

**INFORMATION ON PUBLICATION,
PARTICIPATION, PRACTICAL MANUAL,
AWARD, POPULARIZATION OF
TECHNOLOGIES etc.**

(2009-10 to 2014-15)

**ABSTRACT OF PUBLICATION, PARTICIPATION, PRACTICAL MANUAL, AWARD, POPULARIZATION
OF TECHNOLOGIES etc. (2009-10 to 2014-15)**

Year	Book/Chapter in Book Published	Participated in training and scientific meet	Popular article publish ed	Research paper published in journal	Practical manual Prepared/ published	Research paper accepted/ presented	Training/ demonstration organized	Award/ NET/etc.	Booklet/ Folder etc.
2009-10	2	5	4	4	-	4	-	4	2
2010-11	2	10	3	5	-	1	1	-	1
2011-12	4	3	2	6	1	3	1	-	3
2012-13	6	3	1	6	1	2	1	-	-
2013-14	6	10	1	10	2	6	3	-	4
2014-15	10	4	2	4	1	8	4	-	1
Total	30	35	13	35	5	24	10	4	11

Book/Chapter in Book Published

Year wise Information (2009-10 to 2014-15)

Sr. No.	Title	Author	Name of Publisher
2009-10			
1.	Agricultural Process and Food Engineering-A Basic Approach	M. N. Dabhiand N. K. Dhamsaniya	Kalyani Publication, Ludhiana.
2.	Studies on Forced Air Ventilated Storage of Onion	M. N. Dabhiand N. C. Patel.	Lap Lambert Academic Publishing Germany.
2010-11			
3.	Agro-Processing and Preservation of Farm Produce. A Chapter in book "Farm Sector Development Emerging Issues"	D. M. Vyas, V. K. Chandegara, M. N. Dabhi and P. R. Davara.	M/s Agrobios (India), Jodhpur, Rajasthan.
4.	Post Harvest Practices for Banana followed in Gujarat	Paresh Davaraand N. C. Patel	Lap Lambert Academic Publishing Germany.
2011-12			
5.	Aloe Vera: Development of gel extraction process for Aloe Vera leaves	V. K. Chandegara and A. K. Varshney	Lap Lambert Academic Publishing Germany.
6.	Biochemical Changes in Mustard [Brassica Juncea (Czern and Coss)]: A reference to Powdery Mildew Disease (<i>Erysiphepolygoni</i> . DC)	PankajkumarRathod, DineshkumarVakharia and Ismail U. Dhruj.	Lap Lambert Academic Publishing Germany.
7.	Biochemical and Molecular Aspects of Wilt (<i>Fusarium oxysporum</i> f. sp. ciceri) in Chickpea (<i>Cicer arietinum</i> L.)	PankajkumarRathod	Lap Lambert Academic Publishing Germany.
8.	Studies on Osmotic-Air Drying Characteristics of Prickly Pear Fruit	HimanshuSojaliya D.M. Vyas and P. J. Rathod	Lap Lambert Academic Publishing Germany.
2012-13			
9.	A Hand Book on Spices Cleaner cum Grader :An Approach to Design & Develop a Cumin Cleaner cum Grader	KamleshJethva and A. K. Varshney	Lap Lambert Academic Publishing Germany.
10.	Preparation of Sapota Powder by Osmo-freeze drying	S. P. Cholera and N. C. Patel	Lap Lambert Academic Publishing Germany.
11.	Pulse processing	Parth R. Matukia, V. P. Sangani and R.K. Mathukia	Lap Lambert Academic Publishing Germany.

12.	Storage of Guava Fruit & Osmotic – Air Dehydrated Guava Powder	D. K. Antala. A. K. Varshney and P. R. Davara	Lap Lambert Academic Publishing Germany.
13.	Compressive Strength of Limestone in Saurashtra region: A case study of lime stone.	ThankiDhaval, PankajkumarRathod and Sagar Joshi	Lap Lambert Academic Publishing Germany.
14.	Extraction of Oil from Mango Kernel by Hydraulic Pressing: Post harvest Processing and Food Engineering	P M Babariaand A. K. Varshney	Lap Lambert Academic Publishing Germany.
2013-14			
15.	Design and development of onion grader	M N Dabhi and N C Patel	Lap Lambert Academic Publishing Germany.
16.	Development of process for extraction of pectin from mango peel	NileshChavan, A. K. Varshney and P. R. Davara	Lap Lambert Academic Publishing Germany.
17.	Effect of Blanching on Quality and Shelf-Life of Peanut Kernel: A Special reference to Indian Groundnut.	Sudhir S. Shinde, A. K. Varshney and P. J. Rathod	Lap Lambert Academic Publishing Germany.
18.	An Economic Analysis of Groundnut Seed Production in Gujarat State.	Bharat Dudhat, K. A. Khunt and P. J. Rathod	Lap Lambert Academic Publishing Germany.
19	Farmer's perception about usefulness of agriculture extension system: A special reference to Saurashtra region	V. N. Chavda, M. N.Popat and P.J. .Rathod	Lap Lambert Academic Publishing Germany.
20.	Enzymatic treatments on pigeon pea for better milling characteristics	Dr. V. P. Sangani and Dr. N. C. Patel	Lap Lambert Academic Publishing Germany.
2014-15			
21.	Agricultural Process Engineering – 2 nd Edition	M. N. Dabhi and N. K. Dhamsaniya	Kalyani Publication, Ludhiana.
22.	Drying Technology for Rose & Gerbera Flowers- A tool for preservation and Value addition	M.T.Kumpavat, J.S.Doshi and D.M.Vyas	Lap Lambert Academic Publishing Germany.
23.	Studies on Growth Habit of B.subtillis on potato peel substrate	DevanandGojiya, Asish Joshi and D.M.Vyas	Lap Lambert Academic Publishing Germany.
24.	Preparation and Preservation of Prickly Cactus Pear Syrup	D.M.Paradava and D.M.Vyas	Lap Lambert Academic Publishing Germany.
25.	Plastic packaging waste impact on climate change and its mitigation Book Chapter: Adaptation of Climatic Resilient Water Management and Agriculture Vol.III	Chandegara, V. K.; S. P. Cholera; J. N Nandasana; M. T. Kumpavat and K. C. Patel	Book ISBN 9788121213080 published by Gyan Publishing House , New Delhi , India 2015

