


Department of Agronomy

Sr. No.	Name	Designation
1	Dr. Ajay P. Patel	Associate Professor & Head
2.	Dr. Vikas R. Naik	Associate Professor
3.	Dr. Hiren H. Patel	Assistant Professor
4.	Dr. Rahul R. Pishal	Assistant Professor
5.	Prof. Sandeep S. Sonavane	Assistant Professor

Dr. Ajay P. Patel

	Name	Ajay P. Patel
	Designation	Associate Professor & Head (Agronomy)
	Email	arya5122005@gmail.com , appatel@nau.in
	Mobile No.	9427155512
Educational Qualifications		
B.Sc., M.Sc., Ph.D.(Agri.) Agronomy		
Service Experience		
Total 10 years 2 month		
<u>Teaching Experience</u>		
Teaching Experience at UG level : > 2.5 years		
Teaching Experience at PG level : 2.5 years		
Recognised PG teacher for M.Sc.		
Guided students for M.Sc.: 3		

Research Experience

Total 7 years of research experience in Agronomy on various crops of Agriculture.

Extension activities

Published articles in vernacular : 12

Published articles in daily newspapers : 14

Programmes on TV : 06

Lectures delivered to farmers : > 650

Seminar/Symposia/Workshop/Training attended

Seminar	03
Symposia	00
Workshop	00
Training	00

Area Of Research/Specialization

Agronomy

Publications

Research Articles/ papers	International	03
	National	10
Conference	International	00
	National	00
Extension articles	16	
Books	06	
Other	-	

Awards & honors

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Fellow/Member of Professional Bodies

1. Member Board of Studies, NRM group, NAU.

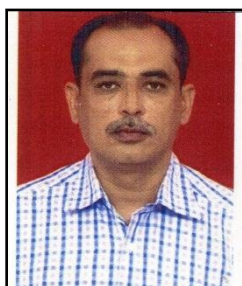
Projects

Projects completed

1. Holistic Development of Tribal People of South Gujarat (RKVY)

Any other information**Worked as**

1. SRC chairman
2. Gymkhana chairman
3. Acting as Rector

**Dr. Vikas R Naik**

Associate Professor (Agronomy/Soil and Water Management)

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9974061709

Educational Qualification

Degree	Discipline	Year of Passing	University
B.Sc. (Agri.)	Agriculture	1988	GAU
M.Sc. (Agri)	Agronomy	2005	NAU
Ph.D	Soil and Water Management	2011	NAU

Service Experience till date

Sr. No.	Institute/Office	Designation	No. of years served	Job profile
1	Soil and Water Management, NAU, Navsari	Agril. Supervisor	5	Research and Supervision
2	Soil and Water Management, NAU, Navsari	Agril. Officer	13	Research and Supervision
3	KVK, Dediapada, NAU, Navsari	SMS	2	Extension and Research
4	Soil and Water Management, NAU, Navsari	Assistant Research Scientists	6	Research, Extension and Administration

Seminar/Symposia/Workshop/Training attended

Event	Number attended	Venue, Date and Topic
Symposia	2	Annexure I
Workshop	4	Annexure II
Training	6	Annexure III
Seminar	3	Annexure IV
21 days training Summer/winter/ institute attended	2	Annexure V

Academic Achievements

- **CHANCELLOR GOLD MEDAL** for securing highest cumulative marks in M.Sc. (Agri) in the faculty of agriculture for the year 2005-06

Awards & honors

- Govt. of Gujarat **SARDAR PATEL RESEARCH AWARD** towards Agricultural Development Research and Technology in the field of Agronomy and Soil Science for the year 1997-98

Publications

S.No.	Publications	No. of Publications
1.	Research Paper National Journal	14
2.	Research Paper Inter National Journal	8
3.	Popular Paper	4
4.	Workshop / Seminar / Symposia Proceedings	10
5.	Technical Documents	8
6.	Books	2
7.	Chapters	1

No of Professional Societies Membership

1	Life Member of <i>Indian Society of Coastal Agricultural Research, Central Soil Salinity Research Institute</i> , Canning town, Culcutta
2	Life Member of GUJARAT ASSOCIATION FOR AGRICULTURAL SCIENCES (GAAS)

