

Profile

Prof. S. L. Godara

Vice Chancellor, Nirwan University Jaipur

- 1 Full Name : **DR. SHANKAR LAL GODARA**
- 2 Short Name : Dr. S. L. Godara
- 3 Father's Name : Sh. Norang Ram Godara
- 4 Date of Birth : 18th March, 1962
- 5 Present Address : D-9, Karni Nagar, Lallgarh Scheme,
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- 6 Permanent Address : D-9, Karni Nagar, Lallgarh Scheme,
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Presently working as Vice Chancellor, Jaipur from Sept. 2024. Nirwan University Jaipur was established by the Govt. of Rajasthan through Act No. 2 of 2017 and is recognized under section 2(f) of the UGC Act, 1956. During this period, university implemented NEP-2020, effective from the session 2024-25, aim to transform its academic programmes and prepare students for the future.

I had retired on 31st March, 2022 from the prestigious post of Director, HRD, SKRAU, Bikaner. During my tenure of 2 years in DHRD, I developed five online certificate courses as felt the motto of Agriculture University can be achieved only by making all production technologies, research results easily available for farmers. These courses *i.e;* *Jal Bachat Kheti, Jaivik Krishi, Mushroom Ki Unnat Kheti, Poultry farming, Value Added Products from Harvested Fruits & Vegetables* will help young entrepreneurs in increasing their income and generating employment. I have also worked as Nodal Officer, ICAR cell from 2020 to 2022.

During my tenure as a Director Research, 19 research projects were got sanctioned under RKVY. The findings of these projects will be helpful for developing new production and protection technologies ensuring increase in income of farmers of arid region. Important research projects are: 1. Mitigating limitations of groundnut production in hyper arid region. 2. Development and nutrient evaluation of value-added products of Olive. 3. Studies on post-harvest technology and processing of Date Palm. 4. Production technology on mushroom cultivation. 5. Development of economically viable indigenous cow-based farming system for arid region. 6. Evaluation of varieties and nutrient management in chickpea and wheat crops in *khadin* areas of Jaisalmer district. 7. Dissemination of post-harvest technology of arid foods for doubling the farmers' income.

Moreover, my restless toil brought three seed hubs into existence for storage of quality seeds of different crops. Highest production of breeder and T/L seed of high yielding varieties of various crops was achieved by special attention on seed farms of university. All three outcomes were the results of my efforts towards fencing, leveling and increased irrigation facilities of seed farms.

I have also served as Director Student's Welfare, SKRAU, Bikaner (2017-2018) and develop indoor stadium, play grounds for basketball and volleyball for student's welfare. University foundation day on 1st August, 2017 was also organized during the tenure for the first time after establishment of university.

I also served as a Zonal Director Research, ARS, Bikaner (2013-2017). I also worked in AICRP on *Arid Legumes* and developed several plant pathological recommendations for package of practices of Agro-Climatic Zone 1c and Zone 1b representing North –West Rajasthan. As a master trainer and a member of panel of expert examiner in the field of Plant Pathology, and organized various group meets and annual workshops of ICAR Projects during the tenure. The encroached land (10 ha.) of the university was freed from land mafia with my earnest efforts as a ZDR.

I joined Rajasthan Agricultural University in April, 1989 as an Assistant Professor (Plant Pathology) posted at KVK, Bhilwara. From 1990-1995, I served as an Assistant Plant Pathologist in AICRP on Rapeseed and Mustard at ARS, Sriganganagar.

From 1995 to 2018, I was actively involved in teaching and research as an Assistant, Associate Professor, Professor and Head in the Department of Plant Pathology and established one experiential learning unit on mass multiplication of bio-agents and guided 15 students of M.Sc. Ag and 08 students of Ph. D (Plant Pathology). I worked as a UG coordinator alongwith examination incharge and convener of selection committee for various posts of university as well as expert and examiner in RPSC, Ajmer.

I have been involved in research on management of plant diseases of important field crops viz; mustard, groundnut, cumin, mothbean, cowpea, pearl millet, clusterbean and post-harvest diseases of citrus, ber and guava fruits and Principal Investigator of five research projects on important crops of the region. I am a Fellow of "Indian Society of Mycology and Plant Pathology" and "Indian Society of Plant Pathologists" and have three decade long standing experience in the field of education, research and technology transfer. 84 research papers are published in national and international journals, two books on "Disease Management of Spices Crops" and "Detection and Diagnosis of Plant Diseases", 06 review articles and 07 bulletins and more than 45 popular articles in agriculture magazines on disease management and several practical manuals for undergraduate and postgraduate level.

I have worked as an **ANO, NCC in 7th Raj. Bn NCC from 2000 to 2017** in this university. I have also served as a member of **Academic Council** from 1998-2000 and **Board of Management** from 2013 -2015 of this prestigious university.

I did B. Sc. (Ag) from Rajasthan University, Jaipur, M. Sc. (Ag) Plant Pathology from Sukhadia University, Udaipur and Ph. D. (Plant Pathology) with state merit scholarship from Rajasthan Agricultural University, Bikaner.

Academic Qualifications (beginning from the first degree received):

S. No.	Degree/ Course	Year	Name of University	Remarks if any
1	B.Sc. (Ag.)	1982	Rajasthan University, Jaipur	NCC 'C' Certificate
2	M.Sc. (Ag.)	1985	Sukhadia University, Udaipur	Excellence in Athletics
3	Ph.D.	1995	Raj. Agril. University, Bikaner	Rajasthan merit scholarship with Award for merit

Teaching experience (from date of first appointment):

S. No.	Position	Duration		Total duration in years	Remarks if any
		From	To		
1.	Assistant Professor	April 1989	Dec.2005	17	1.Taught UG, PG & Ph D courses 2. Guided PG students. 3. Served as ANO, NCC

					• Developed software for diagnosis of post-harvest diseases of fruit crops. • Developed practical manuals for UG Courses.
2.	Associate Professor	Jan. 2006	Dec 2008	03	1. Taught UG, PG & Ph D courses. 2. Guided PG & PhD students. 3. Served as ANO, NCC • Developed Practical Manuals for UG Courses: • Guided two PG students.
3	Professor	Jan. 2009	March 2022	13	1. Taught UG, PG & Ph D courses. 2. Guided PG & Ph D students. 3. Served as ANO, NCC • Principal Investigator of five research projects on important research areas of arid region. • PI of AINP on Arid Legumes • Established Experiential Learning Unit on Mass multiplication of Bio-agents • Organize national conference of soil conservation society of India, 2016. • Books Published - 02 1. "Disease Management of Spice Crops". Madhu Pub. Bikaner (Raj.) 2. "Detection and Diagnosis of Plant Diseases". Scientific Publishers (India), Jodhpur. • Developed Practical Manuals for UG Courses.