26.	Catalysed role of value addition and processing industries in arena of climate change. Book Chapter: Adaptation of Climatic Resilient Water Management and Agriculture Vol.III	Cholera, S. P., V. K.;Chandegara, J. N Nandasana, K. C. Patel. M. T. Kumpavat and M. H. Jethva	Book ISBN 9788121213080 published by Gyan Publishing House , New Delhi , India 2015
27.	Climate change and cement manufacturing. Book Chapter: Adaptation of Climatic Resilient Water Management and Agriculture Vol.III	Thanki, D. S., V. K.Chandegara, G. S. Kharadi, G. D. Gohil and N. B. Parmar	Book ISBN 9788121213080 published by Gyan Publishing House , New Delhi , India 2015
28.	Knowledge of Farmer's about Transgenic cotton: A special reference to Gujarat	D. A. chavda V.N, chavda and P.J.Rathod	Lap Lambert Academic Publishing Germany.
29.	Effect of N P K on Gaillardia cultivation: A special reference to Saurashtra	K.M .Karetha Gajipara and P.J .Rathod	Lap Lambert Academic Publishing Germany.
30.	Extraction of pectin from lemon peel	Kotak Megha Rathod P.J. and Varu Jaya	Lap Lambert Academic Publishing Germany.

**Participated in Training/Refresher Course/ Winter school/
Seminar/Workshop/Symposia/ Conference/Convention etc.**

Year wise Information (2009-10 to 2014-15)

Sr. No.	Title	Place	Duration	Organized by	Name of Faculty
2009-10					
1.	National Seminar on “Amla : An Indigenous Tree With Enormous Uses”	C.C. Mehta Auditorium, Baroda	4-5/08/2009	Botany Department, M.S. University, Baroda	Dr. S.P.Cholera
2.	21 days training (winter school) on “Quality assurance and shelf-life enhancement of fruits and vegetables through novel packaging technology”	Ludhiana	25/09/2009 to 15/10/2009	Central Institute on Post Harvest Engineering and Technology, Ludhiana	Dr. M.N.Dabhi
3.	21 days training (winter school) on “Quality assurance and shelf-life enhancement of fruits and vegetables through novel packaging technology”	Ludhiana	25/09/2009 to 15/10/2009	Central Institute of Post Harvest Engineering and Technology	Dr. V.P.Sangani
4.	Value Addition & Quality Management of Dry Land Fruits	Rahuri (Maharashtra)	01/12/2009 to 21/12/2009	Dept. of Food Science and Technology, Post Graduate Institute, MPKV, Rahuri (MS)	Prof. P.R.Davara
5.	Seminar on: Fal ane Shakhbaji man Processing and Nikas	JAU Junagadh	24-25/5/2009	JAU and Bagayat Vikas Parishad, Anand and Krushi Vigyan Mandal	Dr. V.K.Chandegara
2010-11					
6.	Training on : Project Preparation	JAU, Junagadh	19/10/2010 to 20/11/2010	SAMETI, Gandhinagar, and JAU, Junagadh	Dr. V.K.Chandegara
7.	Workshop on “Building Youth Leadership in Disaster Risk Reduction”	Academic Staff College, Saurashtra University, Rajkot	22-23/11/2010	All India Disaster Mitigation Institute, Ahmedabad & Saurashtra University, Rajkot	Dr. S.P.Cholera

