

Muhammad Tuseef Asghar

(Agricultural and Food Engineer)

MSc. (Hons.)



Current Activity	PhD student at Department of Process and Food Engineering, Universiti Putra Malaysia. (UPM)
Personal information	
First name(s) / Surname(s)	Muhammad Tuseef / Asghar
Address	Chak # 195 R-B Faisalabad
Passport No.	BC1829654
Validity	29-10-2024
Nationality	Pakistani
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E-mail(s)	mtuseef195@gmail.com (personal) mtuseef@uaf.edu.pk (official)
Nationality	Pakistani
Date of birth	13 December 1986
Gender	Male
Distinctions	<ul style="list-style-type: none">➤ University Merit Scholarship Holder, MSc (Hons) Agri. Engineering➤ Al-Ghazi Merit Scholarship Holder, MSc (Hons) Agri. Engineering➤ University Merit Scholarship Holder Throughout the Degree➤ 1st position holder in Expo held in the department of FMP, UAF for designing and manufacturing HAND CRANKING RICE TRANSPLANTER, (2009)➤ President Tutorial Group AET-11 during the session of 2005-2006
Desired employment / Occupational field	Agricultural Engineer/Farm Machinery Engineer/Irrigation Engineer/Farm Manager etc.
Publications	<p>Asghar, M. T., Yusof, Y. A., Mokhtar, M. N., Ya'acob, M. E., Mohd. Ghazali, H., Chang, L. S., & Manaf, Y. N. (2020). Coconut (Cocos nucifera L.) sap as a potential source of sugar: Antioxidant and nutritional properties. <i>Food Science & Nutrition</i>, 8(4), 1777-1787. https://doi.org/10.1002/fsn3.1191</p> <p>Asghar, M. T., Yusof, Y. A., Noriznan, M., Yaacob, M. E., Mohd Ghazali, H., Chang, L. S., & Manaf, Y. N. (2020). Effect of processing method on vitamin profile, antioxidant properties and total phenolic content of coconut (Cocos nucifera L.) sugar syrup. <i>International Journal of Food Science & Technology</i>. 55: 2762-2770. https://doi.org/10.1111/ijfs.14529</p> <p>Asghar, M. T., Yusof, Y. A., Mokhtar, M. N., Yaacob, M. E., Ghazali, H. M., Varith, J., ... & Manaf, Y. N. (2020). Processing of coconut sap into sugar syrup using rotary evaporation, microwave, and open-heat evaporation techniques. <i>Journal of the Science of Food and Agriculture</i>. 100: 4012-4019. https://doi.org/10.1002/jsfa.10446</p> <p>Asghar, M. T., Ghafoor, A., Munir, A., Iqbal, M., & Ahmad, M. (2014). Design</p>

	<p>modification and field testing of groundnut digger. <i>Asian Journal of Science and Technology</i>, 5(7), 389-394. Available Online at http://www.journalajst.com</p> <p>Book Chapter (accepted for invited book chapter) A Review of Nutritional Facts, Production, Availability and Future Aspects of Coconut Palm Sugar, <i>Cocos nucifera</i>: Production, Cultivation and Uses Nova Science Publishers, Inc. (USA)</p>
Work experience	
1. Dates	<p>10 September 2013 to 31 March 2016 (At UAF Sub-Campus Burewala as Regular Faculty member) 22 May 2012 to 9 September 2013 (At UAF Main Campus Faisalabad as Adhoc Faculty member)</p>
Occupation or position held	Lecturer / Workshop in-charge
Main activities and responsibilities	<ul style="list-style-type: none"> ➤ Teaching & Research ➤ Teaching following courses <ol style="list-style-type: none"> 1. Internal combustion engine and tractors 2. Farm mechanization 3. Food processing engineering 4. Process engineering <p>(Additional Duty sine 25 February 2013) Workshop in-charge</p> <ul style="list-style-type: none"> ➤ Administration ➤ Record keeping of lab equipment/materials ➤ Lab staff attendance ➤ Leave records of lab staff ➤ Issuance of Tractors and implements ➤ Repair and maintenance arrangements of tractors and implements ➤ Repair and maintenance of hydraulic control equipment
Name and address of employer	Department of Farm Machinery and Power University of Agriculture, Faisalabad (Pakistan)
Type of business or sector	Education and Training
2. Dates	05 March 2012 - 22 May 2012
Occupation or position held	Principal
Main activities and responsibilities	<ul style="list-style-type: none"> ➤ Administration ➤ Record keeping of lab equipment/materials ➤ Lab staff attendance ➤ Leave records of lab staff ➤ Budget management ➤ Correspondence with head office LHR ➤ Worked in following trades present in VTI <ol style="list-style-type: none"> 1. Computer Applications and Office Professionals 2. Dress designing and boutique 3. Beautician and skin care
Name and address of employer	Punjab Vocational Training Council PVTC Head Office Lahore, (Pakistan)
Type of business or sector	Training and Placement of students in their respective trades
3. Dates	15 June 2011 to 02 December 2011

