

CURRICULUM VITAE

Name : SATDEV
Father'sname : SABAH RAM
Mother'sname : SULOCHANA
Dateof birth : 1 August, 1994
Gender : Male
Languageknown : English, Hindi and Punjabi
Nationality : Indian
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Objective

To be a committed agricultural professional, passionate about research in the field of agriculture ensuring benefits for the farming community and work with a positive attitude acquiring new skills.

EDUCATION:

Degree / Level	School/ University	Subject	Year	Percentage/C GPA/OGPA
Ph.D. (Soil Science)	Bihar Agricultural University, Sabour, Bhagalpur	Soil Science	2019-22	7.99
M.Sc. (Ag.) (Soil Science & Agricultural Chemistry)	Navsari Agricultural University, Navsari, Gujarat	Soil Science and agricultural Chemistry	2017-19	7.77
B.Sc. (Ag.)	Agriculture University, Jodhpur, Rajasthan	Agriculture	2013-17	7.39
Intermediate	RBSE, Rajasthan	Agriculture Science	2012	60.00%
High School	RBSE, Rajasthan	Science, Math, English, Social Science and Hindi	2010	61.00%

OTHER QUALIFICATION

Name of Course/Subject	Name of Institute	Roll No.	Year	Percentage/Grade
ICAR-NET Soil Science	ASRB-ICAR, New Delhi	4254542184	2021	54.67%
RSCIT	VMOU, Kota (Rajasthan)	325591	2015	68.00%

ACADEMIC RESEARCH:

Programme: M.Sc. (Ag.) Soil Science and Agricultural Chemistry

Thesis title: Effects of Zinc Oxide Nanoparticles (Zno-NP) on Growth, Yield, Quality and Nutrients Composition of Sweet Corn (*Zea Mays* L. *Saccharata*) under South Gujarat Condition

Experimental site: Research farm, Navsari Agricultural University, Navsari, Gujarat (India).

Guided by: **Dr.V.J. Zinzala**, Associate Professor, Department of Soil Science and Agricultural Chemistry, Navsari Agricultural University, Navsari, Gujarat (India), 396450.

Programme: Ph.D. Soil Science

Thesis title: "Synthesis, Characterization and Efficacy of Iron Nanoparticles (Fe-NPs) in Rice and Wheat Rhizosphere"

Experimental site: Incubation and Pot experimental at Bihar Agricultural University, Sabour, Bhagalpur, Bihar.

Guiding by: **Dr. Nintu Mandal**, Assistant professor-cum-Jr Scientist, Bihar Agricultural University, Sabour, Bhagalpur, Bihar (India), 813210.

PUBLICATIONS RESEARCH PAPERS

Research papers published in refereed journals will be considered for allocation of scores according to NAAS/UGC Journal latest rating applicable.

S. No.	Author(s)	Title of paper /publication	Name of Journal / publisher	Volume/ Issue/ ISBN No.	Publishing Year	NAAS Rating
1	Satdev, VJ Zinzala, Bharat N Chavda	Effect of nanoZnO on growth and yield	International Journal of	8(1): 2020-2023	2020	5.31

	and Lokesh Kumar Saini	of sweet corn under South Gujarat condition	Chemical Studies			
2.	Satdev , VJ Zinzala, Lokesh Kumar Saini and Aditi R Chauhan	Synthesis and characterization of zinc oxide nanoparticles (ZnO-NPs) via precipitation method	Journal of Pharmacognosy and Phytochemistry	9(2): 304-307	2020	5.21
3.	Chauhan Aditi, SonalTripathi, Govind, Satdev and Narendra Singh	Effect of Fertilizer Levels, Biocompost and Biofertilizer on Content and Uptake of Nutrients of Fodder Sorghum (<i>Sorghum bicolor (L.) Moench</i>)	International Journal of Current Microbiology and Applied Science	8(10): 1130-1136	2019	5.38
4.	Satdev , VJ Zinzala, ArchanaVerma, Rakesh Kumar, ShrutiKumari and SumanLata	Synthesized nanoZnO and its comparative effects with ZnO and heptahydrate ZnSO ₄ on sweet corn (<i>Zea mays L. saccharata</i>)	The Pharma Innovation Journal	10(10): 01-07	2021	5.23
5.	ArchanaVerma, UdayPratapShahi, Pankaj Chaurasia, Satdev , ShrutiKumari and Rakesh Kumar	Effect of mode of micronutrient application on the yield of pigeon pea (<i>Cajanuscajan L.</i>) in sandy loam soil	The Pharma Innovation Journal	10(10): 145-149	2021	5.23