8.	28 days training on Orientation programme,	Academic Staff College, Saurashtra University, Rajkot	15/11/2010 to 12/12/2010	Smt. C. R. Gardi Academic Staff College, Saurashtra University, Rajkot	Dr. M.N.Dabhi
9.	28 days training on Orientation programme,	Academic Staff College, Saurashtra University, Rajkot	15/11/2010 to 12/12/2010	Smt. C. R. Gardi Academic Staff College, Saurashtra University, Rajkot	Dr. S.P.Cholera
10.	28 days training on Orientation programme,	Academic Staff College, Saurashtra University, Rajkot	15/11/2010 to 12/12/2010	Smt. C. R. Gardi Academic Staff College, Saurashtra University, Rajkot	Dr. V.P.Sangani
11.	The Sectoral Seminar on "Agribusiness: Opportunities & Challenges. (As a precursor to Vibrant Gujarat Global Summit)	Ahmedabad	08-12-2010	Government of Gujarat	Prof. D.M.Vyas
12.	Human Resource Development	Junagadh	08/03/2011 to 10/03/2011	Extension Education Institute (Western Region), Anand Agril. University, Anand	Prof. P.R.Davara
13.	Training on : Advances in Agriculture and Animal Husbandry	JAU, Junagadh	14/03/2011 to 16/03/2011	Directorate of Extension Education, JAU, Junagadh	Dr.V.K.Chandegara
14.	Second National Meet of Tractor & Agril. Machinery Manufacturers (TAMM-2011)	JAU, Junagadh	29-30/04/2011	JAU Junagadh	Dr.V.K.Chandegara
15.	Seminar on : Art of writing literature for farming community	JAU, Junagadh	30/07/2011	JAU Junagadh	Dr.V.K.Chandegara
2011-12					
16.	Winter school on Instrumental Techniques in Agriculture and Food Quality Assessment	Deptt. of Biochemistry, JAU, Junagadh	01/10/2011 to 21/10/2011	JAU, Junagadh ICAR Sponsored	Prof. P.R.Davara
17.	Winter school on Instrumental Techniques in Agriculture and Food Quality Assessment	Deptt. of Biochemistry, JAU, Junagadh	1/10/2011 to 21/10/2012	JAU, Junagadh ICAR Sponsored	Dr. S.P.Cholera
18.	Winter school on Instrumental Techniques in Agriculture and Food Quality Assessment	Deptt. of Biochemistry, JAU, Junagadh	1/10/2011 to 21/10/2012	JAU, Junagadh ICAR Sponsored	Dr. V.P.Sangani

2012-13					
19.	National Conference on Krushi, Khadya and Svasthya Sanvardhan Me Nabhikiy Praudhyagiki Ki Bhumika	CAET, JAU, Junagadh	14-15/02/2013	Hindi Vigyan Sahitya Parishad, BARC, Bombay, JAU & NRCG, Junagadh	Dr. V.K.Chandegara
20.	National Conference on Krushi, Khadya and Svasthya Sanvardhan Me Nabhikiy Praudhyagiki Ki Bhumika	CAET, JAU, Junagadh	14-15/02/2013	Hindi Vigyan Sahitya Parishad, BARC, Bombay, JAU & NRCG, Junagadh	Dr. S.P.Cholera
21.	Scientific Report Writing and Presentation	Hyderabad (AP)	04/03/2013 to 07/03/2013	National Academy of Agricultural Research Management (NAARM), Hyderabad (AP)	Prof. P.R.Davara
2013-14					
22.	Training on storage loss parameters and methods of their computation	New Delhi	23-24/07/2013	FCI, Regional office, New Delhi	Prof. R.D.Dhudasha
23.	Seminar on "Bio Safety and Era of Changing Needs of the Nation"	Deptt. of Biotech., JAU, Junagadh	01/10/2013	Deptt. of Science & Tech., and GSBTM	Prof. P.R.Davara
24.	Seminar on "Bio Safety and Era of Changing Needs of the Nation"	Deptt. of Biotech., JAU, Junagadh	01/10/2013	Deptt. of Science & Tech., and GSBTM	Dr. S.P. Cholera
25.	UGC-Sponsored Orientation Programme on "General Subjects"	Ahmedabad	11/11/2013 to 08/12/2013	Academic Staff College, Gujarat University, Ahmedabad (Gujarat)	Prof. P.R.Davara
26.	Orientation Programme: General Subjects	Saurashtra University, Rajkot	02/12/2013 to 29/12/2013	Smt. C. N. Gardi Academic Staff College, Saurashtra University, Rajkot	Dr. V.K.Chandegara
27.	International Conference on Emerging Food Safety Risks : Challenges for Developing Countries"	NIFTEM Campus, Kundli, Sonapat, Haryana, India	09/01/2014 to 11/01/2014	NIFTEM & MOFPI	Dr. S.P. Cholera
28.	International Workshop on Food Safety & Quality	NIFTEM Campus, Kundli, Sonapat, Haryana, India	09/01/2014 to 11/01/2014	NIFTEM & MOFPI	Dr. S.P. Cholera

29.	National Seminar on Woman Farmers	CAET, JAU, Junagadh	04/02/2014 to 06/02/2014	National Council for Climate Change and Sustainable Development and Public Leadership and JAU, Junagadh	Dr. M.N.Dabhi
30.	National Seminar on “Woman Farmer”.	CAET, JAU, Junagadh	04/02/2014 to 06/02/2014	National Council for Climate Change and Sustainable Development and Public Leadership and JAU, Junagadh	Dr. S.P. Cholera
31.	21 days training (winter school) on Engineering interventions in processing and value addition of milk and milk products.	NDRI, Karnal	03/09/2014 to 23/09/2014.	National Dairy Research Institute (NDRI), Karnal	Dr. M.N.Dabhi
2014-15					
32.	National Seminar on “Water Management & Climate Smart Agriculture”.	Centre of Excellence on Soil & Water Management, RTTC, JAU, Junagadh	13-14/02/2015	JAU, Junagadh, WASMO, ICAR and Climate Change Deptt., Govt. of Gujarat	Dr. S.P. Cholera
33.	National Seminar on “Water Management & Climate Smart Agriculture”.	Centre of Excellence on Soil & Water Management, RTTC, JAU, Junagadh	13-14/02/2015	JAU, Junagadh, WASMO, ICAR and Climate Change Deptt., Govt. of Gujarat	Dr. V.K.Chandegar a
34.	Summer school on “Numerical Technique & its Application to Agricultural & Food Engineering Problems.	AAU, Anand	17-06-2015 to 07-07-2015	College of Food Processing Technology & Bio-energy, Anand Agril. University, Anand	Dr. V.K.Chandegar a
35.	ICAR Sponsored Summer school on Entrepreneurship Development through on farm Agro-Processing for Augmenting Rural Prosperity.	MPUAT, Udaipur	03-06-2015 to 23-06-2015	PHT Scheme, College of Technology and Engineering MPUAT, Udaipur	Dr. V.P.Sangani

