of <i>Chlorophytum borivilianum</i> .	<i>Indian Journal of Tropical Biodiversity</i>	15 (2): 160-163
13.	Koutu GK, Shastry PP, Tomar R, Bisen NK, Shah P and Tomar DS	2005	Performance of cotton varieties in respect of yield potential over varying depths of soil and rainfall intensities.	<i>JNKVV Research Journal</i>	39 (1): 33-40.
14.	Koutu GK, Shastry PP, Bisen NK, Tomar R, Shah P and Tomar DS	2005	Evaluation of long linted <i>Gossypium arboreum</i> genotypes suitable for rainfed ecology.	<i>Journal of Cotton Research & Development</i>	19 (2): 131-133
15.	Tiwari G., Shah P and Sonakia VK	2005	Glucoside content and its accumulation in Bach (<i>Acorus calamus</i> Linn.) as influenced by Nitrogen and Phosphorus application.	<i>Indian Journal of Plant Physiology</i>	10 (2): 168-170.
16.	Sikarwar RS, Singh PP, Bisen NK and Shah P	2004	Genetic architecture of yield and yield attributing characters in Sesame (<i>Sesamum indicum</i> L.)	<i>Sesame and Safflower Newsletter</i>	No. 19: 01-06.
17.	Tiwari G., Shah P and Tiwari AB	2004	Optimization of harvesting date for higher productivity of Sweet flag (<i>Acorus calamus</i> L.).	<i>JNKVV Research Journal</i>	38 (2): 50-52
18.	Tripathi MK, Sikarwar RS, Shah P and Yadav LN	2004	Techniques for improving the efficiency in crossing of Sesame.	<i>Sesame and Safflower Newsletter</i>	19: 23-26.
19.	Koutu GK, Shastry PP, Bisen NK, Shah P, Tomar DS, Tomar R, & Sikarwar RS	2003	Expression of fibre quality parameters of cotton in Madhya Pradesh.	<i>JNKVV Research Journal</i>	37 (1): 78-80.
20.	Shah P, Tiwari G, Agrawal VK and Tiwari AB	2003	Performance of Mentha species and varieties in Madhya Pradesh.	<i>JNKVV Research Journal</i>	37 (2): 92-93.
21.	Tiwari G., Shah P, Agrawal VK and Harinkhede DK	2003	Influence of nitrogen application on the growth, biomass productivity and leaf essential oil yield in turmeric.	<i>JNKVV Research Journal</i>	37 (2): 90-91.
22.	Tiwari S, Shah P and Singh K	2003	Efficient <i>in vitro</i> clonal propagation of <i>Rauwolfia serpentina</i> L.: an important medicinal plant.	<i>Plant Cell Biotechnology and Molecular Biology</i> .	4 (3&4): 157-162.
23.	Tiwari S, Shah P and Singh K	2003	<i>In vitro</i> propagation of <i>Pterocarpus marsupium</i> L.: an endangered medicinal tree.	<i>Indian Journal of Biotechnology</i>	Vol. 3, July 2004, pp 422-425.
24.	Shah P, Tiwari G, Gontia AS, Patil	2002	Correlation studies in Indian mustard <i>Brassica juncea</i> L.	<i>Agriculture Science</i>	22 (2): 79-82.

	VD and Kale UV		Czern & Coss.	<i>Digest</i>	
25.	Tiwari G, Shah P, Tiwari JP and Agrawal VK	2002	Effect of sowing method and seed rate on growth and yield of Ashwagandha (<i>Withania somnifera</i> (L.) Dunal.) under rainfed condition	<i>Agriculture Science Digest</i>	22 (3): 201-202.
26.	Shah P, Tiwari G, Gontia AS, Patil VD and Kale UV	2001	Path Analysis Studies in Mustard.	<i>Annals of Plant and Soil Research</i>	Vol. 3 (2): 251-255.
27.	Harinkhede DK, Shah PD, Tiwari G and Tiwari JP	2000	Optimization of nutrient requirements for growth and root productivity of <i>Plumbago zeylanica</i> L.	<i>Journal of Medicinal and Aromatic Plants</i>	Vol.22/4A & 23/1A, PP: 415.
28.	Shah P, Tiwari G and Tiwari JP	2000	Influence of harvesting dates on plant growth and root productivity of Chitrak (<i>Plumbago zeylanica</i> L.).	<i>Journal of Medicinal and Aromatic Plants</i>	Vol.22/4A and 23/1A, PP: 413.
29.	Tiwari G, Shah P and Tiwari JP	2000	Effect of planting dates on growth and productivity of Choitrak (<i>Plumbago zeylanica</i> L.)	<i>Journal of Medicinal & Aromatic Plants</i>	Vol.22/4A & 23/1A, PP:411

Chapters / Scientific Papers in Edited Books / Proceedings:

Sr. No.	Author(s)	Year of Publication	Title	Name of Edited Book	Volume & Page No.
1.	Shah P, Tiwari S and Ayachi A	2018	Performance of <i>Rauwolfia serpentina</i> L. regenerants propagated from immature cotyledons under varying temperature and regimes.	Sustainable Horticulture Editors: Pauline Alila, CS Maiti, S. Naleo and A. Sema	357-363
2.	Shah P, Tiwari S and Singh K	2005	Efficient <i>in vitro</i> clonal propagation protocol for <i>Rauwolfia serpentina</i> ..	NIMMAP 2004. Scope and Opportunities in Research and Business of Medicinal & Aromatic Plants. Proceedings of II National Interactive Meet on M&APs. Editors: Anup Kumar, AK Mathur, Ashok Sharma, AK Singh, SPS Khanuja. CIMAP, Lucknow (India) ©2005	127-133.

3.	Tiwari S, Shah P Tripathi MK and Singh K	2005	<i>In vitro</i> clonal propagation protocols for some medicinal plants of Madhya Pradesh.	NIMMAP 2004. Scope and Opportunities in Research and Business of Medicinal & Aromatic Plants. Proceedings of II National Interactive Meet on M&APs. Editors: Anup Kumar, AK Mathur, Ashok Sharma, AK Singh, SPS Khanuja. CIMAP, Lucknow (India) ©2005.	PP: 149-156.
4.	Tomar SPS, Tomar R, Shah P, Tomar DS and Shrivastava VK	2005	Efficacy of several medicinal plants against gram pod borer <i>Helicoverpa armigera</i> .	NIMMAP 2004. Scope and Opportunities in Research and Business of Medicinal & Aromatic Plants. Proceedings of II National Interactive Meet on M&APs. Editors: Anup Kumar, AK Mathur, Ashok Sharma, AK Singh, SPS Khanuja. CIMAP, Lucknow (India) ©2005.	161-163.
5.	Tiwari S and Shah P	(2003	Studies on <i>in vitro</i> clonal propagation of some medicinal plants of Madhya Pradesh. NIMMAP 2002. Scope and Opportunities in Research and Business of Medicinal & Aromatic Plants.	Proceedings of First National Interactive Meet on Medicinal & Aromatic Plants. Editors: AK Mathur, S Dwivedi, DD Patra, GD Bagchi, NS Sangwan, A Sharma, SPS Khanuja. CIMAP, Lucknow (India) ©2003.	373-383.
6.	Tiwari S, Shah P and Shukla RS	2001	Development of mass <i>in vitro</i> propagation protocols for some important medicinal and aromatic plants of Madhya Pradesh.	Lead Paper, Souvenir. National Seminar on commercial cultivation, processing & marketing of medicinal and aromatic plants. November 27-29, 2001. JNKVV, Jabalpur	32-37.
7.	Tiwari S and Shah P	2001	<i>In vitro</i> investigations on the clonal propagation of medicinal plants of India. National Seminar on Conservation and Utilization of Medicinal and Aromatic Plants.	Regional Research Laboratory (CSIR) Bhubaneswar Orissa, Supplementary volume	14 – 25.

Practical Manuals:

Sr. No.	Course Number	Course Title	Year of Publication
1.	Principles of Plant Breeding	GPB-102	2015
2.	Principles of Plant Breeding	GPB-503	2015
3.	Fundamentals of Plant Breeding	GPB-102	2018
4.	Principles of Seed Technology	GPB-301	2018

Handling of Research / Development Project / Consultancy (recent to old)

Title of the Project: Creation of seed Hubs for increasing indigenous production of Pulses in India.

Funding Agency: Ministry of Agriculture & Farmers Welfare, Government of India, implemented through Indian Council of Agriculture Research, Indian Institute of Pulses Research, Kanpur.

Duration: 03 years 2016-17 to 2018-19.

Completed / Ongoing: Ongoing

Research Guidance:

Sr. No.	Topic of Thesis	Name of Student	Degree	Year of Award
1.	Genetic evaluation of Soybean (<i>Glycine max</i> L. Merr.) genotypes under foothill condition of Nagaland	Ms. Madhubala Waikhom	M.Sc.	2015
2.	Genetic performance of local Soybean genotypes in comparison to some popular national varieties under foothill condition of Nagaland	Mr. Zachamo B. Humtsoe	M. Sc.	2016
3.	Genetic Studies of Sesame (<i>Sesamum indicum</i> L.) genotypes under foothill condition of Nagaland	Ms. Pc. Lalpantluangi	M. Sc.	2017
4.	Genetic evaluation of Sesame (<i>Sesamum indicum</i> L.) Genotypes under foothill condition of Nagaland	Mr. Thepfukolie Kehie	M. Sc.	2018

Seminars/Conferences/Workshops:

Sr. No.	Title	Place	Date & Duration	Presentation of Paper
1.	National Seminar on Biodiversity Conservation, Management and Utilization for Sustainable Development.	JNKVV, Jabalpur	19-20.04.2000 (02 days)	Poster
2.	National Seminar on Frontiers of Research and Development in Medicinal Plants	CIMAP Lucknow	16-18.09.2000 (02 days)	Poster
3.	6 th Agricultural Science Congress by National Academy of Agricultural Sciences	IISS Bhopal	13-15.02.2003 (02 days)	Poster
4.	National Interactive Meet-2004	CIMAP, Lucknow	29-30.10.2004 (02 days)	Poster
5.	International Conference on Sustainable Crop Production in Stress Environments: Management and Genetic Options	JNKVV Jabalpur	9-12.02.2005 (03 days)	Poster
6.	National Symposium on Tree Improvement for Sustainable Forestry	JNKVV, Jabalpur	04-06.11.2006 (03 days)	Poster
7.	International Conference on Sustainable Agriculture for Food, bio-energy and Livelihood Security	JNKVV Jabalpur	14-16.02.2007 (03 days)	Poster
8.	CCA-NER Orientation workshop on farmers led Rice cultivar development in Nagaland.	SASRD	19.03.2014 (01 Day)	Oral
9.	Workshop on capacity enhancement on communication and team building	SASRD, NU Medziphema	27-28.03.2014 (02 days)	Participation
10.	Thematic meeting on application of radiation technology and radio-isotopes in the field of agriculture, food and health.	Assam Agricultural University, Jorhat	28-30.05.2014 (03 days)	Participation
11.	Training cum Workshop on farmers led Rice cultivar development in Nagaland under CCA-NER, GIZ. Nagaland Empowerment of People through Economic Development NEPED.	ICAR-KVK, Dimapur, Jharnapani	02-06.09.2014 (05 Days)	Oral
12.	7 th National Seed Congress	MP seed and farm dev. Corp., Bhopal	25-27.09.2014 (03 Days)	Participation
13.	2 nd International conference on emerging trends in agriculture, horticulture and environmental engineering.	Jana-parishad and National Hort. Board, Bhopal	15-17.11.2014 (03 Days)	Poster
14.	National Seminar on Sustainable Horticulture <i>vis-à-vis</i> changing environment	Deptt. of Horticulture SASRD, NU, Medziphema	26-28.02.2015 (03 Days)	Oral
15.	Workshop in Intellectual Property Rights	IIT Guwahati	30.11.2016 to 01.12.2016 (02 Days)	Participation

Orientation / Trainings / Refresher Courses :

Sr. No.	Title	Place	Date	Duration
1.	Advance Instrumental Training	M. P. Council of Science & Technology, Bhopal MP	29/04/2003 to 03/05/2003	05 days
2.	Parthenium Management	NRC for Weed Science, Jabalpur MP	09/08/2005 to 11/08/2005	03 days
3.	Soyfoods :Adding Value to Soybeans	College of Agril. Engineering, JNKVV Jabalpur MP	04/07/2006 to 07/07/2006	04 days
4.	Current Regulations and Policies for Access to Genetic Resources	NBPGR, New Delhi	10/11/2009 to 19/11/2009	10 days
5.	Integrated Weed Management for Sustainable Agriculture	RVS Krishi Vishwa Vidyalaya, Gwalior MP	21/06/2011- 22/06/2011	02 days
6.	UGC Sponsored Orientation Programme	UGC, Academic Staff College, Devi Ahilya VishwaVidyalaya, Indore MP	12.02.2014 – 11.03.201	28 days
7.	Advances in improvement of vegetable crops using Biotechnological approaches	IARI, New Delhi	18.09.2015 to 08.10.2015	21 days
8.	Hands on training for faculty members on Biotechnology and its application in agriculture	SASRD, Nagaland University, Medziphema	03 rd – 09 th June 2016	07 days
9.	Massive Open Online Course (MOOC) on Competency Enhancement for Effective Teaching	ICAR, NAARM, Hyderabad	18.11.2016 to 22.12.2016	35 Days
10.	Conventional and Molecular Breeding Approaches for Increasing Soybean Productivity under Changing Climatic Situations in India	ICAR-Directorate of Soybean Research, Indore MP	16.01.2018 to 25.01.2018	10 Days
11.	Recent Trends in Sustainable Management of Soil Health for Doubling the Farmers' Income	Centre for Advance Faculty Training, J. N. Krishi Vishwa Vidyalaya, Jabalpur MP	18.09.2018 to 08.10.2018	21 Days

Other Publications:

Extension Publications	:	04
Popular Articles	:	17
Leaflets/ Folders	:	15
Radio Talks	:	12

Date: 01.10.2018

(Pankaj Kumar Shah)