REVIEW PAPER

1.	Satdev and Nintu Mandal	A Review on Effect of Copper and Iron Nanoparticle on Agricultural Crop	International Journal of Inclusive Development	6(1): 31-36	2020
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CHAPTERS IN BOOKS

1.	Nintu Mandal, Satdev , Chandini, ManojKundu, and Hidaytulla Mir	Nanotechnological Interventions for Increasing Nutrient Use Efficiency in Horticultural Crops	Soil Management for Sustainable Agriculture: New Research and Strategies (Apple academic press.)	ISBN 9781003184881	2021
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2.	AkhilaNand Dubey, SamratAdhikary, Satdev , Nintu Mandal, and Nilanjan Chattopadhyay	Escalating Nutrient Use Efficiency through Nanotechnological Intercessions	Soil Management for Sustainable Agriculture: New Research and Strategies (Apple academic press.)	ISBN 9781003184 881	2021
3	Rakesh Kumar, Satdev , ShrutiKumari, Mahesh Jajoria, Nintu Mandal, Arun Kumar Jha and Rahul Raj	Emergence of nanotechnology in efficient nutrient management in soil	Nova Science Publisher, New York	ISBN 978-1- 68507-614-6	2022
4	uhjtckxksfj;k] jktsaæcSjok] Irnso	Hkkjrh; —f"k ,oafdIkks dh vkfFkZdfLFkfr	oSKkfud — f"kmRiknu ,oafoi.kuçcaèku	ISBN 978- 93 5457-934-9	2021

ARTICLES

S. No.	Author(s)	Title of paper /publication	Name of Journal / Magazine/ publisher	Volume, Issue & page	Year of publishing
1.	fuUVweaMy, çhrexkaxqyh, Irnso , uhjtckxksfj;k,jkds'kdqekj, Jqfrdqekjh	usuksrdfudhcnryhtyo k;q ds lkFkVdkÅ [ksrhesavuqç;ksx	tyok;qvuqdwy —f"kuokpkj ,d >yd	ISBN 978- 81-941733- 2-8 pp 76-79	2020
2	fuUVweaMy, çhrexkaxqyh, Irnso , jkds'kdqekj,Jqfrdqekjh, nscthrpØorÉ	usuksmoZjfdIkks ds fy, ,d ojnu	mUur — f"kçks ksfxdh }kjk ;qokllfädj.k	pp 80- 81	2021
3.	lqjs'kdqekor ,l- vkj- ;knofpjathodqekor] Irnso] nhieksguegyk] guqekujke] eukstifjgk] xksikyfrokjh	i,yhgkmlsae`nkLokL F; dkj[k j[kko	e`nkniZ.k, Hkk- —vuq- ijk"V ^{ah} ; e`nkloZs{k.kHkw femi;ksxfu;kstuC ;wjksvejkorhjsM ukxiqj ¼egkjk"V ^{a½}	pp 76- 78	2019-20
4.	?ku";ke] lkSfodlkèkw] Irnso fuaVwe.My] jes'kukFkxqlrk	iks"kd@eksVkvukt % dqiks"k.kvkSjiks"k.kl qj{kk	“Smarika:iks"kdv ukt ,d >yd	ISBN No. 978-93- 5680-557-6.	2022