Research Projects Handled

Sr. No.	Project title	PI/Co-PI	Level (Departmental/planned)	Year of approval	Status
1	Identification of salt tolerant chickpea varieties for coastal regions of Gujarat	Co-PI	NFSN, Dept. of Agri. And Co-operation, Krishi Bhavan, New Delhi	2014-15	On going

Number of PG students guiding /guided as chairman

1. M.Sc. 2
2. PhD

No. of students guiding/ guided as co-chairman

1. M.Sc. 3
2. PhD 1

- Bibliography of own publications- Attached herewith

SHEET NO. I***SYMPOSIUM ATTENDED***

1	ICAR National Symposium on Input Use Efficiency in Agriculture- Issues and Strategies, 25-27 November 2004 at KAU, Kerala
2	International Symposium on "Management of Coastal Ecosystem: Technological Advancement and Livelihood Security", from 27-30 October, 2007 at Science City, Kolkata

SHEET NO. II***WORKSHOP ATTENDED***

1	Workshop on "Application of PRA tools in Agriculture Extension 3 to 7 October, 2008 at NAU organized by Ministry of Agriculture, Govt. of India, Dept. of Agriculture and Co-operation, Krishi Vistar Bhawan, New Delhi
2	ICT application in agriculture and allied field, EEI, Anand
3	Biennial Workshop on AICRP on water management held at NAU, during 19-21, July-2013
4	National Training Workshop on Principles and Practice of Direct Seeded Rice organized by CCS Haryana Agricultural University, Hissar, Punjab Agricultural University, Ludhiana and University of Adelaide, Australia, at CCS, HAU Regional Research Station, Karnal and PAU, Ludhiana from 22-September to 1- October, 2014.

SHEET NO. III**TRAINING PROGRAMME ATTENDED**

SN	Title of the course	Duration	Name of the Organizing Institute
1	Off-campus training programme on "Management of Research Project and Intellectual Property in Agriculture"	22-26 September 2008	NAARM, Hyderabad
2	Off-campus induction programme on "Pedagogy and Curriculum Development"	14-18 October, 2008	NAARM, Hyderabad
3	Off-campus induction programme on "Management of Human Resources and Administration in Agriculture"	11-15 November, 2008	NAARM, Hyderabad
4	Introduction to Window 98 and MS-Word	10-15 November, 2003	GAU, Navsari
5	કર્મ યોગી તાલીમ	20-23 December, 2005	Education and Technology Service Ltd.
6	Training course on computer awareness programme	17-27 July, 1999	GAU, Navsari

SHEET NO. IV**SEMINAR ATTENDED**

1	National Seminar on "Interventions for Environmental Moderation" held at Navsari Agricultural University, Navsari from 8 to 10 January, 2008
2	State level seminar on "Organic Farming for Environment Safety and Agriculture Sustainability" held at Navsari Agricultural University, Navsari on 6 and 7 March, 2010.
3	National level seminar on "Role of Organic Farming in Climate Resilient and Sustainable Agriculture" held at ASPEE college of Horticulture and Forestry, NAU, Navsari on January-9&10, 2014.

SHEET NO. V**SUMMER / WINTER SCHOOL/ INSTITUTE ATTENDED**

1	21 Days winter school on "Water Resources Management in Coastal Area for Enhancing Water Productivity" during October 11- 31, 2010 Sponsored by ICAR, New Delhi at JAU, Junagadh
2	21 Days training on "Enhancing Water Productivity in Agriculture" from December 07- 27, 2011 Sponsored by ICAR, New Delhi at Pantnagar (Uttarakhand)

