

CURRICULUM VITAE

***Engr. Sidrah Ashfaq d/o Ashfaq Asmat [Gold
Medals in B.Sc. Agri. Engineering] [S.M.
Elahi Gold Medal in B.Sc. Agri. Engg.]***

Personal Details:

Name	Sidrah Ashfaq
Husband's Name	Qasim Yaqub
Date of Birth	10 th April, 1984
Nationality	Pakistani
N.I.C No.	38405-6163910-6
Languages Known	English (Good), Urdu (Excellent), Punjabi (Good)



Contact and Mailing Addresses

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Chak No. 258/RB, Pharala Dijkot and District,
Faisalabad, Pakistan.

Teaching and Research Experience:

Working as an Assistant professor in the Department of Farm Machinery and Power, Faculty of Agricultural Engineering & Technology from 2024 to date. Worked as a Lecturer (on Regular basis) in the Department of Farm Machinery and Power, Faculty of Agricultural Engineering & Technology, University of Agriculture, Faisalabad from 16-07-2007 to 2024.

Academic Qualifications:

Ph.D. (2015) Agri.Engg.	CGPA 3.90/4.0	(Univ. of Agriculture Faisalabad)
	Excellent Thesis Grade	
M.Sc. Agri.Engg. (2008)	CGPA 3.67/4.0	(Univ. of Agriculture Faisalabad)
	Excellent Thesis Grade	
B.Sc. Agri.Engg. (2006)	Gold Medal,	(Univ. of Agriculture Faisalabad)
	S. M. Elahi Gold Medal	
F.Sc (2002)	78% First division	Govt Girls High School,Sargodha
	BISE, SDH Scholarship	
Matriculation (2000)	80% First division	Govt Girls High School,Sargodha
	BISE, SDH Scholarship	

Awards and Honors

1. First division throughout the academic career.
2. Earned merit scholarship in F. Sc. Pre-Engineering awarded by BISE, Sargodha.
3. Earned merit scholarship in B.Sc. Agri. Engineering awarded by UAF.
4. Earned “**GOLD MEDAL**” in B.Sc. Agricultural Engineering obtaining 3.82/4.00 CGPA.
5. Earned “**S.M.ILLAHI GOLD MEDAL**” in B.Sc. Agricultural Engineering Obtaining more than 80% percentage.
6. Earned merit scholarship in M.Sc. (Hons.) Agricultural Engineering awarded by University of Agriculture, Faisalabad.
7. **Australia Pakistan Agriculture Scholarships Short Course Award 2014.**

Research work

Ph.D Thesis Title

Design, development and modeling of solar assisted paddy dryer for on farm processing,
Department of Farm Machinery and Power, Faculty of Agricultural Engineering & Technology,
University of Agriculture, Faisalabad, Pakistan.

M.Sc (Hons.)/M.Phil Thesis:

Performance evaluation of sugarcane stripper. M.Sc. (Hons.) Thesis, Department of Farm Machinery and Power, Faculty of Agricultural Engineering & Technology, University of Agriculture, Faisalabad, Pakistan.

B.Sc (Hons.)/Projects Title:

- **Precision Agriculture.**
- **Cost Analysis of Agricultural Machinery**

Conducted Teaching and Research in the Following Fields

1. **Post-Harvest Technologies**
2. **Farm Machinery**
3. **Agricultural Processes Engineering**

M.Sc. THESIS PRODUCED (SUPERVISER/CO-SUPERVISED)

Sr No:	Thesis Title
1	2015-Design, development and optimization of baffles and corrugated type solar air collectors for drying application. (Muhammad Ali, 2009-ag-3109)
2	2015-Comparative study of different sowing methods for wheat production. (Noor Fatima,2008-ag-2683)
3	2013-Extraction of essential oils from citrus peels (citrus sinensis (L) using solar Distillation system. (By Engr. Shazia Hanif).
4	2013- Ergonomics and occupation health in agricultural industry of Punjab, Pakistan (By Engr.Rao.Imran).
5	2013- Design, fabrication and testing evaluation of slurry injector. (By Engr.Iftkhar Ul Hussan).
6	2013-Design Fabrication and Performance evaluation of updraft rice husk Gasifier Stove. (By Engr. Riaz).
7	2013 -Performance evaluation of a biomass boiler on the basis of heat loss method and Total heat loss values of steam. (By Engr. Jahan Zeb Alvi,)
8	2013-Design and Development of Biogas plant for tube well operation at UAF. (By Engr. Hafiz Qahir)