Popular Article Published

Year wise Information (2009-10 to 2014-15)

Sr. No.	Title	Author	Magazine	Year
2009-10				
1.	Kelani Kapni Pachhinu Vyavasthapan ane Processing	N. C. Patel and P. R. Davara	souvenir of seminar on “Falo ane Shakhaji ma Processing ane Nikas”	2009
2.	Fal ane shakhaji na processing darmyan malta udedash ane kachara no karyaasham upyog	D.K. Antala, V.P. Sangani and A.K.Varshney	souvenir of seminar on “Falo ane Shakhaji ma Processing ane Nikas”	2009
3.	Bij pakoma safsafai ane grading apnavo.	D.K. Antala, V.P. Sangani and D.M.Vyas	Krushigovitya, Vol 6 (2009) p-27-29.	2009
4.	Fal ane shakhajinu canning dwara parirakshan	V.P. Sangani and D.K. Antala	Krushigovitya, Vol 11 (2009) p-19-20.	2009
2010-11				
5.	Gujarat ma Kelani Pravrtman Post Harvest Technology ane Processing	P. R. Davara and N. C. Patel	Krushi Jivan	2010
6.	Jeerana Pakni Kapni Pachhi Mulyavrudhhi	Dabhi M. N.	Khetini Vaat	2011
7.	Shakhajina pako ma post harvest technology.	A.L.Vadher and V.P.Sangani	Krushigovitya, Vol 10 (2011) p-10-11.	2011
2011-12				
8.	Khadya Padarthma Karvama Avti Bhelshelni Chakasani Karvani Padhdhtio	P. R. Davara, V. P. Sangani and D. K. Antala	Khetini Vaat	2011
9.	Processing Dwara Khet Utpadananu Mulya Vardhan	D.M.Vyas	Pragatishil Kheti, SSK, JAU, Junagadh	2011
2012-13				
10.	Adunu processing ane mulyavrudhi.	D. K. Antala, P. R. Davara and V. P. Sangani	Khetini Vat November 2012	2012
2013-14				
11.	Magfali nu processing dwara mulyavardhan.	D. K.Antala, V.P. Sangani, P. R. Davara, P.D.Akbari and Krishna Vaja	Khetini Vat, November 2013, p-40-42	2013
2014-15				
12.	Processing Machineris Developed by Processing and Food Engineering Department	D.M.Vyas V.K.Chandegara and J.N.Nandasana	Krishi Jeevan: March 2015, 47(8) P 19-28	2015
13.	Flapper based sized grader for round shape fruits	D.M.Vyas V.K.Chandegara and J.N.Nandasana	Krishi Jeevan: March 2015, 47(8) P 19-28	2015

Research Paper Published in Journal

Year wise Information (2009-10 to 2014-15)

Sr. No.	Title of Paper	Author	Name of Journal	Volume No.	Issue No.	Page No.
2009-10						
1.	Effect of peanut cultivars on quality of peanut butter	Dhamsaniya N K, Patel N C, and Dabhi M N.	Beverage & Food World. 2009.	36	12	36-38
2.	Assessment of post harvest losses in banana grown in Gujarat	P. R. Davara and N. C. Patel	Journal of Horticultural Sciences	4	2	187-190
3.	Development of Low Cost, Bullock Drawn, Multi-Purpose Implement for Sandy Loam Soil.	Chandegara V.K.	Agricultural Mechanization in Asia Africa Latin America	40	4	63-69
4.	Performance evaluation of flapper based size grader for potato and onion.	R.L.Patel, K.K.Gajera, D.M.Vyas, V.P.Sanganiand D.K.Antala	Institute of Engineers Journal - Agricultural Engineering	90	2	31-33
2010-11						
5.	Preparation of Pineapple powder by osmo-air drying of pineapple slices	S. P. Cholera, H. H. Pathan, R. P. Patel, V. M. Bhatt and A.K. Varshney	Beverage and Food World. 2010	37	10	58-61
6.	Effect of hexaconezole on yield attributes of different cultivars of Mustard in response to powdery mildew disease.	Rathod, P.J and Chatrabhuji, P.M	Biotechnology: An Indian Journal.	4	2	100-102
7.	Changes in epicuticular wax, peroxidase, polyphenol oxidase and cellulose content in different mustard leaves infected with powdery mildew disease in both naturally infected and fungicide treated plants,	Rathod, P.J, Chatrabhuji, P.M and Vakharia, D.N	Research and Reviews in Biosciences	4	2	83-87

