

CURRICULUM VITAE

TAPRE AJAY RAMESHRAO

Office Address

Associate Professor
Dept of Food Processing Technology,
A.D. Patel Institute of Technology
New Vallabh Vidyanagar,
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18, Shiv Florence,
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Contact No.

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Professional Qualification:

Ph.D. (Food Processing Tech)	June 2013	Sophisticated Instrument Centre For Applied Research And Testing- SICART, Sardar Patel University, Vallabh Vidyanagar. Thesis: "Studies on Enzymatic Clarification of Advanced Maturity Stages Banana Pulp"
NET 2011	2012	Qualified National Eligibility Test (NET) conducted by Agricultural Scientist Recruitment Board, ICAR, New Dehli
M. Tech. (Food Sciences)	Nov. 2001	From Collage of Food Technology, M.A.U.,Parbhani with 8.69 / 10 C.G.P.A. Dissertation: Effect of Lactoperoxidase System (LP system) on keeping quality of raw buffalc milk.
B. Tech. (Food Sciences)	1999	From Collage of Food Technology, M.A.U. Parbhani with 8.02/10 C.G.P.A. Project Work: Studies on yield, isolation of galactomannan and rheological characteristics of Guar: RCG-1002 and RGC-1011

	At. Mandideep, Dist. Raisen. (MP)				development
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Sponsored Research Projects

As a Co-Investigator for two years project on “Development of Process Technology for Functional Snack Food Using Flaxseed” sanctioned by Ministry of Food Processing Industries G.O.I. for Dec 2013 – Dec 2015 (18.9 lakhs, Sanction order No. SRRB/MOFPI/0037/2013 dt. 2013).

As a Co-Investigator for two years project on ‘Investigation of Efficacy of Deoxy Ribonuclease (DNSse) and other Antimicrobial Agents Against Biofilms of Pathogens’ sanctioned by Ministry of Science and Technology Department of Biotechnology, Govt of India for Sept 2014 to Aug 2017 (18.5 lakhs, Sanction order No. BT/Bio-CARe/03/9298/2013-14 dt. 15.9.2014)

Publications

15. Murlidhar Ingle, **A. R. Tapre** and Radhika Nawkar (2019). Drying Kinetics and Mathematical Modeling of Bottle Gourd. Current Journal of Applied Science and Technology, 38(5):1-8 (ISSN: 2457-1024, NASS rating 5.32)

14. S. Bansode, R. C. Ranveer, **A. R. Tapre**, P. M. Ganorkar, S. B. Sadale and A. K. Sahoo (2019). Enzymatic Clarification and Preservation of Aloe vera Juice by Ohmic Heating. Current Journal of Applied Science and Technology, 35(6): 1-9. (Article no.CJAST.49327, ISSN: 2457-1024; NASS rating 5.32). Date of publication:10.6.2019

13. **Tapre A.R.** and Jain R.K. (2016). Study of inhibition of browning of clarified banana juice. Asian Journal of Dairy and Food Research, 35(2): 155-159, 2016 DOI: 10.18805/ajdfr.v35i2.10723 (ISSN No. Print 0971-4456, Online ISSN: 0976-0563; NASS Rating 3.88, Published 3.6.2016;)

12. **Tapre A.R.** and Jain R.K. (2014). “Optimization of an enzyme assisted banana pulp clarification process. International Food Research Journal, 21(5):2043-2048, 2014 (ISSN 1985-4668) Accepted: 27.1.2014 UGC Approved

11. **Tapre A.R.** and Jain R.K. (2014). Effect of enzymatic treatment on juice yield, viscosity and clarity of banana juice. Asian Journal of Dairy and Food Research. 33 (1):25-31. (ISSN No. Print 0971-4456, DOI: 10.5958/j.0976-0563.33.1.006; NASS Rating 3.88) Accepted: 1.4.2014

10. **Tapre A.R.** and Jain R.K. (2014). Pectinases: Enzymes for Fruit Processing Industry: A Review. International Food Research Journal,

21(2): 447-453, 2014 (ISSN 1985-4668) Accepted: 29.11.2013; UGC Approved

09. **Tapre A.R.** and Jain R.K. (2012). "Optimization of process variables for enzymatic clarification of banana pulp" International Journal of Emerging trends in Engineering and Development. Issue 2, Volume 7: 319-330 (E- ISSN 2249-6149; h index 5). 22.11.2012

