

**Kamlesh R. Jethva**



**Qualification** : Ph. D (Processing and Food Engineering)

**Designation** : Assistant Professor

**Total Experience** : 19 Years (13 Years at AAU, Anand)

**Specialized Subject:** Processing and Food Engineering, Post harvest technology, Food Packaging Technology, Agri. Structures & Env. Control, Heat & Mass Transfer, Engg. Prop. of Bio. Mats.

**Personal Details :**

<b>E-Mail:</b>	krjethva78@aau.in	
<b>Qualification:</b>	<b>2016-2021</b>	<b>Ph. D (Processing and Food Engineering)</b> College of Agricultural Engineering & Technology, Anand Agricultural University, Godhra, Gujarat, India
	<b>2010</b>	<b>ICAR NET Qualified</b>
	<b>2001 - 2003</b>	<b>Master of Technology (Agricultural Process &amp; Food Engineering)</b> College of Agricultural Engineering & Technology, Junagadh Agricultural University, Junagadh, Gujarat, India
	<b>1995 - 1999</b>	<b>Bachelor of Technology (Agricultural Engineering)</b> College of Agricultural Engineering & Technology, Gujarat Agricultural University, Junagadh, Gujarat, India
<b>Experiences:</b>	<b>Research Associate (15-Dec. '2003 To 12-Dec. '2006)</b> Centre for Management in Agriculture, Indian Institute of Management (IIM),Ahmadabad, Gujarat, India	
	<b>Operation In charge (18-Dec. '2006 To 16-Dec. '2009)</b> Reliance Retail Limited (RRL), Ahmadabad, Gujarat, India	
	<b>Assistant Professor (18-Dec. '2009 To Till Date),</b> College of Agricultural Engineering & Technology, Anand Agricultural University, Godhra, Gujarat, India	
<b>Departmental &amp; Research Activities:</b>	<b>Departmental Developmental Activities</b>	
	Developed a Agricultural Process Engineering Lab; Drying & Storage Engineering Lab; Processing Plant at PFE Department	
	<b>Research Activities</b> 1. Greenhouse Management in Arid Areas. 2. Earth Tube Heat Exchanger (ETHE) and its Applications in arid areas of Kutch Region. 3. Dew-rain Harvest System as a Supplemental Source of water for Coastal Areas of Kutch	

	<ol style="list-style-type: none"> <li>4. Study and Demonstration of a Small Modern Supply Chain for Fresh Fruits and Vegetables in the Ahmedabad.</li> <li>5. Development of Appropriate Harvest and Post-harvest Technology for Custard Apple for Tribal Area of Gujarat.</li> <li>6. Optimization of Process Parameters for Protein Fortified Kesar Mango Leather</li> </ol> <p><b>UG Projects Guided</b></p> <ol style="list-style-type: none"> <li>1. Post Harvest Handling of Custard apple in Panchmahal Region of Middle Gujarat (2011-12).</li> <li>2. Study of Present Status of Custard Apple in Jambughoda, Ghoghamba, Lunawada and Sahera Talukas (2012-13)</li> <li>3. Dehydration Characteristics of Drumstick Leaves Powder (2013-14) .</li> <li>4. To Study the Drying Characteristics of Banana Powder (2014-15).</li> <li>5. To Study the Physico-Chemical Properties of Custard Apple (2015-16).</li> <li>6. To Study the Effect of Various Chemicals and Packaging Materials on Shelf Life of Custard Apple (2016-17).</li> <li>7. To Study the Physical Properties of Cashew Nut and It'S Processing (2016-17).</li> <li>8. Development and Standardization of Ready-to-Serve Aloe Vera Ginger Juice (2018-19).</li> <li>9. Development of Protein Fortified Mango Bar (2019-20).</li> <li>10. Effect of Drying Temperature on Physio-Chemical Properties of Aam Papad (2019-20).</li> <li>11. Storage study of Mango leather (2020-21)</li> </ol>
<p><b>Publications/ Participation:</b></p>	<p><b>Publications in National/International Journals:</b></p> <ol style="list-style-type: none"> <li>1. Tiwari, V. K., and <b>K. R. Jethva</b> (2002). "Development of groundnut digger blade suitable for a small tractor." <i>Agricultural Engineering Today</i>, 26(3and4): 1-6.</li> <li>2. Tiwari, V. K., and <b>K. R. Jethva</b> (2001). "Development of Groundnut Digger Blade Suitable for a Small Tractor." <i>Journal of Agricultural Engineering</i> 38(3): 45-48.</li> <li>3. Sharan, G. and <b>Kamlesh Jethva</b> (2005). "Cropping in Arid Area Greenhouse." <i>IIMA Working Papers</i>, W.P.No. 2006-12-03.</li> <li>4. Sharan, Girja, and <b>Kamlesh Jethva</b> (2007). "Cooling and heating of greenhouse in arid area by earth tube heat exchanger." <i>International Symposium on High Technology for Greenhouse System Management: Greensys2007</i> 801.</li> <li>5. Sharan, G and <b>Jethva, K.</b> (2008) "Cooling and Heating of Greenhouse in Arid Area by Earth Tube Heat Exchanger", <i>Acta Horticulturae</i>, 801: 451-464, ISHS 2008.</li> <li>6. <b>Jethva K. R.</b> and Varshney A. K. (2015). "Performance Evaluation of Developed Reciprocating type Cumin Cleaner cum Grader." <i>International Journal of Agricultural Engineering</i> 8(2): 151-159.</li> <li>7. Nimesh Chauhan and <b>Jethva K. R</b> (2016). "Drying Characteristics of Banana Powder". <i>Indian Journal of Science</i>, 23(77):75-88.</li> <li>8. <b>Jethva K. R.</b> and Varshney A. K. (2016) "Design and Development of Reciprocating type Cumin Cleaner cum Grader" <i>Agricultural Mechanization in Asia, Africa and Latin America</i>, 47(1): 7-12.</li> <li>9. <b>Jethva K. R.</b> and Sharan G (2016). "Assessment of Environment Control in Arid Area Greenhouse coupled with Earth Tube Heat Exchanger". <i>Current World Environment</i>, 11(1): 243-250.</li> </ol>