8.	Changes in crude protein, phenols and lignin in different mustard leaves infected with powdery mildew disease in both naturally infected and fungicide treated plants.	Rathod, P.J and Chatrabhuji P.M	Biotechnology : An Indian Journal	4	2	103-106
9.	Changes in total chlorophyll and carbohydrates in different mustard leaves infected with powdery mildew disease in both naturally infected and fungicide treated plants.	Rathod, P.J and Chatrabhuji P.M.	Natural product: An Indian Journal.	6	2	102-106
2011-12						
10.	Assessment of post harvest losses and value addition to banana grown in Gujarat	P. R. Davara and N. C. Patel	Agricultural Engineering Today	35	4	3-9
11.	Effect of Pretreatment & Drying Condition for Preparation of Banana Flour	J. B. Karkar, A. K. Varshney V. P. Sangani and D. K. Antala	Beverages and Food World. 2011	38	11	-
12.	Effect of pre-treatments and drying condition for preparation of banana flour.	Karkar J.B., Varshney A.K., Sangani V.P. and Antala D.K.	Beverages and Food Word. 2011	38	11	60-62
13.	Effect of process parameters on extraction of essential oil from cumin.	Sangani V. P. and Patel N. C.	Journal of Agril. Engineering	49	4	54-56
14.	Biochemical changes in chickpea caused by Fusarium oxysporium f. sp. cicerii.	Rathod, P.J and Vakharia D. N.	International Journal of Plant Physiology and Biochemistry	3	12	195-204
15.	Variation in individual phenolics pattern in wilt infected chickpea.	Rathod, P.J and Vakharia D. N.	International Journal of Plant Protection	5	1(4)	49-53
2012-13						
16.	Moisture dependent physical properties of pigeon pea grains	V. P. Sangani and P. R. Davara	International Journal of Post Harvest Technology and Innovation	3	1	51-62
17.	Ethno-medicinal weed flora in various crops fields in bharuch district, Gujarat, India	Prashant R. Pandya., B. A. Jadeja., P. J. Rathod and Joshi Dhara D.	View of Space: International Multidisciplinary Journal of Applied Research.	1	5	22-25
18.	Effect of different drying methods on drying characteristics of gerbera	M.T.Kumpavat J.B.Raol and D.M.Vyas	Gujarat Agricultural Universities Research Journal (GAU	37	2	104-115

	flowers		RES.J.)			
19.	Drying Characteristics of Rose Flowers	Jaydipsinh B. Raol, Mahendrasinh T. Kumpavat and D.M.Vyas	Journal of Agricultural Engineering(JAE)	50	1	39 - 46
20.	Weed flora of rice crop field in Gujarat region	Prashant R. Pandya, B.A. Jadeja, P.J.Rathod and Joshi Dhara D.	View of Space: International Multidisciplinary Journal of Applied Research	1	5	26-28
21.	Development and evaluation of Whey based RTS Beverages from Ripe Banana Juice	N.K.Dhamsaniya and A. K. Varshney,	J Food Process Technology	2	4	-
2013-14						
22.	Storability of wheat harvested by different methods	RajendraDhudashia and MukeshDabhi.	Agricultural Engineering	39	2	1-8
23.	Aloe Vera L. processing and products : A review	V.K. Chandegara and A.K. Varshney	International Journal of Medicinal and Aromatic Plants	3	4	492-506
24.	Effect of Centrifuge Speed on Gel Extraction from Aloe Vera Leaves.	Chandegara VK and Varshney AK	Journal of Food Process Technology	5	1	295
25.	Design and Development of Leaf Splitting Unit for Aloe Vera Gel Expulsion Machine.	V.K. Chandegara and A.K. Varshney	Journal of Food Processing	37	4	427-437
26.	Optimization of enzymatic hydrolysis parameters of pigeon pea for better recovery of dhal,	Sangani V. P., Patel N. C. P.R.Davra, D. K. Antala and P.D.Akbari	International Journal of Agricultural Science and Technology	2	4	77-105
27.	Optimization of roller speed and feed rate of mini dhal mill for hulling efficiency of pigeon pea	P. R. Matukia, V.P.Sangani and R.K. Mathukia	Current Research in nutrition and food science	2	3	176-181
28.	Optimization of enzymatic hydrolysis of pigeon pea for cooking quality of dhal	Sangani V. P., Patel N. C. V. M. Bhatt, P. R. Davra and D. K. Antala	International Journal of Agriculture and Biological Engineering	7	5	123-132
29.	Evaluation for genetic purity and diversity in isoenzyme a-Esterases of ten pearl millet hybrids (<i>Pennisetum glaucum</i>)	Vaja, M. B., Rathod, P. J and Mandavia, M. K..	Asian journal of bioscience	9	1	76-79
30.	Effect of Urea and Zinc tretement on Biochemical	J.M.Parmar, K.M. Karetha and	International journal of forestry and crop	2	5	61-64

	components of guava fruits Cv Bhavnagar Red	P.J.Rathod	improvement			
31.	Effect of foliar spray of Urea and zinc on growth and flowering attributes of Guava cv. Bhavnagar red.	J.M.Parmar, K.M. Karetha and P.J.Rathod	Advanced Research journal of crop improvement.	2	5	140-143
2014-15						
32.	Extraction of Enzymes from Potato Peels Substrate using Bacillus subtilis	Ashish Joshi, M.N. Dabhi and RavalKashyap.	International Journal of Current Microbiological. Applied Science	4	8	451-458
33.	Extraction of oleoresin from rotten onion by supercritical CO ₂ extraction method	P.C. Balani, Y.B. Kalnar, D.M. Vyas and S.H. Suthar	Green Farming. An International Journal of Applied Agricultural & Horticultural Sciences	5	4	648-652
34.	Studies on drying characteristics for gerbera flowers	M.T. Kumpavat, J.B. Raol, V.K. Chandegara and D.M. Vyas	Int. J. Postharvest Technology and Innovation	5	1	64-80
35.	Firmness Evaluation of Bottle Gourd using Penetrometer	Dhamsaniya N. K., Ponkia G. N. and Maravaniya S.B.	International Journal of Food, Nutrition and Dietetics	3	2	15-18