08. **Tapre A.R.** and Jain R.K. Study of Advanced Maturity Stages of Banana. International Journal of Advanced Engineering Research and Studies. 1(3) April-June issue: 272-274, 2012 (E ISSN: 2249- 8974;)

07. P. Ganorkar, A. Nandane and **A. Tapre**. Reverse Osmosis for Fruit Juice Concentration – A Review. Research & Reviews: A Journal of Food Science and Technology, 1(1):23-36 April 2012 (ISSN:2321-6468 print, 2278-2249 online)

06. A.S. Nandane, **A.R. Tapre** and R.C. Ranveer. Applications of Bacteriosins as Bio-preservative in Foods: A Review. ADIT Journal of Engineering, 4(1): 50-55, Dec.2007 (ISSN: 0973 3663)

05. B.K. Sakhale, A.S. Nandane, **A.R. Tapre** and R.C. Ranveer. Studies on Dehydration of Curry leaves. ADIT Journal of Engineering, 4(1): 62-64, Dec. 2007 (ISSN: 0973 3663)

04. R.C. Ranveer, V.N. Pawar, B.K.Sakhale And **Tapre A.R.** Effect of storage conditions on the degree of browning of raisins. Bioinfolet , 4(3): 235-238,2007 (0973- 1431 print, 0976-4755 online; impact factor 4.2) UGC APPROVED

03. **Tapre, A.R.**, P.S. Kadam And B.S. Agarkar. Effect of activation of lactoperoxidase system (LP-system) on the keeping quality of raw buffalo milk. The Indian Journal of Nutrition and Dietetics, (2005) 42(1),30. (ISSN: 0022-3174; NASS Rating 4.21). JANUARY

02. A.R. Sawate, V.P. Patil, P.U. Ghatge, R.B. Kshirsagar and **A.R.Tapre**. Studies on effect of syrumping and drying methods on quality of papaya candy. Journal of Soil and Crops, 15(1) June. 2005 (ISSN: 0971-2836)

01. R.B. Kshirsagar, A.R. Sawate, T.G.Bendale, B.S.Agarkar and **A.R.Tapre**. Effect of pretreatments on quality characteristics of selected varieties of frozen Green arhar / Tur(Cajanus cajan). Indian Food Packer, 58(6): 159-164, 2004(ISSN: 0019-4808)

Papers/ Poster Presented at National and International Conference

06. **A.R. Tapre.** Utilization of Cactus Pear Fruit (Oppuntia Spp.) – a Review. 29th National Convention of Agricultural Engineers (NCAE-2016) during February 22-21, 2016 at Anand Agril University, Anand

05. **A.R. Tapre.** Food Quality and Safety. National Seminar on ‘Food Quality and Safety- New Technologies and Applications’ organized by Collage of Food Processing Technology and Bioenergy, Anand Agricultural University, Anand in association with AFST (I) and FDCA, Gujarat on October 15-16, 2014.

04. **A.R. Tapre** and R.K. Jain. Emerging trends and technologies in horticultural processing for food safety and security. Proceedings of National Food Seminar on ‘New Vistas in food processing with quality assurance for augmenting rural prosperity’ organized by College of Technology and Engineering, M.P.U.A.T, Udaipur (Rajasthan) during 21-22 June, 2013, 46-54.

03. **A.R. Tapre** and R.K. Jain. Pectinases: Enzymes for Fruit Processing Industry. National Food Processing Technology Seminar on ‘Innovations of Food Processing in the 21st Century’ organized by A.D. Patel Institute of Tech., New V.V. Nagar, Anand (Gujarat)during 8-10 July, 2010, 68-74.

02. At International Conference on Traditional Dairy Foods at National Dairy Research Institute Karnal (Haryana) during November 14-17, 2007 on ‘Enrichment of dairy by-products with fruit juices for production of beverages’ PPD-63

01. On “5th Indian convention of Food Scientists and Technologists 2002” at CFTRI, Mysore.

Book:

‘Enzymatic Clarification of Advanced Maturity Stages Banana Pulp’ by A.R. Tapre and R.K. Jain. Publisher Lap Lambert Academic Publishing, Germany. Published on 3.6.2014 (ISBN-13: 978-3-659-54586-3, ISBN-10: 3659545864; EAN: 9783659545863)

Book Chapter

Book chapter ‘Food Irradiation’ published in the book ‘Fundamentals of Food Engineering and Applications’ pp 149- 167 edited by S. Srivastav and P. M. Ganorkar. Publisher Brillion Publishing, New Delhi. Published on 2018 (ISBN: 978-93-87296-1-45)