Involvement with formulation of academic programmes:

S. No.	Nomenclature of Innovative Academic Programmes formulated	Date of approval by Academic council	Year of Introduction
1	• Formulation of UG and PG courses of department of Plant Pathology. • Experiential learning course "Mass production of bio-agents" formulated for UG programme. • Formulate NCC course for UG students.	2008 (IV Deans committee recommendations.)	2008
		2016 (V Deans committee recommendations.)	2016
2.	Certificate course on Jal Bachat Kheti	2020	2021
3.	Certificate course on Jaivik Krishi	2020	2021
4.	Certificate course on Mushroom Ki Unnat Kheti	2020	2021
5.	Certificate course on Poultry farming	2020	2021
6.	Certificate course on Value Added Products from Harvested Fruits & Vegetables.	2020	2021

Important MoUs formulated for academic collaborations:

S. No.	MoUs formulated	Name of Agencies/ Deptt. involved	Year of MoU
1	Integrated Agro-met Advisory Services	Directorate of Research, SKRAU, Bikaner with Indian Meteorological Deptt, Pune.	2018
2	Precision Farming Development Centre, Financed by GOI, N.D.	SKRAU, Bikaner with NCIPM, New Delhi	2019

Positions of Chairs:

S. No.	Name of Chair	Name of Agencies/ Deptt. involved	Period of holding the C
1	Chairman, ZREAC (Zone 1 c)	Deptt. of Agriculture, GOR & SKRAU scientists	4 years
2	Convener, National conference	Soil conservation society of India, ND	Feb, 17-19,2017
3	Chairman, Technical committee for Plant Protection of Arid Legumes	Annual group meet, AICRP on Aid Legu	2016 June, 2020
4	Nodal Officer, ICAR cell	SKRAU, Bikaner	2020-2022
5	Chairman, NSS, Sports Board	SKRAU, Bikaner	2017-2018
6	Director, Raj. State Seed Cooperation Jaipur	Raj. State Seed Cooperation, Jaipur	2018-2020
7	Member, BOM	SKRAU, Bikaner	2013-2015
8	Member, Academic Council	SKRAU, Bikaner	1998-2000 2013-2022

Administrative Experience:

S.No.	Name of Institution	Position Held	Task/ responsibilities assigned	Duration		Duration in Year	Remarks if any
				From	To		
1.	College of Agriculture, Bikaner	Hostel Warden	Hostel administration	1995	1999	5	Established 1 st hostel of the college
2.	COA, Bikaner	Asstt.Suptd. of exams	UG & PG Exams	1999	2013	14	Conducted smooth & transparent exams
3.	COA, Bikaner	ANO, NCC	Training of Cadets	2001	2017	16	100% result of B & C NCC certificate exams
4.	ARS, Bikaner	Zonal Director Research	Management of ARS	2013	2017	4	✓ Rejuvenate date palm project. ✓ Acquired 10 hac land for university. ✓ Record seed production of breeder seeds and Sewan grass
5.	COA, Bikaner	Prof. & Head Deptt. Plant Pathology	Head of the Department	2016	2018	2	Established ELU on bio-agents
6.	SKRAU, Bikaner	Director Student's Welfare, Chairman sports board	Students welfare, Sports & cultural activities of university students	2017	2018	1	Developed indoor stadium, play grounds of basketball and volleyball. Organized 1st time University foundation day on 1 st August, 2017.

7.	SKRAU, Bikaner	Director Research	1. Monitoring of research of the university, 2. Organize research and extension advisory meetings of different zones	2018	2020	1.5	(1) 19 research projects were sanctioned under RKVY. (2) Fencing, leveling and increased irrigation facilities of seed farms. (3) Highest production of breeder and T/L seed of high yielding varieties of various crops.
8.	SKRAU, Bikaner	Director, HRD	Orientation & training of faculties	2020	2022	2	1. Developed 05 online certificate courses. 2. Nodal officer of ICAR cell.

Research Experience:

S. N.	Name of Institution	Position Held	Task/ responsibilities assigned	Duration		Duration in Year	Remarks if any
				From	To		
1.	ARS, Sri Ganganagar	Asstt. Professor	Disease management of field & oil seed crops	1990	1995	5 years	1. Recommendation of Ridomil MZ 72 against white rust of mustard. 2. Assessment caused by post-harvest diseases of sweet orange
2.	College of Agriculture, Bikaner	Asstt. Prof., Assoc. Prof. & Professor	Teaching & Guiding of PG & Ph D students	2000	2013	13 years	Guided 09 M Sc (Ag) & 02 Ph D students
3.	ARS, Bikaner	ZDR & Professor	1. PI of AINP on arid legumes 2. Disease management of arid legume crops. 3. Guided PG & Ph D students. 4. Monthly meeting with Line Department. 5. Organized ZREAC Meet of Kharif & Rabi season.	2013	2017	4 years	1. Developed several plant pathological recommendations for Package of Practices of Agro-climatic Zone 1c. 2. Master Trainer of Plant Pathology. 3. Acquired university's land (10 hac.). 4. Guided 04 M Sc Ag & 01 Ph D students
4.	SKRAU, Bikaner	Director Research	1. Monitoring of Agriculture research of the university. 2. Nodal officer of research projects 3. Guided PG & Ph D students	2018	2020	1.5 yrs	1. 19 research projects were sanctioned under RKVY. 2. Highest production of breeder and T/L seed of high yielding varieties of various crops. 3. Guided 02 M Sc Ag students.

5.	SKRAU, Bikaner	Director, HRD	1. Guided Ph D students 2. Nodal Officer, ICAR cell 3. Refresher courses and training of faculties	2020	2022	2 years	1. Guided 04 Ph D students. 2. Developed five online certificate courses
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Special achievement:

S. No.	Name of the Institution	Position held	Period	Details of special achievement
1	Ministry of Agriculture & Farmer Welfare, GOI, ND.	O/I, Post Entry Quarantine of Plantation crops	2016-2018	Inspection of planting material of Date Palm and Pomegranate.
2	SKRAU, Bikaner	Professor	2010 & 2020	Published two books: 1. "Disease Management of Spice Crops". Madhu Pub. Bikaner (Raj.) 2. "Detection and Diagnosis of Plant Diseases". Scientific Publishers (India), Jodhpur. 3. Developed experiential learning unit on mass multiplication of bio agents
3	SKRAU, Bikaner	Principal Investigator	2013-2017	- Principal Investigator of five research projects on important research areas of the region funded by RKVY. - PI of AINP on arid legumes.
4	SKRAU, Bikaner	ZDR, ARS, Bikaner	2013-2017	Acquired university's land (10 hac.) from encroachment from land Mafia.
5	SKRAU, Bikaner	Professor		Fellow of "Indian Society of Mycology and Plant Pathology", Udaipur and "Indian Society of Plant Pathologists", Ludhiana

Awards/Honors/Merit Certificates/Applications/Fellow etc.

