

Curriculum Vitae

Dr. Pankaj B. Pathare

Assistant Professor of Postharvest Technology
Department of Soils, Water and agricultural Engineering
College of Agricultural and Marine Sciences
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1. PERSONAL DETAILS

Full name	Dr. Pankaj B. Pathare
Present position	Assistant Professor of Postharvest Technology
Address	College of Agricultural and Marine Sciences, Sultan Qaboos University, Al-Khod 123, PO Box 34, Sultanate of Oman
Date of birth	15/02/1980
Nationality	Indian
Marital status	Married, 2 daughters
Date of appointment	03/10/2017
Degrees awarded (years)	PhD in Process & Chemical Engineering, UCC, Ireland (2007 - 2010)
	M Eng in Process and Food Engineering, MPUAT, Udaipur, India (2001 -2003)
	B Tech in Agricultural Engineering, Dr. PDKV, Akola, India (1997 - 2001)
Work experience (Position and Dates)	Assistant Professor , Sultan Qaboos University, Oman (Oct 2017 – till date)
	Researcher at Newcastle University, UK (Aug 2014 –Sept 2017)
	Postdoctoral Researcher , Stellenbosch University, South Africa (Jan 2011 – Aug 2014)
	Lecturer , Maharashtra Institute of Technology, Aurangabad, India (Aug 2006 –June 2007)
	Research Assistant , Central Institute of Post-Harvest Engineering & Technology, Ludhiana, India (Sept 2003 –Aug 2006)
Research Interests and Professional Expertise	Postharvest Technology Food Process Engineering Food Security Nondestructive Techniques
Websites	
ORCID	https://orcid.org/0000-0001-5140-0272
G.Scholar	https://scholar.google.co.uk/citations?user=a5841AgAAAAJ&hl=en
ResearchGate	https://www.researchgate.net/profile/Pankaj-Pathare-2
WoS/Publons	https://publons.com/researcher/737173/pankaj-pathare/
Scopus	https://www.scopus.com/authid/detail.uri?authorId=6603770134
Detailed CV	https://www.squ.edu.om/Portals/10/SWAE%20Faculties/pp.pdf?ver=2020-08-16-233711-493

2. Awards, Honors, Recognition and Achievements

#	Year	Award, achievement, recognition	Source
1	2020	Postgraduate student received best presenter award	2nd ICSARD, Puworkerto, Indonesia
2	2016	Highly cited paper: Colour measurement and analysis in fresh and processed foods: A review. Food and Bioprocess Technology, 6 (1) 36-60, DOI: 10.1007/s11947-012-0867-9	Web of Science
4	2012	Overseas Conference Grant (South Africa) for CIGR- AgEng 2012, Valencia, Spain	DRD Grant , South Africa
5	2007	Food Institutional Research Measure (FIRM), Ireland Initiative funding to undertake PhD at UCC, Ireland	Department of Agriculture, Fisheries and Food, Ireland

4. Teaching

Teaching courses	
Undergraduate courses	Postgraduate courses
Introduction to Agricultural Engineering (SWAE 2001)	Non-destructive Testing of Biological Materials (SWAE 6203)
Postharvest Technology and Quality Management (SWAE 3203)	Advanced Topics in Soils, Water and Agricultural Engineering (SWAE 6009)
Advances in Postharvest Technology (SWAE 4204)	

5. Scholarly Activities

Selected Refereed Journal Publications	
1	Pathare, PB* ; Al-Dairi, M. (2021) Bruise damage and quality changes in impact-bruised, stored tomatoes, Horticulturae, 7(5), 113. (Scopus – Q1)
2	Pathare, PB* ; Al-Dairi, M. (2021) Bruise susceptibility and impact on quality parameters of pears during storage, Frontiers in Sustainable Food Systems, 5, 658132 (Scopus – Q1)
3	Al-Dairi, M., Pathare, PB* , Al-Yahyai, R., (2021). Effect of postharvest transport and storage on color and firmness quality of tomato. Horticulturae, 7(7), 163 (Scopus – Q1)
4	Al-Dairi M., Pathare PB* , Al-Yahyai R. (2021) Quality chemical and nutritional changes of tomato during Postharvest transportation and storage, Journal of the Saudi Society of Agricultural Sciences, 20 (6), 401 – 408 (Scopus – Q1)
5	Al-Dairi, M., Pathare, PB* , Al-Yahyai, R. (2021). Quality changes kinetic of tomato during postharvest transportation and storage. Journal of Food Process Engineering, 44 (10) e13808 (Scopus – Q2)
6	Al-Dairi M., Pathare PB* (2021) Kinetics of color and textural changes of tomato during storage, Agricultural Engineering International: CIGR , 23 (1), 183-193 (Scopus – Q3)
7	Al-Dairi M., Pathare PB* , Al-Mahdouri A. (2021) Bruise damage susceptibility and fruit quality assessment of pear. The Open Agriculture Journal, 15(1), 82–90 (Scopus – Q4)
8	Al-Dairi M., Pathare PB* , Al-Mahdouri A. (2021) Effect of storage conditions on postharvest quality of tomatoes: A case study at market level, Journal of Agricultural and Marine Sciences , 26 (1), 13-20
9	Lamidi R, Long L, Wang Y, Pathare PB , Roskilly AP (2019) Techno-economic analysis of a biogas driven poly-generation system for postharvest loss reduction in a Sub-Saharan African rural community, Energy Conversion & Management, 196, 591-604 (Scopus – Q1)