Trainings /Workshop Organized

Worked as a Co-coordinator in Brain Storming Session on ‘Role of Faculty Advisor in Student Counseling’ held at ADIT on dated 30.6.2018

Worked as a Reviewer and Faculty coordinator of session during 22 ISTE State Annual Faculty Convention and National Conference on “Engineering Innovations for Social and Environmental Development” on 30th December 2017 at ADIT

Worked as Coordinator of 4 weeks workshop on ‘Entrepreneurship Development’ sponsored by Entrepreneurship Development Institute of India, Gandhinagar and organized by A.D. Patel Institute of Technology, New Vallabh Vidhyanagar, Anand from 1st August 2016 to 27th August 2016.

Worked as a Co- coordinator of Two Weeks Summer School on “State of the Art Technologies in Food Engineering” sponsored by AICTE organized by Dept of Food Processing Technology, A.D. Patel Institute of Technology, New VV Nagar during 10-21th August, 2015

Worked as a Co-ordinator of Two days National Seminar on “Gujarat: Opportunities in Food Processing” sponsored by IE (I), ISTE, AFSTI and organized by Dept of Food Processing Technology, A.D. Patel Institute of Technology, New VV nagar during 18-19th April, 2015

Worked as Co-ordinator of 21 days workshop on ‘Entrepreneurship Development’ sponsored by Entrepreneurship Development Institute of India, Gandhinagar and organized by A.D. Patel Institute of Technology, New Vallabh Vidhyanagar, Anand from 18th December 2013 to 7th January 2014

Trainings / Short Course Attended

10. Attended one week Faculty Development Programme on ‘Creativity, Problem solving and Innovation’ organized by Anil and Asha Patel Endowment Fund for a Course on Creativity at Charotar University of Science and Technology (CHARUSAT) during 16th to 23rd November, 2019

09. Attended one week Multidisciplinary Faculty Development Programme on ‘Quality Engineering and Management’ organized by Mechanical Engineering Department, G. H. Patel College of Engg. & Tech., Anand (Gujarat) during 15th to 19th December, 2014.

08. Attended 2 weeks Faculty Development Programme on ‘Entrepreneurship Development’ organized by Centre for Entrepreneurship Development (CED) in support of National Science and Technology Entrepreneurship Development Board, Govt. of India at CED, Gandhinagar from 25th February – 9th March, 2013.

07. Attended 2 weeks workshop on “Introduction to Research Methodologies” sponsored by Ministry of Human Resource Development and IIT, Bombay at MBICT, New Vidyanagar from 25th June- 4th July,2012

06. Attended AICTE/ISTE sponsored Faculty / Executives Development Programme on ‘Advances and Opportunities in Food Processing Technology ’ organized by A.D. Patel Institute of Tech., New V.V. Nagar, Anand (Gujarat)during Feb. 23-27, 2009

05. Attended short term training programme on ‘Modern Analytical Techniques and Certification Systems in Foods in the Era of Liberalization and Globalization’ organized by Sant Longowal Institute of Engg. & Tech., Longowal (Punjab) during June 9-15, 2008.

04. Completed certificate course in ‘Communication Skill through Technology’ at H. M. Patel Career Development Centre, Vallabh Vidyanagar during 10th-18th Jan 2008

03. Attended short term training programme on ‘Enhancing Teaching Skills’ at A .D. Patel Institute of Tech., New V.V. Nagar on 10-14 Sept., 2007

02. Completed short course on “Phytopsanitary and HACCP Requirements for Export Quality Food Products” organized by College of Food Technology, M.A.U., Parbhani (22-31 Dec. 2006)

01. Completed 3 months Inplant training at “Modern Food Industries (I) Ltd.” Goregaon, Mumbai. Manufacturer of bakery products.