MAGAZINES

1.	jkds'kdqekj] Irnso] uhjtckxksfj;k] jsgkujstk] Jqfrdqekjh] v#.kdqekj>k	—f"k ,oaxzkeh.kvif"k"Vks adkewY; lao/kZu ¼oSY;w ,fM'ku½ rFkkQlyksaesais"k dinkFkksZ ds	çfrHkkfdj.kjk"V ^{ah} ; fganhekfld if=dk	pp 12-13	2021
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3	Irnso]lqeuYrkjk ds'kdqekj] Jqfrdqekjh] fuUVweaMy	uSuksrduhdh % —f"k {ks= esamHkjrkgYq	çfrHkkfdj.kjk"Vah; fganhekfld if=dk	pp 13-14	2021
4.	uhjtckxksfj;k] Irnso] deysUædqekj] vafdrdqekj	Annual E-Magazine GENESIS	Bihar Agricultural University, Sabour, Bhagalpur (Bihar)		

NEWSLETTER/FOLDER/PAMPHLET

- **pe`nkfoKkuvkèkkfjrjksstxkjjdm]eß**SumanLata, Satdev, ArchanaVerma, Priyanka Kumari published by Soil Science and Agricultural Chemistry, Bihar Agricultural University, Sabour, Bhagalpur.
- Satdev “Soil Salinization, Effect and its Mitigation Approaches” E- News Letter theSabour Chapter-Indian Society of Soil Science (ISSS) 2021.

MEDIA PRINT

- Act as a director on you tube programme having title “**Soil Erossion, Challenges and solutions**” published by **Bihar Agricultural University, Sabour, Bhagalpur.**

SEMINARS/CONFERENCES/SYMPOSIUM/WORKSHOPS ATTENDED

1. **Satdev*** and Zinzala, “**Food Processing Techniques for Pesticides Reduction in Food products**” National workshop on“Pesticides Residue management and techniques for food safety and security (February 25-26, 2019)
2. Kumar, R*, **Satdev**, Reza, R., Kumari, S.,“**Role and Opportunities of Nano Technology for Mitigation of Arsenic Contamination in Bihar**”.“National Conference on Natural and Agricultural Sciences: Issues, Challenges and Opportunities” 3rd Plant Science Researchers Meet – (PSRM 2020).
3. **Satdev***, Verma, A, Kusum, A., Jangu, R., Bagoria, Nand Kumar,R. “**Nano-Formation is Second Revolution for Crop Production**”, Participated in India International Science Festival (IISF) in Biswa Bangla Convention Center & Science City, Kolkata (5– 8th November, 2019) (id YSC 10886).