PUBLICATIONS

RESEARCH PAPER IN INTERNATIONAL JOURNAL	
1	V.R.Naik , P.B.Patel, V.D.Barvalia and R.G.Patil. (2011). Saline water usage through drip in brinjal. <i>An Asian Journal of Soil Science</i> 6(2) : 150-152.
2	V.R.Naik , J.R.Naik, V.C.Raj and R.G.Patil. (2011). Effect of irrigation and mulches on growth and yield of rabi castor (<i>Ricinus communis</i> L.). <i>Green Farming</i> 2(1) : 70-72
3	V.R.Naik , P.B.Patel, V.D.Barvalia, L.K.Arvaliya and R.G.Patil (2011). Effect of irrigation, mulching and nitrogen levels on yield of summer okra grown on coastal salt affected soils of South Gujarat. <i>Green Farming</i> Vol. 2(2) : 199-200
4	N.D.Desai, V.R.Naik , N.G.Sawani and R.G.Patil (2010) Water management technology for higher productivity of castor (<i>rabi</i>) on clay soil. <i>Green Farming</i> 1(2) : 274-275
5	J.N.Zala, N.D.Desai, V.R.Naik, D.P.Patel, A.P.Gonge and K.K.Patel (2014) Effect of irrigation scheduling based on IW/CPE ratios and integrated nutrient management on growth, yield attributes and yield of garlic (<i>Allium sativum</i> L.). <i>Green Farming</i>
6	PATEL, B.K., ARVADIA, M.K., PATEL, P.B. AND NAIK, V.R. (2015). Influence of land configuration and nutrient management on leaf area index and yield of rabi sorghum varieties grown on coastal salt affected soils. <i>AGRES – An International e-journal</i> Vol. 4, Issue 4: 348-353.
7	V.R.Naik , P.B.Patel and B.K.Patel (2014). Study of effect of different organics on yield and quality of organically grown onion. <i>The Bioscan</i> 9(4) : 1499-1503.
8	J.M.Patel, V.R.Naik and R.B.Patel (2014). Effect of different lateral, dripper spacing and dripper discharge rates on yield and WUE of onion grown on clay soils. <i>The bioscan</i> 9(4) : 1367-1370.
RESEARCH PAPER IN NATIONAL JOURNAL	
1	S.Raman, M.G.Patel, R.M.Machhi, V.R.Naik , R.P.S.Ahlawat and R.G.Patil (2000). Study on spacing requirement of casurina (<i>Casurina equisetifoliai</i> L) and its effect on physicochemical properties of coastal salt affected soil. <i>Journal of Indian society of Agricultural Research</i> 18(2) : 144-47
2	R.G.Patil, M.G.Savalia, J.J.Makadia, R.M.Machhi, V.R.Naik , and S.Raman (2000). Performance of paddy based crop sequence study under coastal situation of South Gujarat. <i>Journal of Indian Society of Coastal Agricultural Research</i> 18(2) : 172-174
3	R.G.Patil, V.R.Naik , M.G.Savalia, V.D.Barvalia and S.Raman (2007). Crop residue management in paddy-wheat sequence in partially reclaimed coastal salt affected soils of South Gujarat. <i>Journal of Indian Society of Coastal Agricultural Research</i> 25(1) : 67-68
4	N.D.Desai, V.R.Naik, N.G.Savani and R.G.Patil (2009). Improved agro techniques for higher productivity of rabi castor grown on <i>kyari</i> land of South Gujarat (2009). <i>Journal of Indian Society of Coastal Agricultural Research</i> 27(2) : 5-7
5	B.K.Patel, P.B.Patel, V.D.Barvalia, V.R.Naik, H.G.Solanki and R.G.Patil (2011). Effect of land configuration and method of sowing on fresh biomass production of salicornia for vegetable purpose. <i>Journal of Indian Society of Coastal Agricultural Research</i> 29(2) : 5-8
6	L.K.Arvaliya, V.C.Raj, T.U.Patel, M.K.Arvalia and V.R.Naik (2013). Productivity of sweet corn (<i>Zea mays</i>) as influenced by plant population and weed management (2013). <i>BIOINFOLET</i> 10(2A) : 382-384.
7	V.R.Naik , P.B.Patel, B.K.Patel, V.D.Barvalia and R.G.Patil (2013). Integrated nutrient management for wheat cultivated in coastal areas of Gujarat. <i>BIOINFOLET</i> 10(3A) : 800-803