Seminars/workshops/symposiums attended

Participated in Kaizen Workshop on ‘Domain Knowledge’ organized by H M Patel Career Development Centre, Vallabh Vidyanagar on dated 25.06.2019

Participated in Kaizen Workshop on ‘Domain Knowledge’ organized by H M Patel Career Development Centre, Vallabh Vidyanagar on dated 18.06.2019

Participated in Kaizen Workshop on ‘Skills for Students Parenting’ organized by H M Patel Career Development Centre, Vallabh Vidyanagar on dated 26.10.2018

Participated in Kaizen Workshop on ‘Team Creativity’ organized by H M Patel Career Development Centre, Vallabh Vidyanagar on dated 27.9.2018

11 Participated in Brain storming session on 'Submission of progress reports of the projects including budget utilization' held at ADIT on dated 26.06.2018

10. Attended session during 22 ISTE State Annual Faculty Convention and National Conference on "Engineering Innovations for Social and Environmental Development" on 30th December 2017 at ADIT

09. Attended Regional Seminar on '21st Century: Priorities in Technical and Higher education' organized by Charutar Vidya Mandal in association with ISTE, Gujarat section & Gujarat Technological University on August-3rd , 2011

08. Attended AICTE sponsored National Food Processing Technology Seminar on 'Innovations of Food Processing in the 21st Century' organized by A.D. Patel Institute of Tech., New V.V. Nagar, Anand (Gujarat) during 8-10 July, 2010

07. Attended one day workshop on 'Research and Publication' at A .D. Patel Institute of Tech., New V.V. Nagar, Anand (Gujarat) on 24th April, 2009

06. Attended one day workshop on 'Setting A Question paper' at A .D. Patel Institute of Tech., New V.V. Nagar, Anand (Gujarat) on 6th March, 2009

05. Participated in the National Seminar on "Innovations in Food Processing and Entrepreneurships Development" organized at Anand Agricultural University, Anand, Gujarat during February 9-10, 2009

04. Attended two days symposium on 'Drying and Dehydration in Food and Chemical Industries- Recent Advances' at A .D. Patel Institute of Tech., New V.V.Nagar and G. H. Patel Institute of Engg. & Tech., Anand (Gujarat) on 22-23 Aug, 2008

03. Participated in one day course on 'Chemical Engineering for Non-chemical Engineers' at Dept. of Chemical Engg., G. H. Patel Institute of Engg. & Tech., Anand (Gujarat) on Oct.27, 2007

02. Attended 12th Annual Convention of ISTE, Gujarat section & one day symposium on 'Excellence in Technical Education Through Innovation' at BVM Engg. College, Vallabh Vidyanagar on Oct.20, 2007

01. Attended in one day symposium on 'Export Potential of Indian Foods & Developments in Food Processing sector' at A .D. Patel Institute of Tech., New V. V.Nagar on Sept.18, 2007

Consultancy activities

- A.S. Kulkarni and A.R. Tapre working as a Principal Investigators for consultancy work for Puro Wellness, Pvt Ltd, Mumbai on 'Development of Healthy Papad and shelf life extension of Papad' (MoU signed between ADIT and Puro Wellness Pvt.Ltd, Mumbai on March, 2019; Rs.2.5 lakhs)
- Worked as a Principal Investigator for consultancy work for Deepak Foundation, Vadodara (Gujarat) on 'Development of Instant Meal Mix by usage of combinations of rice and pulses' (MoU signed between ADIT and Deepak Foundation, Vadodara on dated January 22, 2018 ; Rs.2.5 lakhs, Project completed on dated 31.3.2019).
- Worked as a member for consultancy work for M/s Printpack Packaging Supplies (India) Pvt Ltd. Bangalore on 'Shelf Life & Nutritional Studies on Bottled Flavoured Milk' during July 2016 to October 2016 (MoU signed between ADIT and M/s Printpack Packaging Supplies (India) Pvt Ltd. Bangalore, Rs.1.2 lakhs)
- Worked as a team member for consultancy work for Akashganga Foods (MoU has been signed between ADIT and Akashganga Foods, Anand on January 2014)
- Worked as a Project Co-ordinator in 'Energy Bar' product development project (MoU has been signed between ADIT and K.K. Foods, Ahmadabad on dated 5.5.2012)
- Consultancy Team member for S.G. Patel Ayurvedic Hospital, New VV Nagar
- On behalf of A.D. Patel Institute of Technology prepared project proposal for Multi-line Product Training Centre for Harsiddh Education Trust, Vadodara (NGO) for submitting to Ministry of Food Processing (July 2007)

Invited/ Expert lectures:

- Invited as a Expert for Training -cum- Coaching for ICAR NET (National Eligibility Test) exam at College of Food Processing Technology and Bio Energy, Anand Agricultural University, Anand on dated 14.10.2018
- Delivered a talk on 'Market Survey' on 25th August at 10.00-11.00am during 4 weeks workshop on 'Entrepreneurship Development' sponsored by Entrepreneurship Development Institute of India, Gandhinagar and organized by A.D. Patel Institute of Technology, New Vallabh Vidhyanagar, Anand from 1st August 2016 to 27th August 2016.