9	2012 – Performance evaluation of Wheat Straw Chopper developed (By Engr. Muhammad Usman 2006-ag-2219)
10	2012-Performance evaluation of boiler at Steam Power Station FESCO. (By Engr. M.Mohsin)
11	2012-Evaluation of Tunnel Biogas Plant Designed on constant volume. (By Engr. Tajammal Hussain)
12	2011-Design Fabrication and Economics Feasibility of Self Propelled Multicrop Seed Drill for adoption of small farmers. (By Engr. Tahir Iqbal)

Administrative Experience:

1. Worked as member for “International Conference on Renewable Energy Technologies in Pakistan” organized by University of Agriculture, Faisalabad Pakistan & University of Kassel, Germany, held on October 1-3, 2013 at University of Agriculture, Faisalabad.
2. Worked as a member for “International Seminars on the Event of Golden Jubilee Year Farm Machinery week Celebrations (March 21-26, 2011).
3. Worked as Assistant Superintendent in Aysha Hall, University of Agriculture, and Faisalabad from 09-06-2008 to 25-11-2009.
4. Worked as Secretary, Board of Studies of the Department of Farm Machinery, Faculty of Agricultural Engineering & Technology, University of Agriculture, and Faisalabad from 2012 to Date.
5. Worked as a Member of Examination Conducting Committee in the Faculty of Agricultural Engineering & Technology, University of Agriculture, and Faisalabad in spring semester 2013-2014.
6. Worked as Secretary, Society of Agricultural Engineers (SAE), Faculty of Agricultural Engineering & Technology, University of Agriculture, Faisalabad from 2011-2012.

International and National Trainings, workshops/ Internships:

1. 43-days training course on “Integrated Water Resource Management” organized by **University of Western Australia In Perth**. 20th Feb to 10th April, 2014.
2. Two day workshop on “Remote Sensing and Digital Image Processing for Precision Agriculture” organized by **University of Agriculture, Faisalabad Pakistan & USAID**, held on Aug 26-27, 2015 at University of Agriculture, Faisalabad. (One CPD credit point).
3. Certificate of Honour for participating in “International Conference on Renewable Energy Technologies in Pakistan” organized by **University of Agriculture, Faisalabad Pakistan & University of Kassel, Germany**, held on December 16-18, 2014 at University of Agriculture, Faisalabad Pakistan
4. Attending Grant Writing Workshop in Pakistan” organized by **University of Agriculture, Faisalabad Pakistan & UC DAVIS**, held on June 1, 2015, Organized by U.S Pakistan centers for advanced studies in Agriculture/Food Security.
5. Higher Education Commission (HEC) Training Course on “**professional Competency Enhancement Program for Teachers.**” Held at University of Agriculture, Faisalabad, Pakistan from July 15 to August 11, 2009.
6. 02-months Linguistics Course on Spoken English from Division of Education & Extension, University of Agriculture, Faisalabad, Pakistan from 22-08-2005 to 22-10-2005.
7. 15-days survey camp at Islamabad site for performing “**Profile and Differential Leveling**” from 01-12-2003 to 15-12-2003.
8. 15-days training course on Watercourse Improvement and Construction organized by Water Management Training Institute (WMTI), Lahore in the year of 2006.
9. Computer diploma in “**AutoCAD, Adobe Photoshop, Macromedia Flash**” from NICE Institute, Faisalabad during the session 2004-2005.

Certificate of Honors

1. Certificate of Honour for participating in “Short Course Award in Integrated Water Resource Management in Australia” organized by **University of Western Australia Perth** held on 20th Feb to 10th April, 2014.
2. Certificate of Honour for participating in workshop “Remote Sensing and Digital Image Processing for Precision Agriculture” organized by **University of Agriculture, Faisalabad Pakistan & USAID**, held on Aug 26-27, 2015 at University of Agriculture, Faisalabad. (One CPD credit point).

