

## CURRICULUM VITAE

### Dr. SUSHEEL SINGH

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(I/C) Professor & Head  
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- [Google Scholar link](https://scholar.google.com/citations?user=qjEjgmcAAAJ&hl=en) : <https://scholar.google.com/citations?user=qjEjgmcAAAJ&hl=en>
- [ResearchGate link](https://www.researchgate.net/profile/Susheel-Singh-5) : <https://www.researchgate.net/profile/Susheel-Singh-5>
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### About

A passionate researcher and academician with more than 16 years of experience in the field of Pesticide Residue Chemistry Laboratory Management, Accreditations and Certifications, chemical data analysis, State and Federal Regulatory compliance, laboratory Administration, Management, Training and Development, Technical writing, Trouble shooting, and Client Relations. Proven ability to provide management and technical expertise for Report writing, Analytical Method Development, Method Validation, Quality Control activities, complete documentation and preparedness for ISO/IEC 17025 and recognized PG teacher in the discipline of Soil Science and Agricultural Chemistry.

Leadership experience with strategic management, strong interpersonal communication and decision making skills. Ability to establish and maintain strong alliance, prioritize workload and drive projects to successful completion.

### Professional Qualification

Degree	Specialization	Year	University
Ph.D.	Agricultural Chemistry & Soil Science	2010	Anand Agricultural University, Navsari, Gujarat
M.Sc.(Agri)	Agricultural Chemistry & Soil Science	2006	Anand Agricultural University, Anand, Gujarat
B.Sc.(Agri)	Agriculture	2003	GB Pant University of Agri. & Tech., Pantnagar, Uttarakhand

### Professional Experiences

Position	Institute	Period
(I/C) Professor & Head	Food Quality Testing Laboratory, NMCA, Navsari Agricultural University, Navsari, Gujarat.	05/11/2020 to continued
Assistant Professor (Residue Chemistry)	Food Quality Testing Laboratory, NMCA, Navsari Agricultural University, Navsari, Gujarat.	10.01.2013 to continued
Technical Manager (ISO/IEC: 17025)	Food Quality Testing Laboratory, NABL ISO/IEC:17025 accredited Lab: for Pesticide Residue Analysis, NMCA,NAU, Navsari	18.12.2014 to continued
Assistant Professor (Residue Chemistry/ Biochemistry)	Referral Lab, Centre for Research on Seed Spices, Sardarkruishinagar Dantiwada Agricultural University,Jagudan-382710, Dist. Mehsana	08/09/2012 to 08/01/2013
Senior Research Fellow	AINP on Pesticide Residues, ICAR Unit-9 , AAU, Anand	Jan 2006 to Sep 2012

### PG Guiding

M.Sc. degree (Number of Students guided)	7completed+ 2(Conti.) + 9(NAHEP-CAAST)
Minor advisor/ committee member ( M.Sc/ Ph.D)	>22students

#### Medals/Awards/ scholarship/member of society/ etc.

- Recipient ICAR Junior Research Fellowship to pursue Master's degree in Physical Science (2003)
- Recipient of the **Chancellors Gold Medal** For Best PhD thesis from Anand Agricultural University, Anand, Gujarat.
- **Got 1st prize** for Poster presentation in Global Conference on “Technological Challenges and Human Resources for Climate Smart Horticulture-Issues and Strategies (2014 )on “ Residue implications of carbendazim in/on mango (*Mangifera indica* L. var. Kesar) and its dislodgement due to hot water treatment
- **Got 1st Prize in Oral Paper presentation** on in National Seminar on “Emerging Trends in Food Quality and Safety” organized by AAU, Anand (2015) “Residues and dissipation pattern of deltamethrin 2.8 EC in okra under South Gujarat conditions”
- Received the Young Scientist Award in field of Agriculture and Allied field bestowed by SVSU, Lucknow in National Seminar on “Transforming Agriculture to Doubling of Farmers Income” BBAU Lucknow (UP), India(2018)
- **Received the Young Scientist Award** in the field of pesticides residue conferred in National Symposium on sustainable management of pest and diseases management in augmenting food and nutrition organized by NAU, Navsari (2019)
- Got 1st prize for Poster presentation in National workshop on pesticide residue management and techniques for food safety and security, held at NAU, Navsari(2019) on “ Effect of soil applied granular insecticides on microbial population in sugarcane grown soil”
- **Got 1st Prize for Oral Paper presentation** on Persistence and dissipation kinetics of phorate and its metabolites in the soil of sugarcane ecosystem in National workshop on pesticide residue management and techniques for food safety and security, at NAU, Navsari (2019 )
- **Got 1st prize** for Poster presentation on “Dissipation kinetics of carbofuran in the soil and its residues in sugarcane” in National seminar on secondary agriculture: significance and scope in the era of globalization, at NAU, Navsari (2019)
- **Got 1st prize** for Poster presentation “Dissipation and persistence of spiromesifen (22.9% SC) in/on brinjal” in National seminar on secondary agriculture: significance and scope in the era of globalization, at NAU, Navsari ( 2019 )
- **Got 1st Prize** in Oral Paper presentation on “Effect of ozone treatment on quality of okra” in National seminar on secondary agriculture: significance and scope in the era of globalization, at NAU, Navsari ( 2019)