4. **Satdev***, Zinzala, V.J., Saini, L.K., Ranvir and Goyal, L. “**Effect of Nanoscale Formulation for Insect Pest Management**”, National Symposium on “Sustainable Management of Pests and Diseases in Augmenting Food and Nutritional Security” January 22-24, 2019.
5. Archana Verma, Priyanka Kumari and **Satdev** “**Role of Biofertilizer in Sustainable Vegetable Production**” International Web Conference on “Biodiversity in Vegetable Crops for Healthier Life and Livelihood”, Bihar Agricultural University, Sabour, Bhagalpur. 2020
6. **Satdev** Participation in 2nd International Conference Advance in Agricultural Biology and Applied Science for Sustainable Future (ABAS-2018) Agricultural Technology Development Society (ATDS) Ghaziabad, UP
7. **Satdev**, Nintu Mandal, Neki Ram, Suman Lata, Priyanka Kumari, Neeraj Bagoria, Rakesh Kumar and Shruti Kumari “**Nanotechnological Strategies for Mitigation of the Impacts of Climate Change**” International Web Conference on “Biodiversity in Vegetable Crops for Healthier Life and Livelihood”, Bihar Agricultural University, Sabour, Bhagalpur. 2020.
8. Suman Lata, Anuradha Sinha, **Satdev**, Priyanka Kumari “**Nitrogen Management-A Better Way of Climate Resilience in Vegetable Production**” International Web Conference on “Biodiversity in Vegetable Crops for Healthier Life and Livelihood”, Bihar Agricultural University, Sabour, Bhagalpur. 2020
9. **Satdev**, V.J. Zinzala, Lokesh Kumar Saini and Kranti B. Patil “**Synthesis and Characterization of ZnO Nanoparticle and its Effects on Sweet Corn (*Zea mays L. Saccharata*)**” 84th Annual Convention: National Seminar on Developments in Soil Science (November 15-18, 2019).
10. **Satdev**, V.J. Zinzala, L.K. Saini, Ranvir and L. Goyal “**Effect of Nanoscale Formulation for Insect Pest Management**” National Symposium on “Sustainable Management of Pests and Diseases in Augmenting Food and Nutritional Security” Navsari Agricultural University, Navsari, (Gujarat) (January 22-24, 2019).
11. **Satdev** “**Nano-Formation is Second Revolution for Crop Production**” The Young Scientists Conference (YSC) of the India International Science festival (IISF-2019).
12. **Satdev**, V.J. Zinzala “**Food Processing Techniques for Pesticides Reduction in Food Product**” Workshop: Centre for Advanced Agricultural Science and Technology (CAAST) Navsari Agricultural University Navsari-Gujarat (INDIA) (February 25-26, 2019)”
13. Rakesh Kumar, **Satdev**, Rehan Reza and Shruti Kumari “**Role and Opportunities of Nano Technology for Mitigation of Arsenic Contamination**” in Bihar National Webinar On Arsenic Mitigation: A Nexus Approach (AMANA) (29th May 2020)
14. **Satdev**, Nintu Mandal, Suman Lata, Neeraj Bagoria, Rakesh Kumar and Suresh Kumawat “**Arsenic Mitigation techniques for soil, waste and water**” National Webinar On Arsenic Mitigation: A Nexus Approach (AMANA) (29th May 2020).

15. **Satdev**, Nintu Mandal, Archana Varma, Ravikesh, Rakesh Kumar “**Integrating Nanotechnology to Sustainable Agriculture**” National Web-Conference Sustainable Soil and Water Management for Bio-diversity Conservation, Food Security and Climate Resilience, Soil Conservation Society of India (SCSI) (29-30 December, 2020)
16. Ravikesh Kumar Pal, Pramod Kumar, Prithvi Raj, **Satdev** and Chandini “**Soil Pollution: Impact and its Measure**” National Web-Conference Sustainable Soil and Water Management for Bio-diversity Conservation, Food Security and Climate Resilience, Soil Conservation Society of India (SCSI) (29-30 December, 2020).
17. **Satdev** “**National Workshop on Yogic farming organic farming and zero budget natural farming**” Anand Agricultural University, Anand (Gujarat) and Prajapita Brahmakumari Ishwariya Vishwa Vidhyalaya, Mount Abu -2018.
18. **Satdev** Certificate of Participation Online Course on “**Geospatial Technology for Archaeological Studies**” Department of Space, Govt. of India, Indian Space Research Organization, Indian Institute of Remote Sensing, Dehradun – 2021.