S. No.	Name of Award	Year	Details of awards	Contribution for which Award/given
1	Rajasthan merit scholarship	1987-89	Rajasthan merit scholarship	Ph.D. Research Programme
2	Merit award	1988	Stood 1 st in Ph D merit, RAU, Bikaner	Stood First in Ph D merit

3	Fellow	1998	1. Indian Society of Mycology and Plant Pathology, Udaipur. 2. Indian society of Plant Pathologist, Ludhiana.	Plant Pathology Research
4	Leadership Award	2015	Soil Conservation Society of India, New Delhi	Organized 25 th NC “National Resources management for sustainable agriculture in arid and semi-arid ecosystem”, at SKRAU, Bikaner from 17-19 Feb,2016
5	Appreciation Letter	2016	Soil Conservation Society of India, New Delhi	Organized 25 th NC “National Resources management for sustainable agriculture in arid and semi-arid ecosystem”, at SKRAU, Bikaner from 17-19 Feb,2016
6	Appreciation Award by Vice Chancellor	15 Aug, 2016	Contribution in Agri Research, SKRAU, Bikaner	Agriculture Research in hyper arid zone
7	Editor	2016-17	Editor of Annals of Plant and Soil Research	Editing of research papers

Association with National Level institutions/agencies:

S. No.	Name of Institution	Nature of Association	Period with de		Contribution done
			From	To	
1	IIPR, Kanpur	Conduct AICRP Arid legumes pl pathological experiments	2013	2018	Worked as P I(Plant Pathology) of the project for 5 years.
2	Ministry of Agriculture & Farmer welfare, GOI	Post Entry Quarantine of Plantation crops viz., Date Palm Pomegranate	2016	2018	Inspection of planting material
3	Raj State Seed Coop, Jaipur	Member of Board of Directors	2018	2019	Monitor state seed policy

Consulting Experience:

List key consulting assignments undertaken:

S. No.	Client/ Organization's name	Nature of assignment	Duration of assignment
1.	Rallis India Ltd.,	Testing of pesticides	2014-2019
2.	Krishi Rasayan Export Pvt Ltd.,		
3.	Bayer India Ltd.,		
4.	Nagarjuna Chemicals.		
5.	Pesticide India		

Guide assignments:

S.No.	Level	No. of Students Guided
1.	PG (Plant Pathology)	15
2.	Ph D (Plant Pathology)	08

Academic, Research and Administrative experience during university service period (1989-2024):

- **Presently Working as Vice Chancellor, Nirwan university, Jaipur from Sept., 2024 to till date.**
- Guest faculty at Ch. Parma Ram Godara Agriculture College, Bhadra from July 2023 to June 2024.
- Retired as Director HRD, SKRAU, Bikaner on March, 2022.
- Worked as Nodal Officer ICAR cell, SKRAU, Bikaner from 2020-2022.
- Worked as Director Research, SKRAU, Bikaner from 2018 to 2020.
- Member of Board of Directors of Raj. State Seed Coop., Jaipur from 2018 to 2020.
- Nodal Officer of NSS, Anti Ragging Committee of the university.
- Chairman of University Sports Board, SKRAU, Bikaner.
- Member, committee of courses, SKNAU, Jobner.
- Worked as Director Students Welfare, SKRAU, Bikaner.
- Convener of Foundation Day celebration of this University.
- Convener of University Central Students Union Election, SKRAU, Bikaner.
- Convener of selection committee for various posts of the university.
- Professor and Head, Deptt. of Plant Pathology, SKRAU, Bikaner.
- Nodal officer of Research Projects of ICAR and State funded RKVY projects of this university.
- Convener of technical programme committee for plant protection of AINP arid legumes.
- Chairman of ZREAC of Agro climate Zone 1c.
- Incharge of Quarantine inspection of imported crops like pomegranate and date palm.
- Master trainer of Plant Pathology of Arid crops.
- Expert and Examiner in RPSC, Ajmer and Raj Sec Exam Board, Ajmer.
- Zonal Director Research of Bikaner from 2013 to 2017.
- Convener of National Conference Soil Conservation held at SKRAU, Bikaner, Feb, 17-19, 2016.
- Life member of two Scientific Journals of Plant Pathology.
- Coordinator of two Winter Schools organized at SKRAU, Bikaner.
- Member of Academic council and BOM of this university.
- Associated NCC Officer in NCC for 16 years up to **Captain Rank** (2001-2017).
- Warden of University Hostel for 5 years.
- Security officer of University for 11 years.
- Guided M Sc Ag 15 and 07 Ph D students.
- Assistant Professor, Plant Pathology since April, 1989.

Publication output:

(a) No. of research papers published in International journals	:	26
(b) No. of research papers published in National journals	:	58
(c) Books edited/ chapters/review articles	:	10
(d) Popular articles	:	43
(e) Certificate courses/Training modules	:	05
(f) Papers presented in International conference/seminars/workshops	:	09
(g) Papers presented in National conference/seminars/workshops	:	19
(i) Any others publications	:	18

Experience—37 years (Agriculture Teaching, Research, Extension and Administration).

List of publications (Prof. S. L. Godara)

Research Paper Published in International Journals:

1. **Godara, S. L.** and Thakore, B.B.L. 1986. Control of mixed infection of leaf spots and rust disease of groundnut by triadimefon and triadimenol, their absorption, translocation and persistence. *Summa phytopathologica*. 5: 122-132.
2. Gangopadhyay, S., Bhatia, J.N. and **Godara, S. L.** 1996. Comparative efficacy of fungicides in controlling leaf spots of groundnut in India. *IAN*. 16: 33-35.
3. Choudhary, ML, Verma, I M, Singh, Jitendra and **Godara, S.L.** 2012. Studies on aonla (*Emblica officinalis*) nectar and biochemical changes with advancement of storage period. *Asian J. Hort.*, 7(1): 128-132.
4. Suresh Kumar, **Godara S. L.** Gangopadhyay, S, Raj Kumar and Shrawan Singh. 2013. Effect of climatic factors on fruit rots (*Alternaria alternata* and *Aspergillus niger*) of ber (*Zizyphus mauritiana* Lamk.) and their management systems. *African Journal of Microbiology Research*. 50(7): 5742-5748. NAAS 4.00.
5. **Godara, S.L.**, Mool Chand, Bairwa, S.K. and Chanderkala. 2014. Bio-efficacies of botanicals against *Sclerotinia sclerotiorum* the causal agent of mustard Sclerotinia stem rot. *J. Appl. Biosci.* 40 (1): 25-31. NAAS 3.68.