10. **K. R. Jethva**, D. K. Vyas, R. F. Sutar, N. Kumar and F. G. Sayyad (2018). "Bio-Fuels Algae: An Alternative Renewable Energy Source (A Review Paper)". *International Journal of Agricultural Science and Research*, 8(2): 101-108.
11. Sagar Kachhadiya and **K. R. Jethva** (2018). Physico-chemical properties of Custard Apple. *International Journal of Biochemistry Research & Review*, 20 (1): 1-13.
12. Sagar Kachhadiya and **K. R. Jethva** (2018). Physico-chemical properties of Custard Apple. *Multilogic in Science*, VII(XXV): 91-97.
13. **K. R. Jethva**, R. F. Sutar, N. Kumar and D. K. Vyas (2021). Effect of whey protein on sun dried protein enriched kesar mango leather. *Journal of Pharmacognosy and Phytochemistry*, 10(2): 824-830.
14. **K. R. Jethva** and N.M. Chauhan (2022). Effect of drying method on organoleptic quality of banana powder. *International Journal of Innovative Research in Science, Engineering and Technology*, 11(8):11243-11250

**Books/Chapter/Booklet Published:**

1. P. R. Davara, A. K. Varshney, D. M. Vyas and **K. R. Jethva** (2010-11). Booklet on Cumin cleaner cum Grader published at CAET, Junagadh Agricultural University, Junagadh.
2. **K. R. Jethva** and A. K. Varshney (2012). A Hand Book on Spices Cleaner cum Grader :An Approach to Design & Develop a Cumin Cleaner cum Grader. *Publisher - LAP Lambert Academic Publishing GmbH & Co. KG, Germany, ISBN no. : 978-3-8454-2781-2.*
3. **K. R. Jethva** and Deep Singh. (2014). Production Technology for Preparation of Drumstick Leaves Powder, *Publisher - LAP Lambert Academic Publishing GmbH & Co. KG, Germany, ISBN no. : 978-3-659-68278-0.*
4. Vishal Kukadia and **K. R. Jethva** (2017). Post Harvest Handling of Custard Apple in Panchmahal District, *Publisher - LAP Lambert Academic Publishing GmbH & Co. KG, Germany, ISBN no. : 978-3-330-07903-8.*
5. **K. R. Jethva**, Vishal Kukadia and Vipul Balasara (2018). Post Harvest Handling of Custard Apple (A Status Report on Post Harvest Handling of Custard Apple in Panchmahal Region of Middle Gujarat), *Publisher - LAP Lambert Academic Publishing GmbH & Co. KG, Germany, ISBN no. : 978-3-659-93047-8.*

**Participation in Seminar/Workshop/Conference/Symposium:**

1. Participated in National seminar on "**Value Added Products: Opportunities for Agro Industrial Units**" organized by Gujarat Agricultural University, Junagadh during December 16-17, 2002.
2. Participated in National seminar organized by College of FPT&BE, AAU, Anand in association with AFST(I) and FDCA, Gujarat on October 15-16, 2014.
3. Participated in National seminar on "**Emerging Trends in Food Quality and Safety**" organized by College of FPT&BE, AAU, Anand in association with AFST(I) and FDCA, Gujarat on October 15-16, 2015.
4. Participated in one day workshop on "**Energy Conservation Awareness**" jointly organized by College of Agricultural Engineering and Technology, Anand Agricultural University, Godhra and Gujarat Energy Development Agency, Gandhinagar on February 09, 2016.
5. Participated in 29<sup>th</sup> National Convention of Agricultural Engineers on "**Agro-Tech Industries: Status, Scope and Strategies for Food Security**" organized by The Institution of Engineers (India) in association with Anand Agricultural University, Anand during February 20-21, 2016.