Practical Manual Prepared

Year wise Information (2009-10 to 2014-15)

Sr. No.	Subject	Author	Semester
2011-12			
1.	Practical Manual : Engineering Properties of Biological Materials and Food Quality (APE-201)	V. P. Sangani and P. R. Davara	3 rd - B. Tech. (Agril. Engg.)
2012-13			
2.	Practical Manual : Crop Process Engineering (APE-202)	V. P. Sangani, P. R. Davara and D. K. Antala	4 th - B. Tech. (Agril. Engg.)
2013-14			
3.	Dairy and Food Engineering (PFE-301)	M. N.Dabhi and H. R.Sojaliya	5 th - B. Tech. (Agril. Engg.)
4.	Practical Manual : Drying and Storage Engineering (APE-304)	P. R. Davara, V. P. Sangani and D. K. Antala	6 th - B. Tech. (Agril. Engg.)
2014-15			
5	Practical Manual: Food Packaging Technology (PFE-401)	S.P.Cholera, H.R.Sojaliya and BanseeDevani	7 th – B.Tech. (Agril. Engg.)

Research Paper Accepted/ Presented in Conference/Seminar/Workshop/Symposia

Year wise Information (2009-10 to 2014-15)

Sr. No.	Title of Paper	Author	Name of Conference/Seminar/ Workshop/Symposia	Duration	Presented/ Accepted
2009-10					
1.	Kelani Kapni Pachhinu Vyavasthapan ane Processing	N. C. Patel and P. R. Davara	Seminar on “Falo ane Shakhaji ma Processing ane Nikas”	24-25/05/2009	Presented
2.	Fluidized bed drying of Osmotically dehydrated pineapple slices.	S.P. Cholera, H.H. Pathan, R.P. Patel, V.M. Bhatt and A.K. Varshney	National Seminar on “Novel Dairy & Food Products of the Future”	19-20/09/2009	Presented
3.	Packaging of materials for safe storage of coriander seeds against cigarette beetle	Dhudashia R. D. , A. K. Varshney and K. K. Jain	XLIV ISAE Annual Convention & Symposium IARI, New Delhi	28-30/01/2010	Presented
4.	Studies on storage of dehydrated onion and garlic powder	Varshney A. K., S. P. Cholera, A.S. Otari and V. P. Sangani	XLIV ISAE Annual Convention & Symposium IARI, New Delhi	28-30/01/2010	Presented
2010-11					
5.	Potential of FT-NIR spectroscopy for predicting oil content of samples of groundnut	Sujit B.C., P.J. Rathod, Girish Mittal and J.B.Mishra	International seminar & expo 65th otai annual convention, oil fats and oleo chemicals.”	03-05/12/2010	Presented
2011-12					
6.	Agro bacterium mediated genetic transformation of groundnut cultivars using PR-10 gene for enhancing tolerance to salinity stress	S.K.Bera, Nikita Ved., and P.J.Rathod	International conference on plant science in post genomics year . Sambalpur University in association with the Society for Plant Physiology and Biochemistry, New Delhi	17-19/02/2011	Presented
7.	Physicochemical Properties of Ripe Banana Fruits of Grand Naine Cultiver	N. K. Dhamsaniya and A. K. Varshney	46 th Annual Convention of ISAE	27-29/02/2012	Presented

8.	Thin Layer Drying Study on Foamed Anola Pulp	Kachhadia R. A. , B. L. Jani, B.P. Budharani, R. S. Godhani and D. M. Vyas	46 th Annual Convention of ISAE	27-29/02/2012	Presented
2012-13					
9.	Studies on process development for quality papain	B. L. Jani, D. M. Vyas, J. B. Sojitra, R. A. Kachhadia, and R. S. Godhani	47 th ISAE Annual Convention of ISAE held at Acharya N.G.Ranga Agricultural University, Hyderabad	28-30/01/2013	Presented
10.	Non-Thermal Food Processing using Irradiation Techniques	A.K Varshney.D.M .Vyas , PJ Rathod	Rashtriya Vaigyanik Sangoshti" krishi, khad aevam nabhkiya prodhogiki bhumikaye BARC and CAET, JAU, Junagadh	14 -15/02/ 2013	Presented
2013-14					
11.	Role of women in Agro-processing	M N Dabhi	National Seminar on Woman Farmers at CAET, JAU, Junagadh	04-06/02/2014	Presented
12.	Effect of osmo-freeze drying on quality of sapota powder	S.P. Cholera and N. C. Patel	International Conference on Emerging Food Safety Risks : Challenges for Developing Countries at NIFTEM Campus, Kundli, Sonapat, Haryana, India	09-11/01/2014	Presented
13.	Preparation of honey based herbal banana powder by osmo-air drying.	A.D. Mhaske, M.H. Jethva and S. P. Cholera	International symposium on "Innovations in Horticulture for Nutritional Security, Conserving Biodiversity and Poverty Alleviation" at School of Biosciences and Biotechnology, B.B. Ambedkar University, Lucknow	16-18/02/2014	Presented
14.	Agriculture: Climate Change Impact on Crop Water Requirements in South Saurashtra Region of Gujarat State.	Harji D. Rank, Pankaj J. Rathod and Hiren P. Patel.	National Seminar On Climate Change Impacts on Water Resources Systems.	2013	Presented