8	V.R.Naik , J.M.Patel and R.G.Patil (2013). Effect of drip lateral spacing and fertigation levels on yield of sweet corn grown in South Gujarat. <i>BIOINFOLET</i> 10(1A) : 168-172
9	J.M.Patel, V.R.Naik and R.G.Patil (2013). Distribution of moisture, salt and nutrient under different drip designs on clay soil. <i>BIOINFOLET</i> 10(3A) : 841-847
10	N.G.Savani, V.R.Naik , J.M.Patel and R.B.Patel (2015). Study on periodical water stress in drip irrigated rabi castor with and without mulch under South Gujarat. <i>Journal of Indian Society of Coastal Agricultural Research</i> 33(2) : 45-48
11	J.R.Naik, V.R.Naik and K.K.Patel (2015). Effect of irrigation and mulching on fruit yield and WUE of smooth gourd. <i>Trends in Biosciences</i> 8(11) : 2811-2813
12	N.G.Savani, R.T.Khatri and V.R.Naik (2015). Pit method of planting sugarcane under drip irrigated sugarcane on vertisols of South Gujarat. <i>Trends in Biosciences</i> 8(8) : 2037-41
13	V.R.Naik , P.B.Patel B.K.Patel and R.G.Patil (2011). Scheduling of irrigation in rabi castor in presence and absence of mulches. <i>In Proceedings National Seminar on "Strategic Resource Management for Sustainable Food and Water Security"</i> G.B.Pant University of Agriculture and Technology, Pantnagar (Uttarakhand), India: June 13-15, 2011 pp: 161-163
14	A.A.Patel, V.M.Patel, V.R.Naik and S.D.Patel (2010). Integrated nutrient management in onion (<i>Allium cepa</i> L) under South Gujarat condition. <i>In Proceeding State level Seminar on "Organic Farming"</i> – 2010, Navsari. pp: 105-106

RESEARCH PAPER PUBLISHED IN ANNUAL CONVECTION/SEMINAR/WORKSHOP	
1	V.R.Naik , R.B.Patel, B.M.Solia, M.R.Gamit, J.M.Patel, and R.G.Patil (2010). Lateral spacing and fertigation study in sweet corn under South Gujarat condition. <i>9th National Symposium on Recent outlook on sustainable Agriculture, Livelihood security and Ecology of Coastal Region at Calangute (Goa) during 27-30th October 2010.</i>
2	V.R.Naik , V.D.Barvalia, R.B.Patel, B.K.Patel and R.G.Patil (2010). Scheduling of irrigation for rabi castor in presence and absence of mulch on coastal salt affected soils of South Gujarat. . <i>9th National Symposium on Recent outlook on sustainable Agriculture, Livelihood security and Ecology of Coastal Region at Calangute (Goa) during 27-30th October 2010.</i>
3	P.B.Patel, A.R.Kaswala, V.R.Naik , V.D.Barvalia, B.K.Patel and R.G.Patil (2010). Screening of rice cultivar against salinity in relation to morphological and physiological traits. . <i>9th National Symposium on Recent outlook on sustainable Agriculture, Livelihood security and Ecology of Coastal Region at Calangute (Goa) during 27-30th October 2010.</i>
4	P.B.Patel, R.D.Vashi, V.R.Naik , V.D.Barvalia, B.K.Patel and R.G.Patil (2010). Development of first fine grain non-lodging and high yielding rice culture GNR-2. . <i>9th National Symposium on Recent outlook on sustainable Agriculture, Livelihood security and Ecology of Coastal Region at Calangute (Goa) during 27-30th October 2010.</i>
5	V.D.Barvalia, P.B.Patel, B.K.Patel, V.R.Naik and R.G.Patil (2010). Effect of land configuration and methods of sowing on performance of salicornia grown for vegetable purpose. . <i>9th National Symposium on Recent outlook on sustainable Agriculture, Livelihood security and Ecology of Coastal Region at Calangute (Goa) during 27-30th October 2010.</i>
6	V.R.Naik (2013). Effect of organics on productivity of paddy (kharif)-castor (rabi) sequence in presence and absence of fertilizer in coastal areas of South Gujarat. Paper presented in <i>In National seminar on role of organic farming in climate resilient and sustainable agriculture at NAU, Navsari. January 9-10, 2014(Year:2013-14)</i>
7	V.R.Naik (2013). Study on effect of different organics on yield and quality of organically grown onion. Paper presented in <i>In National seminar on role of organic farming in climate resilient and sustainable agriculture at NAU, Navsari. January 9-10, 2014(Year:2013-14)</i>