	<ol style="list-style-type: none"> <li>6. Participated in National symposium on “<b>Non-Theraml Technoloiges for Improvement of Safety and Quality of Foods</b>” Sponsored by GUJCOST and organized by College of Food Processing and Bio-Energy, AAU, Anand on 18<sup>th</sup> March 2017.</li> <li>7. A research paper on “<b>Drying Kinetics of Drumstick Leaves Powder</b>” authored by Sagar Kachhadiya, <b>K.R. Jethva</b> and Deep M. Singh presented at 51st Annual Convention of ISAE and Nation Symposium on “Agril. Engg. for sustainable and Climate Smart Agriculture” at CCS Haryana Agricultural University, Hissar during 16-18 February 2017.</li> <li>8. A research paper on “<b>The Physico-chemical properties of Custard Apple</b>” authored by Sagar Kachhadiya, Sagar Vaghasiya and <b>K. R. Jethva</b> presented at 51st Annual Convention of ISAE and Nation Symposium on “Agril. Engg. for sustainable and Climate Smart Agriculture” at CCS Haryana Agricultural University, Hissar during 16-18 February 2017.</li> <li>9. A research paper on “<b>Effect of Various Chemicals and Packaging Materials on Shelf Life of Custard Apple</b>” authored by <b>K. R. Jethva</b>, Sagar Kachhadiya, and Pinal Vaghasiya presented at 52<sup>nd</sup> Annual Convention of ISAE and National Symposium on “Doubling Farmers’ Income through Technological Interventions” held at AAU, Anand during 08-10 January 2018.</li> </ol>
	<p><b>Gujarati Articles Published:</b></p> <ol style="list-style-type: none"> <li>1. કમલેશ આર. જેઠવા અને જગદીશ જે. ચાવડા (ડિસેમ્બર, ૨૦૧૫). “ખેતપેદાશોનું પ્રોસેસિંગ દ્વારા મૂલ્યવૃદ્ધિ અને તેનું મહત્વ”. કૃષિ જીવન મેગેજીન (વર્ષ: ૪૮ અંક: ૫, સળંગ અંક: ૫૬૬).</li> <li>2. કમલેશ આર. જેઠવા અને જગદીશ જે. ચાવડા (જાન્યુઆરી, ૨૦૧૬). “ખોરાકમાં થતી ભેળસેળથી બચીએ”. કૃષિ ગોવિધ્યા મેગેજીન (વર્ષ: ૬૮, અંક: ૮, સળંગ અંક: ૮૧૩).</li> <li>3. કમલેશ આર. જેઠવા, જગદીશ જે. ચાવડા અને રાજેશ એસ. ગોધાની (જાન્યુઆરી, ૨૦૧૭). “કૃષિ ક્ષેત્રે હાઇ-ટેક પ્રોસેસિંગની જરૂરિયાત શા માટે”. કૃષિ જીવન મેગેજીન (વર્ષ: ૪૯ અંક: ૬, સળંગ અંક: ૫૭૯).</li> <li>4. કમલેશ આર. જેઠવા (માર્ચ, ૨૦૧૭). “મકાઈની કાપણી બાદની પ્રક્રિયાઓ અને તેનું આયોજન” કૃષિ ગોવિધ્યા મેગેજીન (વર્ષ: ૬૯ અંક: ૧૧, સળંગ અંક: ૮૨૭).</li> <li>5. કમલેશ આર. જેઠવા અને જગદીશ જે. ચાવડા (ડિસેમ્બર, ૨૦૧૭) “ સીતાફળની ખેતી અને તેનું મૂલ્યવર્ધન” કૃષિ જીવન મેગેજીન (વર્ષ: ૫૦, અંક: ૫, સળંગ અંક: ૫૯૦).</li> <li>6. જે. જે. ચાવડા, કે. આર. જેઠવા અને ડી. કે. વ્યાસ (જુલાઈ, ૨૦૧૮). “ ઔષધિય છોડના ઉપયોગ દ્વારા રોગોના ધરગથ્થુ ઇલાજ”. કૃષિ ગોવિધ્યા મેગેજીન (વર્ષ: ૭૧ અંક: ૩, સળંગ અંક: ૮૪૩).</li> <li>7. કમલેશ આર. જેઠવા અને સંજય ચોલેરા (માર્ચ, ૨૦૧૯). “કેરીના પાકમાં પ્રોસેસિંગ દ્વારા મૂલ્યવર્ધન” કૃષિ જીવન મેગેજીન, પેજ નં: ૧૭-.</li> <li>8. કમલેશ આર. જેઠવા અને સંજય પી. ચોલેરા (જૂન, ૨૦૧૯). “ફળ પાકોને પેકેજિંગ કરવાની આધુનિક પદ્ધતિઓ અને તેનું મહત્વ”. કૃષિ ગોવિધ્યા મેગેજીન (વર્ષ: ૭૨ અંક: ૨, સળંગ અંક: ૮૫૪).</li> <li>9. એસ. પી. ચોલેરા, બી. એમ. દેવાણી અને કે. આર. જેઠવા (એપ્રિલ-જૂન, ૨૦૨૨). “સિતફળમાં મૂલ્યવર્ધન”, ફળપાકોમાં મૂલ્યવર્ધન બૂક, ગુજરાત બાગાયત વિકાસ (અંક: ૮૭).</li> </ol>
<p><b>Scholarship/ Awards:</b></p>	<ol style="list-style-type: none"> <li>1. A <b>Research Scholarship</b> awarded by ASPEE Agricultural Research and Development Foundation, Mumbai, for the M. Tech Research Study.</li> <li>2. Get <b>Best Poster Award</b> for the paper on “A study on Physical Properties and Drying Characteristics of Custard Apple” presented in National seminar on “Emerging Trends in Food Quality and Safety” held during October 15-16, 2015 at College of FPT&amp;BE, AAU, Anand</li> </ol>