#### Handling of Research Projects

Particular	Worked As PI	Worked As Co-PI	Total Outlay (Lakhs)
Research Projects funded by Non Government agencies	2	05	56.74
Research Projects funded by Central Govt. agencies	-	1	2400
Research Projects funded by State Govt.(Completed)	12	17	-
Research Projects funded by State Govt.(running)	8	-	-
Research Scheme	3	-	-
		<b>Total</b>	<b>2456.74</b>

#### Ongoing key Research Projects (Discipline)

1. **Plant Protection - 4**
2. **Natural Resource Management: 3**
3. **NAHEP -CAAST- (World Bank funded project) (As-Co-PI)**

#### Selection/ Release of New variety/ Genotypes or Techniques development/Achievement

- Finger Millet, CFMV 2 (GN-9/GIRA) (2021)
- Little millet variety GUJARAT VARI-4 [GV-4:Ambika] Little millet (2021)
- Elephant Foot Yam, NEFY-7 (GEFY-1 (SWAGATA) ( 2020)

- Turmeric, NVST-64 (GNT-2) ( 2016)
- Germplasm Registered with NBPGR : Brahmi (Bacopa monnieri ) as INGR21236 (2021)
- Recommendation for the Farmers : 8
- Recommendation for Scientific community : 30

### Summary of Research Publications

Publication Categories	Publication number
1. Full length Research articles	: 62
2. Paper presented as Oral/Poster in seminars/conferences/workshops	: 52
3. Book with ISBN No.	: 4
4. Chapters in Book/ Proceedings	: 7
5. Popular articles in Magazines/ Newspaper	: 18
6. Laboratory/ Practical Manuals	: 04
7. Research Gate (Research Interest Score)	: 352.7
8. Google Scholar (citation/h index/ I 10 Index)	: 334/12/13
9. Scopus (citation/h Index)	: 118/8

### Key Publications

Sl. No.	Author/Authors	Year	Title of paper/Book or Book chapter	Journal or Book	NAAS Journal Code & rating if any	
1.	<b>Singh, Susheel;</b> Saini, Lokesh Kumar; Solanki, Vanrajsinh Harkishansinh; Kansara, Rohan Vijaykumar; Gandhi, Kelvin Dineshbhai; Patel, Nitisha;	2023	Dissipation kinetics and health risk assessment of certain insecticides applied in/on tomato under open field and poly-house conditions	Heliyon	H006	9.78
2.	<b>Singh, Susheel;</b> Solanki, Vanrajsinh; Bardhan, Kirti; Kansara, Rohan; Vyas, Trupti K; Gandhi, Kelvin; Dhakan, Darshan; Ali, Hayssam M; Siddiqui, Manzer H;	2022	Evaluation of Ozonation Technique for Pesticide Residue Removal in Okra and Green Chili Using GC-ECD and LC-MS/MS	Plants	P135	10.66
3.	Saran, Parmeshwar L; <b>Singh, Susheel;</b> Solanki, Vanrajsinh H; Kalariya, Kuldeepsingh A; Meena, Ram P; Patel, Riddhi B;	2019	Impact of shade-net intensities on root yield and quality of Asparagus racemosus: A viable option as an intercrop	Industrial crops and products	I117	12.45
4.	Thakur, NS; Jilariya, DJ; Gunaga, RP; <b>Singh, Susheel</b>	2018	Positive allelopathy of Melia dubia Cav. spatial geometry improve quantitative and qualitative attributes of Aloe vera L.	Industrial crops and products	I117	12.45
5.	Kapadia, Chintan; Kachhadia, Rinkal; <b>Singh, Susheel;</b> Gandhi, Kelvin; Pocza, Peter; Alfarraj, Saleh; Ansari, Mohammad Javed; Gafur, Abdul; Sayyed, RZ;	2022	Pseudomonas aeruginosa inhibits quorum sensing mechanisms of soft rot pathogen, Lelliottia amnigena RCE to regulate its virulence factors and biofilm formation.	Frontiers in Microbiology	F101	12.06
6.	Vaidya, Harihar; Solanki, Vanrajsinh H.; Kansara, Rohan V.; Desai, Chirag; <b>Singh, Susheel;</b> Patel, Jayesh; Vyas, Trupti K.; Patel, Hiren;	2022	Development of a novel method for multiple phytohormone analysis by UHPLC-MS/MS from bio-enriched organic fertilizer prepared using banana pseudostem sap waste	Environmental Science and Pollution Research	E109	11.19
7.	Kachhadia, Rinkal; Kapadia, Chintan; <b>Singh, Susheel;</b> Gandhi, Kelvin; Jajda, Harsur; Alfarraj, Saleh; Ansari, Mohammad Javed; Danish, Subhan; Datta, Rahul;	2022	Quorum Sensing Inhibitory and Quenching Activity of Bacillus cereus RC1 Extracts on Soft Rot-Causing Bacteria Lelliottia amnigena	ACS omega	A010	10.13