10	Purdy A, Pathare PB* , Wang Y, Roskilly AP, Huang Y (2018). Towards sustainable farming: Feasibility study into energy recovery from bio-wastes on a small-scale dairy farm, Journal of Cleaner Production, 174, 899-904 (Scopus – Q1)
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*Corresponding author

Refereed Conference Papers/ Proceedings/ Books and Chapters in Books	
1	Jagtap, S, Duong, L, Trollman, H, Bader F, Garcia-Garcia, G, Skouteris, G, Li, J, Pathare, P , Martindale, W, Swainson, M, Rahimifard, S (2021) IoT technologies in the food supply chain. In: Food Technology Disruptions. Elsevier. ISBN 9780128214701
2	Al-Dairi M., Pathare PB* , Al-Mahdouri A. (2020) Impact of vibration on the quality of tomato produced by simulated transport. The 2nd International Conference on Sustainable Agriculture for Rural Development (2nd ICSARD), Puworkerto, Indonesia, 20 October, 2020.
3	Pathare, PB* ; Jagtap S, Roskilly, AP. (2019). Energy Efficiency in Meat Processing. In Gaspar PD, da Silva PD ed Novel Technologies and Systems for Food Preservation. IGI Global, pp. 78-107 doi: 10.4018/978-1-5225-7894-9.ch004
4	Pathare PB* ; Mohapatra D. (2017) Bioactive Compounds in Broccoli: Extraction and Processing. In: Kadam, DM; Sharma, M; Kaur, D, ed. Vegetables Processing and Bioactive Compounds. New Delhi: Studium Press, pp.425-455.

Conference Abstracts /Poster/Chapters	
1	Al-Dairi M, Pathare PB (2021) Influence of Bruising Damage and Storage Temperature on Banana Respiration and Ethylene Production Rate, International Conference on Sustainable Approaches in Food Engineering and Technology (SAFETY-2021), Tezpur University, India, 24-25 June, 2021
2	Pathare PB Al-Dairi M (2020) Effect of Bruising and Storage Temperature on the Quality of Tomato, 3rd Food Innovation and Engineering (FOODIE) Conference - American Institute of Chemical Engineers, 4-6 November, 2020
3	Al-Dairi M., Pathare PB , Al-Yahyai R. (2020) Kinetics of quality changes in tomato during transportation and storage. 49th Annual Food Science & Technology Conference, Dublin, Ireland, 15 December, 2020.
4	Al-Shikaili Y, Al-Kindi FS., Pathare P , Al-Jahwari FK, Al-Azri, NA (2020) Modeling and development of a solar powered dates dryer. CONSOLFOOD 2020 – International Conference on Advances in Solar Thermal Food Processing, Faro-Portugal, 22-24 January, 2020
5	Pathare PB (2019) Scope of Entrepreneurship for Agricultural Graduates. NAHEP- First International Conference on 'Entrepreneurship in Agriculture and Renewable Energy Sector' at Dr. PDKV, Akola (India), 15-16 March, 2019. (Keynote Speaker)

Refereed Encyclopedia Chapters/Entries	
1	Pathare, PB* , Opara, U.L. (2018) Structural design of horticultural packaging: Reference Module in Food Science, Elsevier doi: 10.1016/B978-0-08-100596-5.22486-4

Research projects						
#	Role	Year/ Completion	Project title	Fund by	Fund value	
					OMR	USD
1	PI	2018	Assessment of postharvest losses in fruits & vegetable market chain in Oman	SQU	700	1820
2	Mentor	2020-21	Postharvest losses in tomato during transportation and storage	TRC	2999	7797
3	PI	2019- Ongoing	Characterization of the postharvest losses of fresh vegetable during transportation in Oman	SQU	5100	13260

4	Co-PI	2020-Ongoing	Development and testing of low-cost indirect solar dryer for locally available curry leaves: A case study on dissemination and commercialization of technology	SQU	7900	20540
5	Member	2021-Ongoing	Optimization of greenhouse cut flower production in Oman	SQU	6400	16640
				TOTAL	23099	60057

Collaborations and Consultancies		
Collaborators	Institute/University/Organization	Country
1- Prof. U.L. Opara	Stellenbosch University	South Africa
2- Dr. Pramod Mahajan	Leibniz Institute for Agricultural Engineering & Bioeconomy (ATB)	Germany
3- Prof. Tony Roskilly	Durham University	UK
4- Dr. Sandeep Jagtap	Cranfield University	UK
5- Dr. Debabandya Mohapatra	Central Institute of Agricultural Engineering	India