POPULAR ARTICLES AND BOOKLETS/BULLETINS	
1	ખેતીમાં પિયત અને જળ સંસાધન વિષેની સમસ્યાઓ. સુવર્ણજ્યોતિ વર્ષ ૨૦૧૨-૧૩ પરિસંવાદ ગુજરાતમાં ટકાઉ ખેતીના વિકાસની સમસ્યાઓ. ગુજરાત કૃષિ વિજ્ઞાન મંડળ અમદાવાદ, ૧૦, જુન-૨૦૧૩
2	દરિયાકિનારાની પડતર જમીન સુધારવાના ઉપાયો.. વી. ડી. બરવલીયા, વી. આર. નાયક, આર. જી. પાટીલ અને એસ. રામન કૃષિમેળા સ્મરણિકા- જુનાગઢ 2003 પાન- 13
3	દિવેલાની આધુનિક ખેતી પદ્ધતિ, એસ. એસ. સોનવણે., એમ. એમ. ગજજર., બી.એમ.સોલીયા., એન.જી.સવાણી., વી.આર.નાયક અને આ.જી.પાટીલ
4	લોહતત્વયુક્ત ડાંગર – જી.એન.આર-4, ડો. વી.પી.ઉસદડિયા, પ્રો. પી.બી.પટેલ પ્રો. વી.આર.નાયક કૃષિ ગોવિધા વર્ષ : ૬૮ અંક : ૪ ઓગસ્ટ ૨૦૧૫

BOOKS

1	Book	Water Management Research in Gujarat ISBN :978-81-923916-1-8
2	Book	Value Added Products from Banana Pseudostem ISBN :978-81-923916-3-2

BOOKS CHAPTERS

1	Book chapter	Water Management Research in South Gujarat <i>In</i> Water Management Research in Gujarat Compiled and Edited by Patil <i>et al.</i> , 2013 ISBN :978-81-923916-1-8
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TECHNICAL BULLETIN

1	Rice Research in Rainfed and Coastal Areas of South Gujarat Compiled by R. D. Vashi, P. B. Patel, V. R. Naik , R. G. Patil and A. M. Mehta
2	Enhancing productivity of onion in clay soils of South Gujarat Compiled by S. L. Pawar, J. M. Patel, A. M. Patel, V. R. Naik , R. B. Patel, D. R. Prajapati, S. S. Sonvane, N. G. Savani, B. M. Solia, and R. G. Patil
3	Improved Agro-techniques for castor (<i>rabi</i>) under South Gujarat Compiled by V. R. Naik , V. D. Barvalia, P. B. Patel, B. K. Patel, N. G. Savani, B. M. Solia, J. M. Patel, T. D. Patel, C. B. Pavagadhi and R. G. Patil
4	Scope of cotton cultivation in coastal salt affected soils of South Gujarat compiled by S. Raman and R.G. Patil, SWM Bull. 3
5	Bio-reclamation techniques for coastal salt affected soils of South Gujarat Ed. by S. Raman, R.P.S. Ahlawat and R.G.Patil, SWM Bull. 5

6	Water Management Research in Gujarat Ed. by S.Raman, SWMP Pub. 10
7	Dakshin Gujarat na Daria Kantha ni Xargrasta Jamin ma Kapash ni Kheti, Compiled by V. R. Naik , V. D. Barvalia, P. B. Patel, B. K. Patel and R. G. Patil SWMP Pub. 25 2013
8	Gujarat na Kheduto Dwara Navintum Sodh, Published by: KVK, Navsari and SWMRU, NAU, Navsari 2011



Dr. Hirenkumar Hareshlal Patel

Assistant Professor (Agronomy)

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09428325292

Educational Qualification

Degree	Discipline	Year of Passing	University
B.Sc.	Agriculture	2005	Navsari Agricultural University
M.Sc.	Agronomy	2008	Navsari Agricultural University
Ph.D	Agronomy	2013	Navsari Agricultural University

Service Experience till date

Sr. No.	Institute/Office	Designation	No. of years served	Job profile
1	College of Agriculture, NAU, Waghai	Assistant Professor	03	Teaching

Seminar/Symposia/Workshop/Training attended

Event	Number attended	Venue	Date	Topic
Symposia	01	IARI, New Delhi	22-26 Nov 2016	Agronomy for sustainable management of natural resources, environment, energy and livelihood security to achieve zero hunger challenge
Training	01	CAZRI, Jodhpur	03-23 Aug 2016	Livelihood and climate change mitigation and adaptation through agroforestry

Publications

S.No.	Publications	No. of Publications
8.	Research Paper National Journal	03
9.	Popular Paper	01