- Delivered a talk on ‘Constraints and Scope of Banana Processing’ in Two Weeks Summer School on “State of the Art Technologies in Food Engineering” sponsored by AICTE and organized by Dept of Food Processing Technology, A.D. Patel Institute of Technology, New VV Nagar on 18th August 2015.
- Delivered a talk on ‘Banana Processing’ in ‘Banana Festival-2014’ organized by Rotary Club of Bharuch and FARM Bridge at J. P. Arts and Science College, Bharuch on 23rd February, 2014
- Delivered a talk on ‘ISO- Concept and Application’ in ‘Entrepreneurship Development’ workshop sponsored by Entrepreneurship Development Institute of India, Gandhinagar and organized by A.D. Patel Institute of Technology, New Vallabh Vidhyanagar, Anand on 1st January 2014.
- Delivered a lecture on ‘Guidelines for Starting an Enterprise- Sources of Finance’ at A.D. Patel Entrepreneurship Club’ at A.D. Patel Institute of Technology on 19th July 2013

Guided Research Projects (B.E. Level): 06

**Reviewer: M.Tech. (Food Technology) Thesis
Ph.D. (Food Technology) Thesis**

Professional Membership:

- Life member of Indian Society for Technical Education (ISTE), New Delhi- 110 016 (LM 57799)
- Life member of The Institution of Engineers, India (Memb No. M-148360-3 Regn No. 140200850060).
- Life member of Indian Arid Legumes Society, Central Arid Zone Research Institute, Jodhpur – 342 003 (India)
- Life member of Association of Food Scientists & Technologists (India), CFTRI, India (Membership No. AFST/LM/7-2018/VVN/2085)

Extracurricular Activities

- As a Departmental Finance member in ‘Student Startup And Innovation Policy’ (SSIP) Committee at ADIT nodal center
- Worked as a Faculty coordinator in the event ‘Food labelling’ during the technical events Spectrum-18 from 26-28 March 2018.
- Worked as a Faculty coordinator of session during 22 ISTE State Annual Faculty Convention and National Conference on “Engineering Innovations for Social and Environmental Development” on 30th December 2017, Saturday at ADIT.

- Editor of the book 'Become A Food Entrepreneur' by Monarch Shah published on October 2017.
- Working as reviewer for technical journal: Applied Biochemistry and Biotechnology, International Food Research Journal
- Thesis Evaluator: M.Tech. (Food Technology) College of Food Technology, M.A.U., Parbhani (2015- 02, 2016-02)

Thesis Evaluator: Mr. Iranna S. Udachan entitled 'Development and Quality Evaluation of Protein and Fiber Enriched Pasta' Ph.D. (Food Technology) Thesis. Shivaji University, Kolhapur (2017)

- Served as a 'Hostel Superintendent' for boys hostel at A.D. Patel Institute of Technology, New VV Nagar (July 2007 to October 2016)
- Working as a Counsellor in 'Indira Gandhi Open University' diploma course entitled 'Value added products from Fruits & Vegetables' and 'Dairy Technology' at ADIT, New Vidya Nagar
- Worked as a Departmental NBA Coordinator
- RMS Co-ordinator
- As a member of ADIT Internal Quality Assurance Cell (IQAC) from Sept. 2015
- Write off committee
- Anti-ragging committee
- As a Treasurer of 'Association of Food Scientists & Technologists (India)' Vallabh Vidyanagar Chapter from March, 2016
- Working as a 'Food Chemistry' Laboratory In-charge at A.D.I.T.
- Departmental coordinator for Food Processing Technology events for the technical event "Shashvat 14" held at A.D. Patel Institute of Technology from 20th to 23rd March, 2014.
- Working as paper setter, evaluator and practical examiner for end semester examinations conducted by Gujarat Technological University

- Worked as departmental committee member for following academic and technical committees at A.D. Patel Institute of Technology
 - Time Table Committee
 - ISO processes- Teaching learning process, Cultural Activities, Co-curricular activities of students
 - NBA committees: Co-curricular activities students, Extra-curricular activities students
 - Purchase Committee member

Personal Details

Date of Birth: 25th September 1977
Marital Status: Married
Sex: Male
Nationality: Indian
Domicile: Maharashtra
Languages Known: English, Hindi, Marathi and Gujarati

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

Date:
Place : (Tapre A. R.)