15.	Climate Change Analysis for the Coastal Belt Area of Saurashtra.	Harji D. Rank, Pankaj J. Rathod, Hiren P. Patel, Popat B. Vekariya, Rajni J. Patel and Dhaval M. Paradava	National Seminar On Climate Change Impacts on Water Resources Systems	2013	Presented
16.	Climate Change Impact on Rainfall in Junagadh District of Gujarat State, India	Harji D. Rank, Pankaj J. Rathod, Hiren P. Patel and Popat B. Vekariya	National Seminar On Climate Change Impacts on Water Resources Systems	2013	Presented
2014-15					
17.	Catalyzed role of value addition and processing industries in the arena of climate change	S. P. Cholera, V. K. Chandegara, J.N. Nandasana, K.C. Patel, M.T.Kumpavat, and M.N. Jethva	National Seminar on “Water Management & Climate Smart Agriculture Centre of Excellence on Soil & Water Management, RTTC, JAU, Junagadh	13-14/02/2015	Presented
18.	Climate Change and Cement Manufacturing Industries	V.K.Chandegara, S. P. Cholera, J.N. Nandasana, K.C. Patel and M. T. Kumpavat,	--do--	--do--	Presented
19.	Effect of Climate Change on Import and Export of Food Products	V.A.Naliapara M.H.Jethva and S. P. Cholera	--do--	--do--	Presented
20.	Shakbhaji ni kapani pachhini prakriyao	J.N. Nandasana, V.K. Chandegara and D.M. Vyas	Seminar on ‘ “Post Harvest Management in Vegetables Anand Agricultural University, Anand	02/01/2015	Presented
21	Effect of Blanching on Quality of Aloe Vera Fortified Lime Marmalade	N. Manda Devi, V.K.Chandegara and Bansee Devani	National seminar on “Emerging trends in food quality and safety” held on at College of Food Processing Technology and Bio-Energy, A.A.U., Anand	15-16/01/2015	Presented

22	Novel edible coating for enhancing shelf-life and improving postharvest quality of Fruits and Vegetables	Vanza Vanita and V K Chandegara	National seminar on “Emerging trends in food quality and safety” held at College of Food Processing Technology and Bio-Energy, Anand Agricultural University, Anand,	15-16/01/2015	Presented
23	Studies on Effect of Slice Thickness and Temperature on Drying Kinetics of Kothimbda (Cucumiscollosus) and its Storage	D.K. Gojiya and D.M.Vyas	National Seminar on Hi-tech Horticulture for Enhancing Productivity, Quality and Rural Prosperity	19-20/01/2015	Presented
24	Plastic packaging waste impact on climate change and its mitigation	Chandegara, V. K., S. P.Cholera, J.N Nandasana, M. T. Kumpavat and K. C. Patel	National Seminar on Water management and Climate Smart Agriculture	13-14/02/2015	Presented

Training/Event Organised

Year wise Information (2009-10 to 2014-15)

Sr. No.	Title of Training/Event	Period (From to)	Beneficeries
2010-11			
1.	Practical Training on Mango Canning for Kesar Mango	1 st June to 10 th June, 2010	UG/PG Students, Mango Growers of Saurashtra Region, and Entrepreneurs.
2011-12			
2.	Practical Training on Mango Canning for Kesar Mango	1 st June to 10 th June, 2011	UG/PG Students, Mango Growers of Saurashtra Region, and Entrepreneurs.
2012-13			
3.	Practical Training on Mango Canning for Kesar Mango	1 st June to 10 th June, 2012	UG/PG Students, Mango Growers of Saurashtra Region, and Entrepreneurs.
2013-14			
4.	Practical Training on Mango Canning for Kesar Mango	1 st June to 10 th June, 2013	UG/PG Students, Mango Growers of Saurashtra Region, and Entrepreneurs.
5.	Processing and value addition of Cereal, pulses and spices.	25/7/2014	38
6.	Processing and value addition of Cereal, pulses and spices.	07/11/2014	18 (Tribal Farmers/Farm women of vil. Jambur Ta.: Talala)
2014-15			
7.	Practical Training on Mango Canning for Kesar Mango	1 st June to 10 th June, 2014	UG/PG Students, Mango Growers of Saurashtra Region, and Entrepreneurs.
8.	Processing and value addition of Soyabean, pigeon pea and cereals.	11/02/2015	32
9.	Soyabean processing and value addition	12-14 March,2015	7
10.	Technology Demonstration Fair	23 March, 2015	About 400 farmers

Award Received /NET, ARS Qualified

Year wise Information (2009-10 to 2014-15)