No of Professional Societies Membership :**2****Dr. Rahul Ramdas Pisal**

Assistant Professor (Agronomy)

rrpagri@nau.in

9974746445

Educational Qualification

Degree	Discipline	Year of Passing	University
Ph.D.	Agronomy	2013	NAU, Navsari
M.Sc. (Agri.)	Agronomy	2010	JAU, Junagadh
B.Sc. (Agri.)	Agriculture	2007	MPKV, Rahuri

Service Experience till date

Sr. No.	Institute/Office	Designation	No. of years served	Job profile
1.	NAU, Navsari	Assistant Professor	3 years	Teaching & Research

Seminar/Symposia/Workshop/Training attended

Event	Number attended	Venue	Date	Topic
Conference	1	MCRS, Surat	19 – 21 st Oct, 2010	Paradigm shift in Cotton Research and Cultivation
Symposia	1	CRIDA, Hyderabad	22 -23 rd Jan, 2013	Climate Change and Indian Agriculture: Slicing Down the Uncertainties CCIA-2013
Training	4	i) DWSR, Jabalpur ii) NAU, Navsari iii) AAU, Anand iv) IMD, Pune	13-15 Nov, 2009 24-29 Jan, 2011 8-12 Aug, 2011 8-14 Sep, 2011	1. Protocols and Methodologies for Weed Survey and Surveillance 2. Leadership/ Entrepreneurship Development of the student 3. Crop Growth Simulation Model (DSSAT) for Groundnut 4. Crop Yield Forecasting using Statistical and Crop Growth Simulation Model
Seminar	3	i. JAU, Junagadh ii) NAU, Navsari iii) NAU, Navsari	20 th Feb, 2010 6, 7 March, 2010 22 th Jan, 2012	1. Precision Farming 2. Organic Farming for Environmental Safety and Sustainability 3. Birds of Gujarat: Present Status and Future Scenario

Academic Achievements

1. Awarded with Chancellor Gold Medal for Ph.D.

Publications

S.No.	Publications	No. of Publications
10.	Research Paper National Journal	14
11.	Research Paper Inter National Journal	2
12.	Extension Bulletin	11
13.	Books	2

14.	Chapters	1
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No of Professional Societies Membership :	04
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Research projects handled

Sr. No.	Project title	PI/Co-PI	Level	Year of approval	Status
1.	Effect of different systems of nutrient management in nagli	PI	Departmental	2014	On-going
2.	Response of little millet (Vari) to organics	Co-PI	Departmental	2016	On-going

No. of students guiding as Chairman/advisory committee

3. M.Sc. - 2

4. PhD

Details of Publications

1) Research Papers:

a) Babulal Meena, Sagarka B.K. and **Pisal R.R.** (2011) Impact of some herbicides and cultural practices on weed and crop parameters in *kharif* pigeonpea (*Cajanus cajan* (L.) Millsp.). *Legume Research*, **34** (1): 55-58.

b) Babulal Meena, Sagarka B.K. and **Pisal R.R.** (2010) Efficacy of new herbicides in *kharif* pigeonpea under South Saurashtra condition. *Indian Journal of Weed Science*, **42** (1&2): 98-100.

c) **Pisal R.R.**, Sagarka B.K. and Babulal Meena (2009) Efficacy of new herbicides in wheat under South Saurashtra region of Gujarat. *Indian Journal of Weed Science*, **41** (1&2): 109-110.

d) **Pisal R.R.**, V.H. Surve, S.C. Jathar and B.K. Sagarka (2013) Impact of weed control treatments on weed flora, nutrient uptake by weeds and wheat crop. *Agricultural Science Digest*, **33** (1): 47-51.

e) J.R. Salunkhe, A.M. Patel, R.G. Patil and **R.R. Pisal** (2013) Effect of banana pseudostem sap as liquid fertilizer in onion. *Indian Journal of Agricultural Research*, **47** (3): 258-262.

f) S.C. Jathar; **R.R. Pisal***; N.D. Bhosale; V.H. Surve and D.R. Padmani (2013) Impact of production factors on the yield and economics of *kharif* groundnut (*Arachis hypogaea* L). *Bioinfolet*, **10** (3A): 768-770.

g) S.C. Jathar; **R.R. Pisal***; V.H. Surve; N.D. Bhosale and D.R. Padmani (2013) Yield, Quality and Nutrient Uptake in *kharif* Groundnut (*Arachis hypogaea* L). *Bioinfolet*, **10** (3A): 779-781.

