

Curriculum Vitae

Dr. Talal Al-Shukaili – Biological & Agricultural Engineer

Assistant Professor of Agricultural Engineering
Department of Soils, Water and Agricultural Engineering
College of Agricultural and Marine Sciences
Sultan Qaboos University, PO Box 34, Al-Khod 123, Oman
Tel: 2414 1252; **GSM:** +968 91392160; Email: talals@squ.edu.om



1. PERSONAL DETAILS

Full name	Dr. Talal Yasir Sulaiyam Al-Shukaili
Present position	Assistant Professor of Agricultural Engineering & Assistant Dean for Undergraduate Studies; Sultan Qaboos University (SQU)
Address	College of Agricultural and Marine Sciences, Sultan Qaboos University, Al-Khoud 123, PO Box 34, Sultanate of Oman
Date of birth	20/12/1979
Nationality	Omani
Marital status	Married
Date of appointment	2002
Degrees awarded (years)	Ph.D. in Biological & Agricultural Engineering, Texas A&M University, USA (2010 - 2015)
	MSc. in Bioresource & Agricultural Engineering, University of Saskatchewan, Canada (2004 -2007)
	BSc. in Bioresource & Agricultural Engineering, Sultan Qaboos University, Oman (1997 - 2002)
Work experience (Position and Dates)	Assistant Professor (SQU) , 2015 – Present & Assistant Dean for Undergraduate Studies (SQU) , Summer 2019 - Present
	Lecturer (SQU) , 2007 – 2014. [2007 – 2014; Ph.D. Study leave]
	Demonstrator (SQU) , 2002 – 2003. [2004 – 2007; M.Sc. Study leave]
Research Interests and Professional Expertise	<ul style="list-style-type: none"> Instrumentation and automation related; automation of agricultural and food processes, instrumented greenhouses, food storages and field operations. Electronics for agriculture-related; circuit design and fabrication. Optoelectronics. Agric. Machinery development and performance evaluations. Precision Agriculture related; land use suitability, precision irrigation, automation.
Websites ORCID G.Scholar ResearchGate WoS/Publons Scopus Detailed CV	https://orcid.org/0000-0002-3037-6901 https://scholar.google.com/citations?user=VGtdH1EAAAAJ&hl=en&authuser=1 https://www.researchgate.net/profile/Talal-Al-Shukaili https://www.squ.edu.om/Portals/10/SWAE%20Faculties/CV-Talal%20Al-Shukaili-August%202020.pdf?ver=2020-08-17-222424-793

2. Awards, Honors, Recognition and Achievements

#	Year	Award, achievement, recognition	Source
1	2014	Won a recognition award in the “2014 Educational Award” organized by Edmund Optics Inc. for the innovation in optics.	Edmund Optics Inc, USA.
2	2012	Nominated and became a member of the Alpha Epsilon honor society for significant scholastic achievement in graduate studies in biological & agricultural engineering.	Texas A&M University, USA
3	2002	Graduated as the best student (distinction) with BSc degree in Bioresource and Agricultural Engineering from the College of Agricultural & Marine Sciences.	SQU, Oman
4	2001	Placed second and got the second prize in the area of the scientific invention during the cultural and scientific week for the year 2000/2001 at SQU.	SQU, Oman
5	1998 & 1999	Placed in Dean’s Honor List for fall 1998, spring 1998, and 1999 semesters.	SQU, Oman

3. Teaching

Teaching courses	
Undergraduate courses	Postgraduate courses
Fundamentals of Agricultural Machinery (SWAE 2302)	
Seminar & Presentation Skills (CAMS3000)	
Instrumentation & Control Systems (SWAE3308)	
Power Units (SWAE3201)	
Agroclimatology (SWAE3305)	
Computer Applications I (CAMS2001)	

4. Scholarly Activities

Selected Refereed Journal Publications	
1	Al-Ismaili, A. M., Fadel, M. A., Jayasuriya, H., Jeewantha, L. J., Al Mahdouri, A., & Al-Shukeili, T. (2021). Potential reduction in water consumption of greenhouse evaporative coolers in arid areas via earth-tube heat exchangers. <i>Journal of Arid Land</i> , 13(4), 388-396.
2	Al-Shukaili, T. Y. (2019). Development of a Two Waveband Infrared Optical Sensor for the Measurement of Soil Moisture Content. <i>IJITET</i> , 14(1), 90–97.
3	Jayasuriya, Hemantha & Al-Ismaili, Abdulrahim & Al-Shukaili, Talal. (2017). Farming Systems in Oman and Mechanization Potentials. <i>Ama, Agricultural Mechanization in Asia, Africa & Latin America</i> . 48. 66-74.
4	Linus U. Opara, Seif S. Al-Adawi and Talal Y. Al-Shukeili. 2004. Students’ perceptions and attitudes towards Agricultural Engineering education in the Sultanate of Oman. Part 1: Academic program selection. <i>World Transactions on Engineering and Technology Education</i> Vol.3, No.1, 2004, pp.143-146.

5	Linus U. Opara, Seif S. Al-Adawi and Talal Y. Al-Shukeili . 2004. Students' perceptions and attitudes towards Agricultural Engineering education in the Sultanate of Oman. Part 2: Curriculum content and career preferences. World Transactions on Engineering and Technology Education Vol.3, No.1, 2004, pp.143-146.

*Corresponding author

	Refereed Conference Papers/ Proceedings/ Books and Chapters in Books

	Conference Abstracts /Poster/Chapters
1	Talal Y. Al-Shukaili , Fatma S. Al-Kindi, Pankaj P. Pathare, Farooq K. Al-Jahwari & Nasser A. Al-Azri. (2020). Modeling and development of solar powered dates dryer. Abstract for the International Conference on Advances in Solar Thermal Food Processing, January 22-24, Faro, Portugal. Conference abstract.
2	Talal Al-Shukaili , Alex Thomasson, Yufeng Ge. (2012). FTIR transmission spectroscopy for measurement of algae neutral lipids. Abstract for the ASABE annual international. July 29 – Aug 1; Dallas, Texas, United states. Conference abstract.

	Refereed Encyclopedia Chapters/Entries

Research projects - Selected						
#	Role	Year/ Completion	Project title	Fund by	Fund value	
					OMR	USD
1	Co-PI	In Progress	IOT Based Smart Greenhouse	Internal Grant, SQU, Oman	6,200	16,105
2	PI	Completed	Development and Testing of a solar powered small scale dates dryer	SQU Dean Seed Fund	500	1,299
3	PI	Completed	Development of an Optical Infrared Field-based Sensor for Measurement of Plant Leaf Water Content	Internal Grant, SQU, Oman	6,200	16,105
4	PI	In Progress	Study on the reality of agricultural mechanization in	Deanship of Research, SQU	2,900	7,533

			Al-Batinah Governorate of Oman: challenges and potentials			
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Collaborations and Consultancies

Collaborators	Institute/University/Organization	Country
1- Prof. Alex Thomasson	Mississippi State University	USA
2- Dr. Yufeng Ge	University of Nebraska-Lincoln	USA