6. Bairwa, S. K., **Godara, S. L.**, Gangopadhyay, S. and Pradeep Kumar 2014. Management of Sclerotinia stem rot (*Sclerotinia sclerotiorum*) in Indian mustard (*Brassica juncea* L.) through bio-agents. *Annals of Agricultural Research*, **35 (3)**: 244-248. NAAS 4.62.
7. Bairwa, S. K., **Godara, S. L.** and Susheela Meena, 2015. *In vitro* efficacy of fungicides on Sclerotinia sclerotiorum and their potential for control of stem rot in Indian mustard (*Brassica juncea* L.). *International Journal of Bio-resource and Stress Management*, **6 (4)**: 497-502. NAAS 5.40.
8. Bairwa, S. K., **Godara, S. L.**, Susheela Meena, Jatav, N. K. and Bairwa, R C. 2014. Effect of fertilizers and soil amendments on incidence of Sclerotinia stem rot in Indian mustard (*Brassica juncea* L.). *African Journal of Microbiological Research*, **8 (42)**: 3650-3655. NAAS 6.00.
9. Bairwa, S. K., **Godara, S. L.**, Pradeep Kumar, Bairwa, R. C. and Gangopadhyay, S. 2014. Biochemical factors and enzyme governing resistance in Indian mustard (*Brassica juncea* L.) against Sclerotinia stem rot (*Sclerotinia sclerotiorum*). *African Journal of Microbiological Research*, **8 (36)**: 3295-3306. NAAS 6.00.
10. Suresh Kumar, Gangopadhyay, S and **Godara S. L.** 2016. Antagonistic potentiality of bioagents against wilt of cumin (*Cuminum cyminum*) caused by *Fusarium oxysporum* f. sp. *cumini*. *Indian Journal of Agricultural science*. 86(10):1350-1356. NAAS:6.30.
11. Rajendra Nasnwa, **Godara S. L.**, Kakraliya, G. L., Choudhary, Sajjan and Bana, O. P. 2017. Physiological variation among isolate of *Drechslera setariae* of inciting Leaf spot of pearl millet. *International Journal of Chemical Studies*.5 (4) 503-505.
12. Rajendra Nasnwa, **Godara S. L.**, Kakraliya, G. L., Choudhary, Sajjan, Dinesh kumar and Choudhary Ramraj. 2017. Evaluation of genotypes of pearl millet against Leaf spot disease. *International Journal of Chemical Studies*.5 (3) 596-599.
13. Rajendra Nasnwa, **Godara S. L.**, Kakraliya, G. L. and Choudhary, Sajjan, 2017. Efficacy of fungicides against *Drechslera setariae* causing leaf spot disease of pearl millet *Pennisetum glaucum* (L.) *in vitro*. *Journal of Pharmacognosy and Phytochemistry*. 6 (4) 1785-1787.
14. Priyanka; **Godara, S. L.**, Meena, A.K. and Kumar, S., 2017. Evaluation of bioagents against *Rhizoctonia solani* Kuhn incitant of cowpea (*Vigna unguiculata* L. Walp.) web blight disease. *Int. J. Pure App. Biosci*. **5(6)**: 1450-1456.
15. Priyanka; **S. L. Godara**; Anand Kumar and Sunaina Varma. 2017. Field reaction of cowpea genotypes against *Rhizoctonia solani* Kuhn inciting Web blight disease. *Bull. Env. Pharmacol. Life Sci.*, **8(1)**: 133-136.

16. Ramji Lal Meena, **Shankar Lal Godara**, Ashok Kumar Meena and Prabhu Narayan Meena. 2018. "Evaluation of Efficacy of Different Bioagents and Fungicides against *Rhizoctonia solani* (Kuhn)." *Int. J. Curr. Microbiol. App. Sci.* 7(09): 3694-3703.
17. Ramji Lal Meena, **Shankar Lal Godara**, Ashok Kumar Meena and Prabhu Narayan Meena, 2018. "Effect of different physiological parameters on the growth and sporulation of *Rhizoctonia solani* (Kuhn)" *International Journal of Chemical Studies* 2018; 6(4): 3370-3373.]
18. Rajendra, N; **Godara, S L** and Singh, M. 2018. Efficacy of Biocontrol Agents against *Drechslera setariae* Causing Leaf Spot of Pearl Millet. *International Journal of Current Microbiology and Applied Sciences.* 7. 1035-1039. cited 01
19. Mohit Kumar; Data Ram Kumhar; **Shankar Lal Godara** and Surbhi Garg. 2020. Evaluation the Efficacy of Plant Extracts and Bio-agents against *Macrophomina phaseolina* in vitro. *Int. J. Curr. Microbiol.App. Sci.* 9 (05): 3474-3481.
20. Mahendra Partap and **Godara, S. L.** 2020. Nutritional and Physiological Requirement of *Macrophomina phaseolina* (Tassi) Goid. Causing Dry root rot of Chickpea. *Int. J. Curr. Microbiol. App. Sci;* 9 (01): 690-697.
21. Dinesh Kumar, **S.L. Godara**, A. K. Meena and D. R. Kumhar. 2020. Evaluation of different fungicides in the control of purple blotch [*Alternaria porri* (Ellis) Cif] of onion. *International Journal of Chemical Studies;* 8(6): 2173-2176.
22. Prahlad and **Godara. S.L.** 2022. Assessment of genetic diversity in different isolates of bacterial blight *Xanthomonas axonopodis* pv. *cyamopsidis* of clusterbean pathogen using RAPD markers. *Scientist.* 1[3]:5135-5143. [Scientist|08903670|NAAS: 6.00.
23. Prahlad, **Godara, S L**, Dinesh Kumar, M. K. Sheshma, A. K. Meena and Anupriya. 2022. Pathogenicity test and convenient inoculation method of *Xanthomonas axonopodis* pv. *cyamopsidis* caused by bacterial blight of clusterbean. *Scientist.* 1(3): 4906-4912. NAAS: 6.00.
24. Prahlad, **Godara, S L**, A K Meena, Vinay Kumar Kardam and Anupriya 2022. Morphological and physiological characterization of bacterial blight of clusterbean [*Cyamopsis tetragonoloba* [L.] Taub.] incited by *Xanthomonas axonopodis* pv. *cyamopsidis*. *Scientist.* 2[1]:164-179. NAAS: 6.00.
25. Vinay Kumar Kardam, Meena A K, **Godara, S L**, Prasad, D and Prahlad 2023. Epidemiological studies on disease progression of pearl millet varieties against *Drechslera setariae* in arid western plains of Rajasthan. *Scientist|* 08903670. NAAS: 6.00.
26. Prahlad, **Godara, S L**, A. K. Meena, Dinesh Kumar, M. K. Sheshma and Anupriya 2023. Screening of cluster bean genotypes/varieties for resistance to *Xanthomonas axonopodis* pv.