h) N. N. Gudadhe, Neeraj Kumar, **R. R. Pisal**, B. M. Mote and M. B. Dhonde (2013). Evaluation of Agrometeorological Indices in Relation to Crop Phenology of Cotton (*Gossipium* spp.) and Chickpea (*Cicer aritinum* L.) at Rahuri region of Maharashtra. *Trends in Biosciences*, **6** (3): 246-250.

i) **R. R. Pisal** and B.K. Sagarka (2013). Integrated weed management in wheat with new molecules. *Indian Journal of Weed Science*, **45** (1): 25-28.

j) V. H. Surve, C. L. Patel, **R. R. Pisal**, A. S. Chavan and P. R. Patil (2013), Quality studies in niger (*Guizotia abyssinica* L. Cass) in relation to phosphorus levels. *African Journal of Agricultural Research*, **8** (49): 6401-6408. DOI: 10.5897/AJAR2013.7438.

k) **R.R. Pisal**, M.K. Arvadia, N.G. Savani and V.H. Surve (2013). Response of Wider Spaced Drip Irrigated *Rabi* Castor to Intra-Row Spacing under Varying N Levels. *Trends in Biosciences*, **6** (5): 579-582.

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m) Neeraj Kumar, S. S. Patel, A. L. Chalodia, O. U. Vadaviya, H. R. Pandya, **R. R. Pisal**, K. K. Dakhore and M. L. Patel (2015) Markov chain and incomplete Gamma distribution analysis of weekly rainfall over Navsari region of south Gujarat. *Mausam* **66** (4): 751-760.

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o) Neeraj Kumar, Sumana Roy, A. S. Nain, Suman Kumar, **R. R. Pisal** (2015) Climate Change Vulnerability Assessment through Environment Modification Component of DSSAT Model for Wheat and Urd in Uttrakhand. *Asian Journal of Environmental Science* **10** (1): 62-67.

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2) Popular articles:

a) Surve V.H. and **Pisal R.R.** (2011) Role of genetically modified crops in agriculture. *Rashtriya Krushi*. **6** (1): 45-46.

b) Surve V.H and **Pisal R.R.** (2011). Global Change and its impact on Agriculture. *Readers Shelf*. **7** (12): 4-5.

c) Surve V.H and **Pisal R.R.** (2012). Bt. Biyane: Kalacha Mitra va Shatru. *Krushi Sahitya*, **7**(5):18-20.

d) **Pisal R.**, Modi P.K. and Bhor P. (2012). Conservation tillage for organic farming. *Agrobios Newsletter*, **10**(8): 32-33.

e) Surve V.H. and **Pisal R.R.** (2012). Allelopathy: Concepts in Agriculture. *Rastriya Krushi*, **6**(2):61-62.

f) Modi P.K., **Pisal R.** and Bhor P. (2012). Stone grafting in mango. *Agrobios Newsletter*, **11**(4): 32-33.

g) Surve V.H., P.R. Patil and **Pisal R.R.** (2012). Concept: Integrated nutrient management. *Rashtriya Krushi*. **7** (1): 1-4.

- h) Surve V.H. and **Pisal R.R.** (2012). SHG's a boon for rural poor. *Rashtriya Krushi*. 7 (1): 47-48.
- i) Gaikwad, G., Yadav, P.M. and **Pisal R.R.** (2013). Mahatva dravniy jivanu sanvardhan khatache. *Godva Sheticha*, 9(7): 27-31.
- j) Gaikwad, G., Yadav, P.M. and **Pisal R.R.** (2013). *Kharif jwarivar yenare rog va tyanche niyantran*. *Godva Sheticha*, 9(7): 42-45.
- k) Neeraj Kumar and **Pisal R.R.** (2014). Potentials and possible options to deal with crop residues. *Indian Farmers Digest*, 47(2): 34-35.

3) Books:

- a) **Pisal, R. R.**, Surve V. H. and Sagarka, B. K. (2012). *Weed Management in Wheat*. ISBN no. 978-3-659-12461-7. Published by: LAMBART Academic Publishing, Germany. Ed. -1.
- b) Jathar, S.C., **Pisal, R.** and Padmani, D.R. (2012). *Impact of Various Components on Semi spreading Kharif Groundnut*. ISBN no. 978-3-659-16027-1. Published by: Lambart Academic Publishing, Germany. Ed. -1.