Occupation or position held	Engineer Agri. Machinery/ In-charge Mint Rice research Centre
Main activities and responsibilities	<ul style="list-style-type: none"> ➤ To decide all field operations with the help of Director, HR ➤ To find out and hire labor at field level ➤ To manage human force working permanently at site ➤ To manage/ Repair machinery present at site and hired machinery ➤ To prepare performance reports of field staff & crop stages ➤ To manage all the inputs required for good production at proper time ➤ To take care of crop health by using different chemicals and required machinery ➤ To manage crop outputs (safe storage and sale)
Name and address of employer	Mint Consulting Group 49- Bridge Colony Lahore Cantt, Lahore (Pakistan)
Type of business or sector	Agri. Business and raising of different crops majorly rice at Ethiopia
4. Dates	27 February 2011 to 14 June 2011
Occupation or position held	Farm Machinery Engineer
Main activities and responsibilities	<ul style="list-style-type: none"> ➤ Administration ➤ Designing of Agri. Machinery ➤ Manufacturing of Agri. Machinery ➤ Repair and maintenance of Agri. Machinery ➤ Following machinery was under consideration <ol style="list-style-type: none"> 1. Wheat threshers 2. Rice threshers 3. Gram thresher 4. Wheat straw choppers 5. Seed drills 6. Cultivators 7. Rotavators 8. Pneumatic drills 9. Maize Sheller 10. Potato planters
Name and address of employer	Super Fine Zarai Industries Samundari Road Faisalabad, (Pakistan)
Type of business or sector	Agri. Machinery manufacturing and sales
5. Dates	26 February 2010 to 25 February, 2011
Occupation or position held	National Internship Program (NIP)
Main activities and responsibilities	<ul style="list-style-type: none"> ➤ Administration Assistant ➤ Data entry ➤ DCO, Office Web Site Updating ➤ Account handling of other internees
Name and address of employer	Office of DCO. Faisalabad, Government of Pakistan
Type of business or sector	Agri. Machinery manufacturing and sales
Education	
1. Dates	01 April 2016 to 31 March 2020 (waiting for final viva)
Title of qualification awarded	PhD Process and Food Engineering – Passed with CGPA 4.00/4.00 & (continue)
Research and Thesis Title	PROCESSING OF COCONUT SAP INTO SYRUP AND GRANULAR SUGAR USING DIFFERENT TECHNIQUES FOR ECONOMICAL PRODUCTION
2. Dates	15 September 2009 - 16 January 2012