cyamopsidis using two methods of inoculation. *International Journal of Plant & Soil Science*. 35 (1): 112-117. NAAS: 5.07.

Research Paper Published in National Journals:

27. **Godara, S. L.** and Thakore, B.B.L. 1987. Some physiological changes in groundnut leaf due to spraying of triadimefon and triadimenol. *Indian J. Mycol. Pl. Pathol.* 17: 179-181. NAAS:4.61.
28. Gangopadhyay, S., Bhatia, J. N. and **Godara, S. L.** 1993. Chemical control of white rust of mustard. In: K. Murlidharan and C.S. Reddy, Eds. Plant Disease Problems in Central India 1993. Proc. Sym. Central Zone, *Indian Phytopathol. Soc.* Directorate of Rice Research, Hyderabad, pp. 105. NAAS:5.97.
29. Bhatia, J. N., **Godara, S. L.** and Gangopadhyay, S. 1994. Studies on phenolic contents in mustard genotypes in relation to white rust disease. *Pl. Dis. Res.* 9 (2): 169-171.
30. **Godara, S.L.** and Pathak, V.N. 1995. Effect of plant extracts on post-harvest rotting of sweet orange fruits. *Indian J. Mycol. Pl. Pathol.* 25 (1&2): 134-135. NAAS:4.61.
31. Gangopadhyay, S., Bhatia, J.N. and **Godara, S. L.** 1996. Evaluations of fungicides for the control of collar rot of groundnut. *Indian J. Mycol. Pl. Pathol* 26 (3) : 278-279. NAAS:4.61.
32. **Godara, S.L.** and Pathak, V.N. 1998. Integrated disease management of post-harvest rots of sweet orange fruits. *Indian Phytopath.* Golden Jubilee Proceeding, 757-759.
33. Pradeep Kumar and **Godara S.L.** 2005. *In vivo* evaluation of fungicides on disease intensity and yield of cumin caused by *Alternaria burnsii*. *Pl. Dis Res.* 20 (1).102.
34. **Godara, S.L.** and Pathak, V.N. 2005. Influence of temperature and relative humidity on incidence of *Penicillium* and *Botryodiplodia* rots of sweet orange fruits. *Pl. Dis Res.* 20 (1). 103.
35. Suresh Kumar, **Godara, S.L.** and Gangopadhyay, S. 2005. Effect of fungicides against post harvest fruit rots in ber caused by *Alternaria alternata* and *Aspergillus niger*. *J. Mycol. Pl. Pathol.* 35 (2): 373-374. NAAS:4.61.
36. Vijay pal, Rathore, G.S. and **Godara, S.L.** 2006. Screening of genotypes of date palm against *Alternaria* leaf spot. *Indian J. Arid Hort.* 1(2): 62-63.
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65. Suresh Kumar, Gangopadhyay, S and **Godara S. L.** 2016. Antagonistic potentiality of bioagents against wilt of cumin (*Cuminum cyminum*) caused by *Fusarium oxysporum* f. sp. *cumini*. *Indian Journal of Agricultural science*. 86(10):1350-1356. Cited 01(NAAS: 6.37).

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69. Singh, S P, Yadav, R S, **Godara, S L**, Kumawat, A. 2017. Efficiency of herbicides in groundnut (*Arachis hypogaea*) under hot arid conditions of Rajasthan. *Indian Journal of Agronomy* 62 (2), 201-205. **Cited 04**
70. Kala Chandar and **Godara, S L**. 2018. Evaluations of mustard genotypes against sclerotinia stem rot in Indian mustard under artificial inoculation conditions. *Plant Disease Research*. 33 (1), 41-45. **Cited 01**
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72. Pareek, N.K., Verma, Jitendra Kumar, **Godara, S.L.** and Kumar, A. 2018. Effect of tillage practices on soil moisture status and performance of pearl millet cultivars under rainfed conditions. *Journal of Soil and Water Conservation* 17(4): 372-377.
73. **Godara S L** and Suresh Kumar. 2020. Efficacy of bioagents against root rot disease of groundnut caused by *Macrophomina phaseolina*. *Indian Journal of Plant Protection*. 46 (2-4): 163-169.
74. Priyanka, **S L Godara**, Suresh Yadav, A C Mathur and Anand Kumar Meena. 2021. Biological management of cowpea web blight incited by *Rhizoctonia solani*. *Indian Journal of Agricultural Sciences* **91** (4): 582–586.
75. **Godara S. L.** and Narendra Singh. 2021. Management of bacterial leaf blight (*Xanthomonas axonopodis* pv. *cymopsidis*) of clusterbean in Rajasthan. *Indian Phytopathology*. Published, online, Jan. 2021. NAAS:5.97.
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77. Pareek, N.K., **Godara, S.L**, Kumar, Anand, Shri Rakesh and Kumawat Amit. 2021. Effect of moisture conservation practices on performance of cluster bean under rainfed condition. *Journal of Soil and Water Conservation*, 20(4): 431-435.

