

Publications

Research Paper:

1. Trivedi, B. S. Gami, R. C. and Patel, J. M. (1990) Assessment of available S in soils of S. Gujarat. Paper presented in “National Seminar on Recent Development in Soil Research held at Udaipur on Dec. 22-25 1990 Abst. No. c 72 p.46
2. Nautial, P. H., Trivedi, B. S. and Gami R. C. (1991) Effect of moisture, Temperature and moist heating on available of K in soils having different texture. Paper presented in “National Seminar on Advances in Soil Science Researches” held at Dapoli on Dec. 12-15, 1991 Abst. No. C 25 PP. 24.
3. Patel G. G. and Trivedi, B. S.(1991) Studies on transformation of P in three clayey soils of S. Gujarat. Paper presented in “National Seminar on Advances in Soil Science Researches” held at Dapoli on Dec. 12-15, 1991 Abst. No. C 14 PP. 21.
4. Trivedi, B.S., Gami, R.C. and Patel, K.G. (1994). Standardization of method for determining available sulphur and its critical limit for low land paddy. *GAU Res. J.* 20 (1): 35-41.
5. Trivedi, B. S., Dadhania, S. M. and Dalwadi, M. R. (1994) Targeted yield approach through soil test crop yield correlation studies for phosphorus, “Phosphorus in Gujarat Agriculture” PP 84-89
6. Dalwadi, M. R.and Trivedi, B. S (1994) An integrated soil test crop yield method for fertilizer N recommendation in sugar cane. Paper presented in Indian Society of Soil Science Dimond Jubilee National Seminar on “Development in Soil Science-1994” held at New Delhi from 28-11-94 to 1-12-94. Extended summaries PP 134
7. Trivedi,B.S., Patel, G.G. and Gami, R.C. (1995). Delineation of Soils of South Gujarat Districts for available Sulphur and Iron. *Micronutrient News*. Val. IX No.1.
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9. Trivedi, B. S., Gami, R. C. and Padhiayar, G. M. (1995) Studies on relationship between EC at different soil water ratios and EC_s in soil series of S. Gujarat, *GAU Res. J.* 20 (2): 30-34
10. Trivedi, B. S., Patel, K. G, Gami, R. C. and Naik, P. L. (1995). Effect of calcium amendments on sugarcane yield and on soil physical properties. Presented in “National Symposium on “Strategies to enhance sugar productivity” held at Lucknow on 14-16 Oct. 1995 Abstr. No. 30.
11. Patel, H. S., Trivedi, B. S., Naik, P. L. and Gami, R. C. (1995) “Organic Farming in Sugarcane” Paper presented in state level seminar on “Organic Farming for sustainable Crop Production in Gujarat” held at Navsari on 5-4-1995 by Navsari Chapter of Indian Society of Agronomy PP 46.
12. Trivedi, B.S., Gami, R.C., Patel, G.G. and Patel, K.G. (1996). Fertility of sugarcane growing South Gujarat Soils: II. Secondary and Micronutrients. *Proc. 45th Ann. Conv. D.S.T.A., Pune*. Part-I, pp A93-A101.
13. Trivedi, B.S., Patel, K.G. and Patel, L.K.(1996). Effect of nitrogen and phosphorus levels on sorghum varieties grown in semi-rabi conditions. *Annals of Arid Zone* 35 (2): 129-132.
14. Trivedi, B.S., Patel, H.S., Patel, K.G. and Naik, P.L. (1996). Sulphur fertilization in sugarcane. *Proc. 45th Ann. Conv. D.S.T.A., Pune*. Part-I, pp A84-A86.
15. Trivedi, B. S., Gami, R. C., Bhatt, P. M., and Padhiayar, G. M. (1996).Fertility of sugarcane growing soils of South Gujarat soils: I macronutrients, *Proc. 45th Annual Convention of D. S. T. A., Pune*, Part I, PP A87-A92.

16. Trivedi, B. S., and Desai, R. M. (1996) Studies on some chemical aspects in soils of Gujarat. In "Soil Research in Gujarat Agriculture- A compendium, Anand Chapter of Indian Soc. of Soil Sci. PP 15-22.
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19. Trivedi, B.S., Patel, H.S., Patel, G.G., Naik, P.L. and Gami, R.C. (1997). Studied on Fertilization through Vermicompost in Sugarcane. Paper presented in Workshop on ' VERMITICHOLOGY' organized by Anand Chapter of ISSS and Arise Auroville held at Anand of Navember 21, 1997. PP. 35 – 39.
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26. Desai, R.M., Patel, G.G., Patel, T.D. and Das A. (2009) Effect of Integrated Nutrient Supply on Yield, Nutrient Uptake and Soil properties in Rice - Rice Crop Sequence on a *Vertic ustochrept* of South Gujarat. *J. Indian Soc. Soil Sci.* 57 (2):
27. Patel, G.G and Das Amaresh (2009). Chemical Composition of Pressmud and Biocompost in relation to their Use as Organic manure and Possible Effect on Soils. *J. Indian Soc. Soil Sci.* 57 (3): 382-84
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34. Das Amaresh, N.N.Chaudhari and V.D. Maheriya (2012) Eco-restoration planning of Land of Sodmal village of Dang District of Gujarat through development of Agriculture and Agroforestry system. In proceedings of National seminar on Agroforestry: An Evergreen Agriculture for Food Security and Environmental Resilience, PP 85 to92, held at NAU, Navsari during 2 to 4 February, 2012
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41. Das Amaresh, S. T. Shirgire and V. R. Ghadage (2014), Boosting Crop Yield, Animal Husbandry Activities and Natural Resources Management Through Integrated Research Approach For Sustaining Socio-Economical Status of Tribal Farmers. *Impact: International Journal of Research in Applied, Natural and Social Sciences, Vol.2 (11):43-56*
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77. Vaishali Surve, Narendra Singh, Swapnil Deshmukh, Patel TU and Patel DD (2020). Effect of N & P management with and without bio organics on growth and yield parameters of kharif sorghum under South Gujarat conditions. *Journal of Pharmacognosy and Phytochemistry* 9(1): 132-136. NAAS Score: 5.21.
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89. Tripathi Sonal, Vikas R Naik, Jaimin R Naik and Narendra Singh (2023). Impact of Macronutrient levels on head quality of broccoli (*Brassica oleracea* var. *italic*) The Pharma Innovation Journal 12 (3): 3113-3116.
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93. AS Rabari, VJ Zinzala, Narendra Singh, RR Sisodiya, JB Vasave and VA Patel (2024). Evaluation of extractants and instrumental methods for determination of sodium in soils of South Gujarat. International Journal of Research in Agronomy 7(1): 113-119.
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Book chapter published:

1. R. R. Sisodiya, J. R. Naik and Narendra Singh (2023) Integrated Farming System (IFS), Advances in Agronomy, 18 pp 97-107. (ISBN No. 978-93-5570-228-9)
2. Jaimin R. Naik., H. M. Patel, Sonal Tripathi and Narendra Singh (2023). Fundamentals of Soil Science, Soil Fertility and Nutrient Management, Elementary Farming 276-300. (ISBN No. 978-93-5813-315-8)

Details of Printed booklets prepared in vernacular (Gujarati) from this Department on various aspect as below for enrichment of knowledge of tribal farmers under NAIP-III

1	Booklet	Scientific farming OF Mango (in Gujarati)
2	Booklet	Scientific farming of Crops and Animal Husbandry (in Gujarati)
3	Booklet	FAQs- Frequently Asked Questions (in Gujarati)
4	Booklet	(Soil And Water Conservation and Judicious Use (in Gujarati)
5	Booklet	Scientific farming of horticultural crops (in Gujarati)
6	Booklet	Scientific Animal Husbandry as supplement of agriculture based livelihood (in Gujarati)

Printed Leaflet / folder prepared from this Department on various crops and Animal husbandry for enrichment of knowledge of tribal farmers under NAIP-III

1	Folder/ Brochures	Scientific farming method of watermelon
2	Folder/ Brochures	Scientific farming method of Tomato
3	Folder/ Brochures	Cashew : A Horti cultural crop of International importance
4	Folder/ Brochures	Scientific farming method of Papaya
5	Folder/ Brochures	Scientific farming method of Okra
6	Folder/ Brochures	Profitable farming method finger millet
7	Folder/ Brochures	Importance of minerals in Animal feed
8	Folder/ Brochures	Profitable Scientific farming method of kharif Rice
9	Folder/ Brochures	Care of female animal during delivery and care of new born animal
10	Folder/ Brochures	Scientific farming method of spine guard
11	Folder/ Brochures	Soybean farming

12	Folder/ Brochures	Scientific farming method of Brinjal
13	Folder/ Brochures	Scientific farming method of Custard apple
14	Folder/ Brochures	Raise crop in low cost green house during off-season and earn higher income
15	Folder/ Brochures	Soil analysis and Soil Health Card
16	Folder/ Brochures	Nursery and Important crop production Business and importance of nursery raising in vegetable farming
17	Folder/ Brochures	Value addition in vegetables and scientific farming method in cucurbits
18	Folder/ Brochures	Scientific farming method of vegetables
19	Folder/ Brochures	Irrigation through Drip -sprinkler system
20	Folder/ Brochures	Scientific farming method of Ground Nut
21	Folder/ Brochures	Niger Farming
22	Folder/ Brochures	Care of milking animals (in Gujarati)
23	Folder/ Brochures	Overview Of Progress (Two Years Of NAIP-III In Dangs)
24	Folder/ Brochures	Control of worm affected disease of animals in south Gujarat
25	Folder/ Brochures	Importance of seed treatment in pulse crop, purpose, methods and results
26	Folder/ Brochures	Care and food management of pregnant and dry cow-buffalo
27	Folder/ Brochures	Rain water storing and harvesting in <i>rain fed</i> agriculture
28	Folder/ Brochures	Scientific farming in pigeonpea
29	Folder/ Brochures	Soil Health care by organic fertilizer
30	Folder/ Brochures	Successful farming- know about irrigation water quality
31	Folder/ Brochures	Take care for Sustaining Soil productivity
32	Folder/ Brochures	care of soil Health through bio- and organic fertilizer
33	Folder/	Method of compost fertilizer preparation in short time

	Brochures	
34	Folder/ Brochures	Farming of <i>kharif</i> paddy
35	Folder/ Brochures	Making of different food- items from sorghum
36	Folder/ Brochures	Stem red rot, it's effective control in pigeon-pea
37	Folder/ Brochures	Ideal goat husbandry
38	Folder/ Brochures	predators in Animal husbandry and it's importance
39	Folder/ Brochures	Method of Preparation of vermi- compost
40	Folder/ Brochures	Low -cost green house and preparation of Nadep compost
41	Folder/ Brochures	Spreading of disease in animals, vaccination, care of milching animals and care for calf
42	Folder/ Brochures	Daily feed for animals, production of hygiene milk and means for higher production of milk
43	Folder/ Brochures	Plant protection though bio-control
44	Folder/ Brochures	Reason for dropping of flower of fruit in mango and its control
45	Folder/ Brochures	Soil conservation and water storing/ harvesting
46	Folder/ Brochures	Method of preparation of vermiwash and its utility
47	Folder/ Brochures	System of Rice intensification
48	Folder/ Brochures	Disease pest management in Mango & Cashew-nut