8.	Mogal, Chaitanya S; Solanki, Vanrajsinh H; Kansara, Rohan V; Jha, Sanjay; <b>Singh, Susheel</b> ; Parekh, Vipulkumar B; Rajkumar, BK;	2022	UHPLC-MS/MS and QRT-PCR profiling of PGP agents and Rhizobium spp. of induced phytohormones for growth promotion in mungbean (var. Co4)	Heliyon	H006	9.78
9.	Kansara, Rohan V; Solanki, Vanrajsinh H; <b>Singh, Susheel</b> ; Chauhan, Digvijaysinh;	2021	Persistence, dissipation behavior and dietary risk assessment of a combi-product of chlorantraniliprole and Î»-cyhalothrin in/on pigeonpea (Cajanus cajan L.)	Heliyon	H007	9.78
10.	Kalariya, Kuldeepsingh A; Gajbhiye, Narendra A; Minipara, Dipal; Saran, Parmeshwar L; Kumar, Sushil; Solanki, Vanrajsinh; <b>Singh, Susheel</b> ; Choyal, Prince; Manivel, Ponnuchamy;	2020	Altered biomass allocation and quality improvement in roots of Indian ginseng Withania somnifera Dunal. Linn. through physiological interventions	Heliyon	H008	9.78
11.	Saran, PL; <b>Singh, Susheel</b> ; Solanki, VH; Devi, G; Kansara, RV; Manivel, P;	2020	Identification of potential accessions of Asparagus racemosus for root yield and shatavarin IV content	Heliyon	H009	9.78
12.	Jajda, HM; Patel, KG; Patel, SR; Solanki, VH; Patel, KN; <b>Singh, Susheel</b> ;	2015	Comparative efficacy of two standard methods for determination of iron and zinc in fruits, pulses and cereals	Journal of food science and technology	J268	9.12
13.	Saran, PL; <b>Singh, Susheel</b> ; Solanki, Vanrajsinh; Choudhary, Ravish; Manivel, P;	2021	Evaluation of Asparagus adscendens accessions for root yield and shatavarin IV content in India	Turkish Journal of Agriculture and Forestry	T120	8.67
14.	Sukhadiya, ML; Thakur, NS; Patel, VR; Gunaga, RP; Kharadi, VB; Tyagi, KK; <b>Singh, Susheel</b>	2020	Provenance variations in proximate principles, mineral matter, total phenols and phytochemicals of Melia dubia drupes: an unexplored alternate livestock feed stock	Journal of Forestry Research	J273	8.36
15.	Vaidehee Ninama, , Hardik Shah, Chintan Kapadia,, Ashok Italiya, Rahul Datta, Susheel Singh,Alka Singh	2024	Assessment of phytochemicals, nutritional compositions and metabolite profiling using GCMS– from annual edible flowers	Scientia Horticulturae	S019	10.34

#### Training/capacity building activities organized as Training coordinator/Convener:

- Hands on training/certificate course for PG students:12
- Seminar/symposia/conference/seminar :5
- Distinguished guest lecturers/Webinars :30
- Farmer's Training : 2
- Others: 3

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