78. Vijay Shree Gahlot, Data Ram Kumhar, **Godara, S L** Devender Kumar and Nitika Kumari. 2022. Biochemical analysis of clusterbean against stem rot incited by *Sclerotium rolfsii*. *The Pharma Innovation Journal*; 11(2): 1602-1607. (NAAS: 5.23).
79. Dinesh Kumar, **Godara, S L**, A K Meena and B D S Nathawat. 2022. Response of different fungicide on purple blotch [*Alternaria porri* (Ellis) Cif] of onion. *The Pharma Innovation Journal*; 11(2): 176-179. (NAAS: 5.23).
80. Sunil Kumar Pipliwal and Godara, S L (2022) Effect of fungicides on spore germination and mycelial growth of *Colletotrichum capsici* causing anthracnose of chilli. *Indian Journal of Plant Protection*. Vol. 50 No. 1, 47-50. NAAS:4.46.
81. Sunil Kumar Pipliwal and Godara, S L (2022) Enzymatic activity in fruits of chilli infected by *Colletotrichum capsici*. *The Pharma Innovation Journal*. 11(2): 1973-1977.
82. Sunil Kumar Pipliwal and Godara, S L (2022) Role of biochemical constituents in fruit rot of chilli. 1[3]: 5135-5143. DOI: *The Pharma Innovation Journal*. 11(2): 1989-1994.
83. Vinay Kumar Kardam, Meena, A K and Godara, S L (2023) Status of Bipolaris leaf spot disease (*Bipolaris setariae*) of pearl millet in Rajasthan. *Indian Phytopathology*. Published online 28 March, 2023. <https://doi.org/10.1007/s42360-023-00618-9>. NAAS:5.97.
84. Prahlad, Godara, S L, A. K. Meena and Anupriya (2023) Occurrence and distribution of bacterial blight of clusterbean incited by *Xanthomonas axonopodis* pv. *cyamopsidis* in major growing area of Rajasthan. *Agriculture Association of Textile Chemical and Critical Reviews Journal*. 409-414. Available Online www.aatcc.peerjournals.net.

Summer/ winter school organized:

- 1 Refresher course on Management of post-harvest diseases of fruits. Organized by Raj. Agril. University. Bikaner, August 09-21, 1999.
- 2 Winter school on- Recent advances in IDM in crops of arid region. Sponsored by ICAR at Raj. Agril. University. Bikaner, Nov 6-26, 2006.

Awards and Honors:

1. Rajasthan merit scholarship in Ph.D. Programme, 1987-89
2. Award for merit in Ph.D. Programme, 1988
3. Fellow of Indian Society of Mycology and Plant Pathology, Udaipur, 1998
4. Leadership award, soil conservation society of India, New Delhi, 2015
5. University Appreciation award by Vice Chancellor, SKRAU, Bikaner, 2016 for outstanding services.
6. **Certificate of Reviewing** awarded by Indian Phytopathology, Indian Phytopathological Society, New Delhi (2020).

Life Membership of Scientific Societies:

- Society of Mycology and Plant Pathology—Udaipur.
- Indian Society of Plant Pathologist—Ludhiana.

Review Articles:

1. Pathak, V.N., **Godara, S.L.**, Majumdar, V.L. and Mishra, J.S. 2001. "Post harvest diseases of tropical and subtropical fruits and their management'. Diseases fruits and vegetables and their management. Kalyani Publishers, New Delhi, Ed. T.S. Thind, pp. 196-217.
2. Surendra Singh, **Godara, S. L.**, Gangopadhyay, S. and Jadon, K. S. 2012. Induced resistance against *Alternaria brassicae* blight of mustard through plant extracts. Archives of Phytopathology and Plant Protection. Taylor & Francis. Pp 1-10.
3. Kuldeep Sharma, O P Sharma, S M Yadav, S K Tak, Jagdish Prasad, **Godara, S L**, R B S Gurjar, H R Bishnoi, S M Mehta, R S Sharma and Shikha Bhatia. 2013. Integrated Disease Management in Seed Crops, Aavishkar Publishers, Jaipur, India. Ed. O P Khedar, R V Singh & Baldev Ram, pp. 62- 71.
4. Chandar Kala., Meena, Ashok Kumar and **Godara, S.L.** 2014. "Role of *Arbuscular Mycorrhiza* in Agriculture". Microbial Biodiversity in Sustainable Agriculture. Daya Publishing House, New Delhi. Ed. Dr. Ram Chandra, pp 211–242.
5. Ashok Kumar Meena, **Shankar Lal Godara** and Anand Kumar Meena. 2016 "Dispersal and Adaptation of Phytopathogens on the Global and Continental Scales and its Impact on Plant Disease" written by in: "The Phytopathogen:- Evolution and Adaptation" written by Dr. Abhijeet Ghatak and Mohammad Ansar, *Apple Academic Press, 9 Sppinaker Way, Waretown, NJ 087558 USA*.
6. Ashok Kumar Meena, **Shankar Lal Godara**, Prabhu Narayan Meena, and Anand Kumar Meena 2019. Foliar Fungal Pathogens of Cucurbits. written by in: The Vegetable Pathosystem Ecology, Disease Mechanism, and Management Editors: Mohammad Ansar and Abhijeet Ghatak, *Apple Academic Press. Ontario, Canada*.
7. Prahlad, Godara, S L, A K Meena, Vinay Kumar Kardam and Anupriya 2022. Morphological and Physiological characterization of Bacterial blight of Clusterbean [*Cyamopsis tetragonaloba* (L.) Taub.] Incited by *Xanthomonas axonopodis* pv. *cyamopsidis*. Scientist. 2022;2[1]: 164-179. DOI: <https://doi.org/10.5281/zenodo.7551859>.

Book Published:

1. Godara, S.L., Kapoor, B.B.S. and Rathore, B.S. 2010. Disease Management of Spice Crops. Madhu Publications. Bikaner, Rajasthan. pp 164.
2. Meena, A.K; Godara S.L. and Meena, P. N. 2020. Detection and Diagnosis of Plant Diseases. Published by Scientific Publishers (India), Jodhpur.

Bulletins and Other Publications:

1. Godara, S.L. and Deshwal, H.L. 2012. Information Bulletin 2011-12, Faculty of Agriculture, SKRAU, Bikaner.
2. Godara, S.L. and Deshwal, H.L. 2012. Syllabus for B.Sc. (Ag) Honors, Faculty of Agriculture, SKRAU, Bikaner.
3. Surendra Singh, Godara, S. L., Gangopadhyay, S. 2013. Effect of plant extracts on *Alternaria brassicae* in mustard. LAMBERT Academic Publishing. Email: info@lap-publishing.com.
4. Godara, S.L. and Deshwal, H.L. 2013. Syllabus for Post Graduate programme [M.Sc. (Ag.) & Ph. D.], Faculty of Agriculture, SKRAU, Bikaner.
5. Godara S.L, Naqvi. A. R. Deshwal H.L. and Singh S. P. 2016. Groundnut: Varatman Samay me mungfali ki unnat prodhyogiki.ARS, SKRAU, Bikaner.
6. Sekhawat S. S., Sekhawat R. S., Godara S. L. and Kumawat S.M. 2016. Azolla: Ek uttam pashu ahhar. ARS, SKRAU, Bikaner.
7. Godara, S.L., Sharma, M. M., Meena, A. K., Nathawat, B. D. S. and Jakhar, R. P. 2019. Rabi aur Kkharif ki faslo me lagne wale pramukh rog avm unka parbandhan. NSP, SKRAU, Bikaner