4) Book chapter:

Pathak, A. R., Thanki, J. D., Gudadhe, N. N., Patel, T. U. and **Pisal, R. R.** (2015). Enhancing Agricultural Production with sustainable cropping system *vis-à-vis* future demands. Chapter-15, *India's Perspective Policy on Agriculture*. ISBN: 978-93-5254-417-2. Published by Uttan Krushi Snashodhan Sanstha, Thane, Maharashtra. pp. 129-140.



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Educational Qualification

Degree	Discipline	Year of Passing	University
M.Sc. (Agri.)	Agronomy	2005	S.D. Agricultural University
NET	Agronomy	2013	ICAR

Service Experience till date

Sr. No.	Institute/Office	Designation	No. of years served	Job profile
1.	Jain Irrigation Systems Ltd.,	Agronomist	>3 years	Agronomical consultancy to farmers, marketing
2.	KVK, Navsari / Directorate of Extension Education , NAU, Navsari	Research Associate	1.5 years	Activities related to RKVY project
3.	PFDC, Soil and Water Management Research Unit, Navsari, , NAU, Navsari	Research Associate	>3 years	Conducting activities like research, training, survey, demonstrations related to PFDC project
4.	AES, NAU, Paria	Agriculture Officer	1.5 years	Activities related to AICRP, Mango project
5.	Polytechnic in Agriculture, NAU, Waghai	Assistant Professor	> 1year (Continue)	Teaching, Academic Incharge

Seminar/Symposia/Workshop/Training attended

Event	Number attended	Venue	Date	Topic
Workshop	2	NAU, Navsari	10-11 July, 2009	Application of PRA tools in agriculture Extension
		CoA, Waghai	30/11/2016	Mushroom Bioprospecting and its role in Women Empowerment and Social Upliftment in Tribal Area
Training	2	IHTC, Jaipur	12-16 March, 2012	Greenhouse management
		CoA, Waghai	14 -15 March, 2016	Leadership and Entrepreneurship

Publications

S.No.	Publications	No. of Publications
15.	Research Paper National Journal	4
16.	Research Paper Inter National Journal	1
17.	Technical Documents	15
18.	Others (Radio talk)	2

Research projects handled

Sr. No.	Project title	PI/Co-PI	Level (Departmental/planned)	Year of approval	Status
1.	Response of little millet to organics	PI	Departmental	2016	Ongoing

Details of Publications

1. **Sonavane S.S.**, Gonge A.P., Solia B.M. and Patil R.G. (2014). Evaluation of different intercrops in drip irrigated banana. *Bioinfolet* **11 (1 B)** : 271 - 272.
 2. Solanki P. D., Shah N. I., **Sonavane S. S.** and Dixita Prajapati (2014). Impact of different pruning time and intensity on vegetative parameters of mango cv. Kesar under high density plantation. *Eco. Env. & Cons.* **20 (Suppl.):** 1-4.
 3. **Sonavane S.S.**, Solia B.M., Gonge A.P., Patil S.J., Gajjar M.M. and Patil R.G.(2014). Intercropping options in autumn planted banana. *Trends in Biosciences* **7(15)**: 1927-1931.
 4. Patel V. K., Patel C. R., Parmar V. K., Solanki P. D. and **Sonavane S. S.** (2014). Effect of certain post harvest treatments on physiological and biochemical changes and storage quality of guava (*Psidium guajava* L.) cv. 'Allahabad Safeda' and 'L – 49.' *Trends in Bio Science*, **7 (21)** : 3490-3495.
 5. Gonge A. P., Patel B. N., **Sonavane S. S.**, Zala J. N. and Solia B. M. (2015). Comparative performance of water soluble and routinely used fertilizer with respective to different fertigation levels and frequencies on growth parameters and crop duration of banana cv. Grand naine under drip irrigation. *Indian Journal of Science and Technology*, **8(29)**, 54618
 6. Mahaveer Choudhary, Naik R.M., Chauhan G.G. and **Sonavane S.S.** (2016). Attitude of farmers towards developmental activities of agriculture experimental station NAU, Paria. *Advances in Social Research*, **2**: 25-27
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