Title of qualification awarded	MSc. (HONS) Agricultural Engineering – Passed with CGPA 3.59/4.00 & (75.84%)
Research and Thesis Title	Modification and Testing of AMRI Groundnut Digger/Shaker
Research achievements	<ul style="list-style-type: none"> ➤ AMRI groundnut digger/shaker was improved reasonably after modification. ➤ AMRI groundnut digger/ shaker became more fuel-efficient resulting in energy saving. ➤ Digging efficiency was 89.31% at 75% maturity level ➤ Field efficiency was 89.31% at 1.85km/hr ➤ Recoverable loss was 5.14 % at 1.85km/hr and ➤ Irrecoverable loss was 5.5 5 at 1.85km/hr.
Principal subjects / occupational skills covered	Farm machinery and Environment, Grain Preservation and Processing, Advanced Power and Machinery, Hydraulic Control systems, Theory of Models-II, Soil Physics, High Level Programing-I, Operations Research, Experimental Statistics
Name and type of organization providing education and training	University of Agriculture (Agriculture) Faisalabad (Pakistan)
Level in national or international classification	2 nd
3. Dates	15 September 2005 - 11 July 2009
Title of qualification awarded	B.Sc. Agricultural Engineering – Passed with CGPA 3.49/4.00 & (74.3%)
Principal subjects / occupational skills covered	<p>Farm Machinery and Power: Machine Design, Theory of Design and Structure, Energy resource and utilization, I.C Engine & Tractor, Boiler Engineering & Power Plants, Thermodynamics, Instrumentation & Mechatronics, Farm Machinery, Design of Agricultural Machinery</p> <p>Irrigation and Drainage: Engineering mechanics & dynamics, Irrigation Engineering, Drainage Engineering, Open Channel Hydraulics, Water management, Soil and Water Conservation Engineering, Pumps and Tube-wells, GIS Application in Water Resources Engineering, Soil mechanics, Fundamental of Fluid Mechanics, Water Quality Engineering, Surface & Ground Water Hydrology.</p> <p>Structure and Environmental Engineering: Surveying & Levelling, Theory of Design and Structure, Mechanics of engineering materials, Environmental Engineering, Industrial Pollution and its control, Bio Solid Management, Farm Structure</p>
Name and type of organization providing education and training	University of Agriculture (Agriculture) Faisalabad (Pakistan)
Level in national or international classification	2 nd
4. Dates	01 September 2003- 20 August, 2005
Title of qualification awarded	Higher Secondary School Certificate – Passed with Marks 802/1100 & (72.91%)
Principal subjects / occupational skills covered	Pre-Engineering Physics, chemistry, and Mathematics
Name and type of organization providing education and training	Govt. Islamia College, Faisalabad B.I.S.E Faisalabad.
5. Dates	01 April 2000 – 15 June, 2002
Title of qualification awarded	Secondary School Certificate – Passed with Marks 657/850 & (77.29%)
Principal subjects / occupational skills covered	Science Physics, chemistry and Mathematics
Name and type of organization providing education and training	Govt. High School Chak # 195 R-B, Faisalabad B.I.S.E Faisalabad.
Trainings and Technical Courses	
1. Dates	01 February 2007 - 30 April 2007