Lectures delivered:

- 1 Godara S L. 2006. Major diseases of rabi crops viz; wheat, mustard, chickpea and spices crops. Course- Plant protection chemicals for certificate course on Agri-entrepreneurship at IABM, SKRAU, Bikaner during January 1-March 31, 2006.
- 2 Godara S L. 2006. Classification and characteristics of fungicides and antibiotics. Course-Plant protection chemicals for certificate course on Agri-entrepreneurship at IABM, SKRAU, Bikaner during January 1-March 31, 2006.
- 3 Godara S L. 2006. Production technology on mushroom. Course-Plant protection chemicals for certificate course on Agri-entrepreneurship at IABM, SKRAU, Bikaner during January 1-March 31, 2006.
- 4 Godara S L. 2006. Integrated Management of Post harvest Rots of Arid Region Fruits. Winter School on Recent Advances in Integrated Disease Management in Crops of Arid Region from Nov, 6-26, 2006 at Raj. Agri. University, Bikaner.
- 5 Godara S L. 2006. Identification of Post harvest Diseases of Fruits with computer software. Winter School on Recent Advances in Integrated Disease Management in Crops of Arid Region from Nov, 6-26, 2006 at Raj. Agril. University, Bikaner.
- 6 Godara S L. 2009. Major diseases of citrus fruits and their management, Diploma course on Horticulture management at KVK, SKRAU, Bikaner on 26 Nov. 2009.
- 7 Godara S L. 2009. Post harvest disease management of citrus fruits. Diploma course on Horticulture management at KVK, SKRAU, Bikaner on 26 Nov. 2009.
- 8 Godara S L. 2009. Major diseases of dry land area fruits and their management, Diploma course on Horticulture management at KVK, SKRAU, Bikaner on 27 Nov. 2009.
- 9 Godara S L. 2011. Post harvest diseases of fruits and their management, One Year Diploma course on Horticulture supervisor at Land Scape Cell, DEE, SKRAU, Bikaner. from May 2011-April 2012.
- 10 Godara S L. 2011. Diseases of Arid fruits and their management, One Year Diploma course on Horticulture supervisor at Land Scape Cell, DEE, SKRAU, Bikaner. from May 2011-April 2012
- 11 Godara. S. L. 2018 “Integrated Disease Management of forage Crops” Lecture delivered in ICAR sponsored Winter School on “Fodder management strategy for sustainable livestock production under climate change scenario” held at IABM, SKRAU, Bikaner from 2-23 September, 2018.

- 12 Godara. S. L. 2018 “Integrated Disease Management of fruit Crops” Lecture delivered in ICAR sponsored Winter School on “Fodder management strategy for sustainable livestock production under climate change scenario” held at IABM, SKRAU, Bikaner from 2-23 September, 2018.
- 13 Godara, S. L., Naqvi, A. R., Deshwal, H. L. and Singh, S. P. 2019. Diagnosis and remedial measures of major groundnut production limiting factors in tube well irrigated light soil area. Lecture delivered in *National Seminar-2019 “Holistic Approach for enhancing agricultural growth in changing rural scenario”* held at SKRAU, Bikaner from Nov. 14-16, 2019.
- 14 Godara S L 2020. Management of soil borne diseases in arid region. National Webinar on “Integrated Farming System Approach for Entrepreneurship Development during COVID-19 Pandemic” 23-24 June, 2020.
- 15 Godara S L 2020. Bioagents: an important tool for management of soil borne diseases in arid region. National Webinar on “Integrated Farming System Approach for Entrepreneurship Development during COVID-19 Pandemic” 23-24 June, 2020.
- 16 Godara S L 2022. Biotic stress management of arid fruits and vegetable crops. Lecture delivered in ICAR sponsored winter school on “Advances in irrigation technology and nutrient management in arid horticulture crops”, held at DHRD, SKRAU, Bikaner from 8-28, March, 2022.
- 17 Godara S L 2022. Management of biotic stress of arid region crops. Lecture delivered in ICAR sponsored winter school on “Management of soil borne diseases” held at Department of Plant Pathology, SKNAU, Jobner, March, 2022.
- 18 Godara S L 2024. Importance of plant disease management in arid region. Lecture delivered in ICAR sponsored winter school on “Effective strategies for modern plant disease management”, held at DHRD, SKRAU, Bikaner from 6-26, Feb, 2024.

Certificate courses Developed & Published by SKRAU, Bikaner: 05

1. Jal Bachat Kheti
2. Jaivik Krishi
3. Mushroom Ki Unnat Kheti
4. Poultry farming
5. Value Added Products from Harvested Fruits & Vegetables.

International Symposium/Conference/ Workshops attended:

1. Pathak, V.N. and Godara, S.L. 1988. Biocontrol of post-harvest rots of fruits. International Conference, India, Delhi. 07-11 March 1988.
2. B.B. Lal, Thakore and Godara, S.L. 1988. Absorption and movement of triadimefon and triadimenol in pea nut plant and their effect on rust and leaf spot development. 5th International Congress of Plant Pathology Section, IX Poster 1-18, Kyoto, Japan, 1988.
3. Gangopadhyay, S., Bhatia, J.N. and Godara, S.L. 1995. Effect of dates of sowing and weather variables on white rust of mustard. Paper presented in the "Global Conference on Advances in Research on Plant Diseases and their Management" held at RCA, Udaipur. 12-13 Feb, 1995. (Abstr. in proceedings session Plant Disease related Studies VI.32, pp 99.)
4. Godara, S.L. and Pathak, V.N. 1998. Computer software for identification of post harvest diseases of fruits. Poster presented in VIIth International Congress of Plant Pathology, held at Edinburgh, Scotland, August 09-16, 1998.