3. Certificate of Honour for participating in “International Conference on Renewable Energy Technologies in Pakistan” organized by **University of Agriculture, Faisalabad Pakistan & UC DAVIS**, held on June 1, 2015, Organized by U.S Pakistan centers for advanced studies in Agriculture/Food Security.
4. Certificate of Honour for participating in “Grant Writing Workshop in Pakistan” organized by **University of Agriculture, Faisalabad Pakistan & University of Kassel, Germany**, held on October 1-3, 2013 at University of Agriculture, Faisalabad.
5. Certificate of Honour for participating in “International Conference on Renewable Energy Technologies in Pakistan” organized by **University of Agriculture, Faisalabad Pakistan & University of Kassel, Germany**, held on October 1-3, 2013 at University of Agriculture, Faisalabad.
6. Certificate of Appreciation for Outstanding Contribution in “AgMIP-Pakistan Kickoff Workshop & International Seminar on Climate Change in Pakistan” organized by **University of Agriculture, Faisalabad Pakistan & Washington State University-USA**, held on June 4-6, 2013 at University of Agriculture, Faisalabad.
7. Certificate of Honour awarded by Hall Senate & Office of the Hall Warden, University of Agriculture, and Faisalabad for working as Assistant Superintendent Aysha Hall on “Pakistan Day Celebrations” held on March 23, 2009.
8. Certificate of Honour awarded by Society of Agricultural Engineers (SAE), University of Agriculture, Faisalabad, for working as a Secretary (SAE) for Session 2008.
9. Certificate of honour awarded by Society of Agricultural Engineers (SAE), University of Agriculture, Faisalabad, for Excellent Management in “**International Conference on Agri. Engineering (Issues & Strategies) 16-18 Feb , 2006**”.
10. Certificate of Honour awarded by Society of Agricultural Engineers (SAE), University of Agriculture, Faisalabad, for the “**student of the year for the university academic session 2006**”.
11. Certificate awarded by Office of the Senior Tutor, University of Agriculture, Faisalabad for participated in the Quiz Competitions in session 2004-2005.
12. Merit Certificate awarded by Society of Agricultural Engineers (SAE), University of Agriculture, Faisalabad, **academic session of 2003-2004**.
13. Certificate of Honour awarded by Department of Farm Machinery & Power/Society of Agricultural Engineers, University of Agriculture, Faisalabad, for outstanding contributions in Golden Jubilee Year Farm Machinery Week

Membership of Societies

1. Registered member of Pakistan Engineering Council, Islamabad.
2. Pakistan Engineering Council (PEC), Islamabad
3. Board of Studies of the Department of Farm Machinery, UAF

Publications

1. **Sidrah Ashfaq***, A. Ghafoor¹, M. Ahmad and Q. Yaqub (2015). Performance evaluation of a sugarcane stripper for trash recovery. Pakistan Journal of Agricultural Sciences., Vol. 52(2), 491-496; 2015 ISSN (Print) 0552-9034, ISSN (Online) 2076-0906 <http://www.pakjas.com.pk>
2. **Sidrah Ashfaq^{1*}**, Manzoor Ahmad¹, Anjum Munir², Abdul Ghafoor¹ (2015). Improvement of air homogeneity in solar assisted paddy dryer with central air distribution model. International journal of food engineering (IJFE). Manuscript ID DGIJFE.2015.0244 (submitted).
3. **SIDRAH ASHFAQ***, MANZOOR AHMAD AND ANJUM MUNIR (2015). Design, development and modeling of a solar assisted paddy dryer for on farm processing. Quarterly Mehran University Research Journal of Engineering Technology, Volume 35-Number 2-April, 2016 (online). <http://www.mrjet.com.pk>.
4. Munir, A., J. Z. Alvi, **S. Ashfaq**, A. Ghafoor. **2014**. Performance evaluation of a biomass boiler on the basis of heat loss method and total heat values of steam. Pakistan Journal of Agricultural Sciences, 51(1):209-215. **ISSN 2076-0906** (online).
5. **Sidrah Ashfaq.**, M. Ahmad, A. Munir, A. Ghafoor. 2014. Optimization of air distribution in solar assisted paddy dryer using CFD simulation modeling technique. In Abstract Book of “International Conference on Renewable Energy Technologies in Pakistan” held at University of Agriculture, Faisalabad, Pakistan, December 16-18, 2014, **ISBN 978-969-9035-01-04**
6. Hanif, S., A. Munir, **S. Ashfaq**. 2014. Environment and economic aspect of solar distillation system. In Abstract Book of “International Conference on Renewable Energy Technologies in Pakistan” held at University of Agriculture, Faisalabad, Pakistan, December 16-18, 2014, **ISBN 978-969-9035-01-04**.
7. Muhammad Ali, Abdul Ghafoor, **Sidrah Ashfaq**, Azlan Zahid, Umar Farooq, Mohsin Noor. 2015. Development and testing of baffles and corrugated type solar air collector. In Abstract Book of “International Workshop on Renewable Energy Technologies for Community Development in Pakistan” held at University of Agriculture, Faisalabad, Pakistan, November 04-06, 2015. **ISBN 978-969-9035-11-1**.