	<ol style="list-style-type: none"> <li>3. Selected as an <b><i>Outstanding Participants</i></b> in the ICAR sponsored 21 days summer school on “Modern Techniques and Approaches in Storage of Harvested and Processed Plant and Animal Food Products” organized by CIPHET, Ludhiana during June 11 to July 01, 2014. A letter of commendation received from the organizing institute.</li> <li>4. <b>Uttam Lekh Award (3<sup>rd</sup> Position)</b> given from Anand Agricultural University, Anand for the year of 2015-16 under category of Dairy, Food Processing and Home Science. Article on “<b>Khorak ma Thati Bhelshel thi Bachiye</b>” was published in “Krushgi Govidhya Magazine”</li> <li>5. <b>Best Teacher Award</b> given for the year 2015-16 in the faculty of Agricultural Engineering and Technology by Anand Agricultural University, Anand.</li> <li>6. ‘<b>Certificate of Excellence with Bharat Vikas Award</b>’ received by <i>Institute of Self Reliance, Bhuneshwar (Odisha)</i> for his outstanding contribution in the field of Post Harvest Management on the occasion of National Seminar on “<i>Diversity of Culture and Social Environment</i>” on 19<sup>th</sup> November, 2017 held at Bhuvneshwar, Odisha, India.</li> <li>7. <b>Uttam Lekh Award (2<sup>nd</sup> Position - Agril. Engg.)</b> from Anand Agricultural University, Anand received by Kamlesh R. Jethva and Sanjay P. Cholera for the year of 2019-20 under category of Agril. Engg. Article on “<i>Falpakonu Peking nu Aadhunik Paddhati and tenu Mahtav</i>” was published in “Krushgi Govidhya Magazine” (Varsh: 72, Aank: 2, Month: June-2019).</li> </ol>
<p><b>Member of Scientific Societies:</b></p>	<ol style="list-style-type: none"> <li>1. Life Member, Indian Society of Agricultural Engineers (<b>ISAE</b>)</li> <li>2. Life Member, The Gujarat Association For Agricultural Sciences (<b>GAAS</b>)</li> <li>3. Life Member, <b>CAET Alumni Association</b>, Junagadh</li> <li>4. Associated Editors, JAE Editorial Board: Global Science &amp; Technology Forum (<b>GSTF</b>)</li> <li>5. Editorial Member, International Journal of Agricultural Sciences (<b>Bioinfo Publications</b>)</li> <li>6. Life Member, Association of Food Scientists and Technologists (<b>AFSTI, Mysore</b>)</li> <li>7. Life Member, <b>Agricultural Engineering Alumni Association, Godhra</b></li> <li>8. Member, <b>Institute of Engineers (India), Kolkata</b></li> </ol>