Title of qualification awarded	Certificate of “Diesel Engine Mechanic”
Principal subjects / occupational skills covered	<ul style="list-style-type: none"> ➤ Introduction of Diesel engine ➤ Dismantling of diesel engine ➤ Detailed study of different engine parts (functions and stresses etc.) ➤ Assembling of diesel engine ➤ Repairing and maintenance of engine
Name and type of organisation providing training	Punjab Board of Technical Education (TSTP) Lahore,
2. Dates	01 July 2007 – 30 September, 2007
Title of qualification awarded	Certificate of “Domestic Electrician”
Principal subjects / occupational skills covered	<ul style="list-style-type: none"> ➤ Introduction to domestic electric circuits/appliances ➤ Designing of circuits ➤ Repair and maintenance of different electric appliances ➤ Wiring
Name and type of organisation providing training	Punjab Board of Technical Education (TSTP) Lahore,
3. Date	29 November 2010 - 26 December 2010
Title of qualification awarded	Certificate of “Remote Sensing and Digital Image Processing”
Principal subjects / occupational skills covered	<ul style="list-style-type: none"> ➤ Introduction to remote sensing ➤ Introduction to digital imaging ➤ Introduction to image processing ➤ Different methods of image processing using different software
Name and type of organisation providing training	CSIRO, Australia. Directorate of Research UAF, Pakistan
4. Dates	10 December 2012 – 15 December, 2012
Title of qualification awarded	GLOBAL G.A.P.
Principal subjects / occupational skills covered	<ul style="list-style-type: none"> ➤ Introduction ➤ Normative documents ➤ Certification options ➤ Registration process ➤ Assessment process ➤ Certification process ➤ Acronyms & reference documents ➤ GLOBAL G.A.P. Rules ➤ C.P.C.C. (All farm base) ➤ HASCCP ➤ QMS
Name and type of organisation providing training	Bureau Veritas Certification, France Directorate of Research UAF, Pakistan
5. Date	07 January 2013 – 11 January 2013
Title of qualification awarded	IFS Standards
Principal subjects / occupational skills covered	<ul style="list-style-type: none"> ➤ Introduction and General Information ➤ IFS Goals ➤ IFS Management ➤ ISF Rules ➤ ISF Food ➤ ISF HPC ➤ IFS Cash and Carry ➤ IFS Logistics ➤ ISF Broker
Name and type of organisation providing training	Bureau Veritas Certification, France

training	Directorate of Research UAF, Pakistan																																																									
Personal skills and competences																																																										
Other language(s)																																																										
Self-assessment																																																										
European level (*)																																																										
Urdu																																																										
English																																																										
Punjabi																																																										
<table border="1"> <thead> <tr> <th colspan="2">Understanding</th> <th colspan="4">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>C2</td> <td>Proficient user</td> <td>C2</td> <td>Proficient user</td> <td>C2</td> <td>Proficient user</td> <td>C2</td> <td>Proficient user</td> <td>C2</td> <td>Proficient user</td> </tr> <tr> <td>B2</td> <td>Independent user</td> <td>C1</td> <td>Proficient user</td> <td>B2</td> <td>Independent user</td> <td>B2</td> <td>Independent user</td> <td>C1</td> <td>Proficient user</td> </tr> <tr> <td>C1</td> <td>Proficient user</td> <td>A2</td> <td>Basic User</td> <td>B2</td> <td>Independent user</td> <td>B2</td> <td>Independent user</td> <td>A1</td> <td>Basic User</td> </tr> </tbody> </table>											Understanding		Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production				C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	B2	Independent user	C1	Proficient user	B2	Independent user	B2	Independent user	C1	Proficient user	C1	Proficient user	A2	Basic User	B2	Independent user	B2	Independent user	A1	Basic User
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(*) <u>Common European Framework of Reference (CEF) level</u>																																																										
Internships, Technical skills and competences																																																										
<ul style="list-style-type: none"> ➤ Taj Zaree Industries, Faisalabad Designing & manufacturing of SELF-PROPELLED WHEAT REAPER as final semester project during (Feb-15 to May-15, 2009) ➤ Agri Extension Office, Faisalabad For wheat sowing campaign for period of one month (October 2008) ➤ AMRI, Multan Introduction different Agri. Machinery, Agri. Industry Visits & different workshop practices during (July-01 to July-15, 2008) ➤ Survey Camp, Islamabad 15 days survey at Islamabad site during (July-27 to August-09, 2006) 																																																										
Computer skills and competences																																																										
<ul style="list-style-type: none"> ➤ Microsoft Office (Word, Excel, Project & Power point, All Office Tools). ➤ Report Writing ➤ Auto Cad ➤ Google Earth ➤ Google Mapper ➤ Microsoft Windows 98, XP, Vista, 7 operating and installations ➤ Computer Software & Hardware Knowledge 																																																										
Membership																																																										
<ul style="list-style-type: none"> ➤ Pakistan Engineering Counsel Registration No. AGRI/2964 ➤ Member, Society of Agricultural Engineering of PAKISTAN ➤ Member, Society of Agricultural Engineering UAF 																																																										
References																																																										
Will be provided on demand																																																										