INTERNATIONAL AND NATIONAL WEBINAR/ QUIZ

- “**Impact of COVID-19 on Dairy & Food Processing Sector**” National Agricultural Higher Education Project—CAAST Centre for Agricultural Market Intelligence Anand Agricultural University, Anand-388110 (16-17th June, 2020)
- Participation in online quiz "**Agricultural Awareness Quiz Programme-2020**" Institute of Agriculture, Visva-Bharati, Sriniketan, West Bengal (24 May 2020)
- Participation in online quiz “**Covid-19 Awareness Quiz**” Krishi Vigyan Kendra, Mandla Jawaharlal Nehru Krishi Vishwavidyalaya, Jabalpur (MP) (3 June 2020)
- Participation in online quiz “**Quiz for Seed Certification**” National Seed Project, Swami Keshwanand Rajasthan Agricultural University, Bikaner, Rajasthan, May 27, 2020 and scored 71%.
- Participation in online quiz "**World Environments day**" National Service Schemes Units, Bangabasi Morning College (June 05 to 15, 2020).
- Participated in E-Poster Competition on "World Environmental Day -2020" Department of Chemistry, Rayat Bahra University (June 05, 2020).
- Participation in online quiz "**AYUSH Sanjavani Quiz**" Ministry of AYUSH & MyGov.
- Participation in online quiz "**Ek Bharat Shreshtha Bharat Quiz**" Ministry of Tourism & MyGov.
- Participation in online quiz "**World Milk Day**" College of Dairy and Food Technology, Maharana Pratap University of Agriculture and Technology, Udaipur, Rajasthan.
- Participation "Online international Covid-19 Awareness Quiz 2020" Rajiv Gandhi University (A Central University), Arunachal Pradesh (India) (June 12, 2020).
- Participation "Quiz on Awareness on ‘**Yoga**’ (**Fight against Covid-19**)",

TRAINING

- Two days training program on “**Arsenic contamination, Arsenicosis and its Mitigation Measures**” organized by **SaciWATERs** in collaboration with Department of Soil Science and Agricultural Chemistry, BAU, Sabour, Bhagalpur.
 - 21 days International Training cum Certificate course on Agriculture Drones “**Revolutionizing the future of Agriculture**” Organised by Agri Meet Foundation and aviana in collaboration with ICAR-IISR, UPCAR Lucknow, MPUAT, CAIE, NABARD, NAHEP & ITM university Gwalior MP.
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ORAL/ POSTER PRESENTATION

- Oral presentation on the topic entitled “**Syntheticization and Characterization of ZnO Nanoparticle and its Effects on Sweet Corn (*Zea mays* L. Saccharata)**” 84th Annual Convention: National Seminar on Developments in Soil Science, Indian Society of Soil Science, New Delhi (November 15-18, 2019)
 - Oral presentation on the topic entitled “**Biosynthesis, characterization and Controlled Release Pattern of Novel Iron Nanoparticle (Fe-NPs) in a *TypicHaplustepts***” in National seminar on “Recent developments in nutrient management strategies for sustainable agriculture: The Indian context” held on 18-19th June, 2022, organized by Bihar Agricultural University, Sabour, Bhagalpur, Bihar.
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EXTRA-CURRICULAR ACTIVITY / ACHIEVEMENTS

- President of Student Union, College of Agriculture, Sumerpur, Pali (Raj.)
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APPRECIATION/CONTRIBUTION

- ✓ Appreciation certificate from BAU, Sabour for outstanding contribution in the National Seminar on “**Recent developments in nutrient management strategies for sustainable agriculture: The Indian context**” held on 18-19th June, 2022, at BAU, Sabour, Bhagalpur.
 - ✓ Appreciation certificate for worked as **Co-organizing secretary for organizing the students’** scientific presentations on Salt Affected Soils on the occasion of World Soil Day-2021.
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COMPUTER KNOWLEDGE: -

- Good knowledge of internet surfing.
- Knowledge of MS Office: Word, Excel, and Power Point.
- Computer Course RSCIT Certificate

OTHER SKILLS: -

- Good verbal and written communication.
- Solid team player with very good interpersonal skills.

STRENGTH: -

Interest in improvement of soil health and enhanced crop production through different novelist technology under unbalanced environmental conditions.

HOBBIES:

- Visiting the research institutes/farm as well as innovative farmer's field.

REFERENCES

Dr. Nilaanjan Chattopadhyaya
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Declaration

I hereby declare that the information furnished above is true to the best of my knowledge.

Place:Sri Ganganagar (Raj)

(SATDEV)