5. Godara S L. 2012. Influence of plant growth regulators on severity of post harvest fruit rots of guava and citrus fruits. Paper presented in International conference on "Extension Education in the perspectives of advances in natural resource management in agriculture (NaRMA-IV)" held at SKRAU, Bikaner, India from Dec 19-21, 2012.
6. Shekhawat S. S., Kumawat S.M. and Godara S. L. 2016. Pasture establishment and sustainability in arid region of Rajasthan, India: Prospects and constraints. Paper presented in XXIII International Grassland Congress. Nov. 20-24, 2015, held at New Delhi
7. Kumawat, S. M., Dushyant Singh, Mohd. Arif, Shekhawat S.S, Rathore P. S., Gangopadhyay, S, Godara, S. L. and Suresh Kumar, 2017. Study on Sewan grass pasture establishment and seed collection technique in western Rajasthan. Paper presented in XXIII International Grassland Congress. Nov. 20-24, 2015, held at New Delhi.
8. Godara S. L. 2017. Response of mustard varieties to date of sowing and fertilizer application in arid Rajasthan. Oral presented in International seminar on oilseed Brassica ISOB held at SIAM, Jaipur from 23-27, 2017.
9. Godara S. L. 2017. International workshop on olive and jojoba, organized by ROCL, GOR, Jaipur from 18-22 Jan, 2016.

National Symposium/Conference/ Workshops attended:

10. Godara, S.L. Gangopadhyay, S. and Bhatia, J.N. 1993. Occurrence of post-harvest disease of kinnow in SriGanganagar. Paper presented in Symposium on "Plant Disease Management with special reference to Horticultural Crops of Rajasthan" held at Jaipur, 29-30 Sept., 1993, Abstr. No. 5.
11. Gangopadhyay, S., Godara, S.L., Kaul, M.K. and Bhatia, J.N. 1993. Prevalence of disease in citrus orchards of SriGanganagar district of Rajasthan. Paper presented in Symposium on "Plant Disease Management with special reference to Horticultural Crops of Rajasthan" held at Jaipur, 29-30 Sept., 1993. Abstr. No. 5.
12. Gangopadhyay, S., Godara, S.L., Kaul, M.K. and Bhatia, J.N. 1993. Prevalence of disease in citrus orchards of Sri Ganganagar district of Rajasthan. Paper presented in Symposium on "Plant Disease Management with special reference to Horticultural Crops of Rajasthan" held at Jaipur, 29-30 Sept., 1993. Abstr. No. 4.
13. Bhatia, J.N., Godara, S.L. and Gangopadhyay, S. 1993. Antagonistic potentiality of *Trichoderma* sp. against *Macrophomina phaseolina*. Paper presented in the Annual conference and National Symposium on "Innovative Approaches in Plant Disease Management" held at PAU, Ludhiana, 25-27 Nov. 1993.
14. Gangopadhyay, S. Bhatia, J.N., Godara, S.L. and Pundhir, P. 1993. Identification of source of resistance against white rust (*Albugo cruciferarum*) and mixed infection of mustard. Paper presented in the Annual conference and National Symposium on "Innovative Approaches in Plant Disease Management" held at PAU, Ludhiana. 25-27 Nov, 1993. (Abstract in Indian Journal of Mycology and Phytopathology 47 (3): 306, Abstr No.).
15. Godara, S.L., Gangopadhyay, S. and Bhatia, J.N. 1993. Assessment of yield losses due to white rust and mixed infection in mustard. Paper presented in the Annual conference and National Symposium on "Innovative Approaches in Plant Disease Management". Jointly organized by Indian Phytopathological Society, New Delhi and Society of Mycology and Plant Pathology, Udaipur, held at PAU, Ludhiana. 25-27 Nov, 1993. (Abstr. In Indian Journal of Mycology and Plant Pathology: 24 (1) pp 74).
16. Godara, S.L. and Pathak, V.N., 1998. Effect of homoeopathic drugs on post harvest rotting of orange fruits. 85th session of Indian Science Congress. Hyderabad, Jan.3-7.1998.
17. Gangopadhyay, S., Godara, S.L. 1999. The effect of fertilizers and fungicides on white rust and *Alternaria* blight in mustard. Presented in 4th Agricultural Science Congress held at Jaipur, February, 21-24, 1999 (Abstr in proceedings No. p 259, pp 140).

18. Godara, S.L. and Pathak, V.N. 1999. Value addition of post-harvest fruits by plant growth regulators. Paper presented in IVth Agricultural Science Congress, held at Jaipur, February 21-24, 1999.
19. Mishra, J.S., Godara, S.L. and Pathak, V.N. 1999. Value addition of post-harvest fruits through plant extracts. Paper presented in IVth Agricultural Science Congress held at Jaipur, February 21-24, 1999.
20. Godara S.L. .2004. Influence of plant growth regulators on severity of post harvest fruit rots of guava and citrus fruits. Paper presented in National seminar on organic farming held at R.C.A. Udaipur, July 30-31, 2004 pp 101-102.
21. Godara S.L. 2004. Effect of plant extracts on spore germination and severity of post harvest rots of fruits. Paper presented in National seminar on organic farming held at R.C.A. Udaipur, July 30-31, 2004 pp 101-102.
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23. Shikha Arora, Godara S L and Vijaypal 2010. Management of Ber fruit rot (*Pestalotiopsis palmarum*) through food preservation. Paper presented in National conference on Plant Protection in agriculture through eco- friendly techniques & traditional farming practices held at ARS, Durgapura, Jaipur, Feb 18-20, 2010. pp 521 -523.
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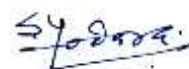
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2	Practical Manual on Pesticides and Plant Protection Appliances in IPM (RAWE)	2004	B Sc(Ag) Pt IV
3	Practical Manual on Microbiology (P Path 121)	2005	B Sc (Ag) Pt I
4	Practical Manual on Mushroom Cultivation (P Path 222)	2006	B Sc (Ag) Pt II
5	Practical Manual on Nematology (Nemat 412)	2006	B Sc(Ag) Pt IV
6	Practical Manual on Elementary Nematology (Nemat 412)	2009	B Sc(Ag) Pt IV
7	Practical Manual on Agril. Microbiology (P Path 4121)	2009	B Sc (Ag) Pt I
8	Practical manual on Diseases of field crops and their management (P Path 4311)	2010	B Sc(Ag) Pt III
9	Laboratory Manual of Elementary Nematology (Nemat 321)	2010	B Sc (Ag) Pt III
10	Practical manual on Diseases of Horticultural crops and their management.(P Path 4321)	2011	B Sc (Ag) Pt III
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Publications update:

1.	Research papers published in international journals	26
2.	Research papers published in national journals	58
3.	Practical manuals developed	12
4.	Awards and Honors	06
5.	Book Published	02
6.	Review Article	07
7.	Certificate courses developed	05
8.	Bulletins and other Publications	07
9.	Refresher course / Winter schools organized	02
10	International symposium/ conference/ workshop attended	09
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