Sr. No.	Particulars of award/NET/ARS	Awarded by	Name /No. of Faculty	Year
2009-10				
1.	NET Qualified	-	2	2009
2	Kejriwal Award for Best Article of Interest to the Industry for the article “Effect of wax coating & packaging at low temperature on the storage behaviour of kesar mango” (Jointly Written) published in the Nov-Dec. 2008 issue of Indian Food Packer.	The award was given by India Food Packers Association at Banglore on Date 19-12-2009. The award carrying a cash prize of 5000/- and a citation.	Prof. D.M.Vyas	2009
2.	Best popular article “Haldar nu processing “Published in KrushiGovidya, November 2008.	Anand Agricultural University, Anand	Dr. V.K.Chandegara	2009

BOOKLET/LEAFLET PUBLISHED

Year wise Information (2009-10 to 2014-15)

Sr. No.	Title	Author	Booklet/ Leaflet/Folder etc.	Language
2009-10				
1	Value addition by processing of farm product	Department	Leaflet	Gujarati
2	Sapota Grader	Department	Leaflet	Gujarati
2010-11				
3	Status Report of Onion Storage and Dehydration Industry in Gujarat	Dabhi M. N., A.K. Varshney, K. K. Jain, D.M. Vyas and J.N. Nandasana	Booklet	English
2011-12				
4	Cumin Cleaner cum Grader	P. R. Davara, M. N. Dabhi, A. K. Varshney, D. M. Vyas and K. R. Jethva	Booklet	English
5	On Farm Fruit Grader	P. R. Davara, M. N. Dabhi, A. K. Varshney, D. M. Vyas and R. U. Shah	Booklet	English
6	Status Report of Onion Storage and Dehydration Industry in Gujarat	M. N. Dabhi, A.K. Varshney, K. K. Jain, D.M. Vyas, and J.N. Nandasana	Booklet	English
2012-13				
2013-14				
7	Research Achievements	A. K. Varshney, M. N. Dabhi and P. R. Davara	Booklet	English
8	Ph.D. and M.Tech. Theses of Processing & Food Engineering (2005-2012)	A. K. Varshney, M. N. Dabhi and D.M. Vyas	Booklet	English
9	Sapota Cleaning Machine	Department	Leaflet	Gujarati
10	Fruit Grader	Department	Leaflet	Gujarati
2014-15				
11	Valuable Research Recommendations on Food Processing and Value Addition	A.K. Varshney and P.J. Rathod	Booklet	English

OTHER IMPORTANT PUBLICATION

Sr. No.	Title	Author	Booklet/ Leaflet/Folder etc.	Language
1	Research Digest of AICRP on Post Harvest Technology (1980-90)	Department	Booklet	English
2	Post Harvest Profile of Groundnut (1999)	A.K. Varshney, S.H. Akbari; J.N. Nandasana V. M. Bhatt and R. D. Dhudashiya.	Booklet	English
3	Studies on Groundnut Bruchid(Caryedon Serratus Fab.)	A.K.Varshney, V. M. Bhatt, S.H. Akbari; and J.N. Nandasana	Booklet	English
4	Status of Agro Processing Industries in Gujarat	A.K. Varshney, J.N. Nandasana, S.H. Akbari; R.D. Dhudashiyaand V.M. Bhatt	Booklet	English
5	Post Harvest Profile of Coriander Dhal	A.K.Varshney, J.N. Nandasana and S. H. Akbari	Booklet	English
6	Post Harvest Profile of Groundnut	A.K. Varshney,S.H.Akbari, J.N. Nandasana,V. M. Bhatt and R. D. Dhudashiya.	Booklet	English
7	Research Achievements	A. K. Varshney,S.H.Akbari D. M. Vyas, V.M.Bhatt J.N. NandasanaandA.L.Vadher	Booklet	English
8	Research Achievements	M.N.Dabhi, A. K. Varshney,S.H.Akbari V.K.Chandegara, D.M.Vyas J.N. NandasanaandK.K.Jain	Booklet	Gujarati
9	Post Harvest Profile of Aloe Vera	V.K.Chandegara, A. K. Varshney,M.N.Dabhi, D.M.Vyas, J.N. NandasanaandK.K.Jain	Booklet	English
10	ABSTRACT: B.Tech. and M.Tech. (Agric. Engg.) Project Report (gricultural Process and Food Engineering/Post Harvest Technology (1988-2000)	A. K. Varshney,D.M.Vyas and J.N. Nandasana,	Booklet	English

11	ABSTRACT: B.Tech. and M.Tech. (Agric. Engg.) Project Report (Agricultural Process and Food Engineering/Post Harvest Technology (1988-2003)	A. K. Varshney, D.M. Vyas, J.N. Nandasana, V.P. Sangani and S.P. Cholera	Booklet	English
12	Abstract : M.Tech. Theses and B.Tech. Dissertation of agricultural Process and Food engineering (1988-2004)	A. K. Varshney, D.M. Vyas, J.N. Nandasana, S.H. Akbari, V.P. Sangani and S.P. Cholera	Booklet	English
13	Important points for Onion Storage	Department	Folder	Gujarati
14	Feed Block Making Machine	Department	Folder	Gujarati
15	Agro Processing Centre	Department	Folder	Gujarati
16	Agro Processing Centre- Fareni	Department	Folder	Gujarati
17	Success Story	Post Harvest Technology Centre, Junagadh	Booklet	English