

# Engr. Zaheer Ahmed Khan



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**Mailing Address (Home):** Latifabad, Hyderabad, Sindh, Pakistan



## Professional & Academic Qualifications

DEGREE/CERTIFICATE	INSTITUTION / BOARD	YEAR	DIVISION
<b><u>PROFESSIONAL QUALIFICATIONS</u></b>			
Ph.D. Scholar (Farm Structures)	Sindh Agriculture University Tandojam	ongoing	
Master of Engineering	Sindh Agriculture University Tandojam	2016	1 <sup>st</sup>
Bachelor of Engineering (Agriculture)	Sindh Agriculture University Tandojam	2010	1 <sup>st</sup>
<b><u>ACADEMIC QUALIFICATIONS</u></b>			
F.Sc Pre-Engineering	Saifee College Of Computer Science Hyderabad	2005	1 <sup>st</sup>
Matriculation	Mono Public English High School Hyderabad	2003	1 <sup>st</sup>

## Working Experience

- ✓ **Lecturer, Department of Farm Structures, Faculty of Agricultural Engineering, Sindh Agriculture University, Tandojam Sindh, Pakistan (May 2014 – till date).**

### **Responsibilities**

- Teaching and Research
- Carry out any other duty assigned by the Head of the Department/Dean.

- ✓ **Farm Manager, Jahanzaib Farm House, Nooriabad. The City School Group, Hyderabad-Karachi, Sindh, Pakistan (March 2013 – April 2014).**

### **Responsibilities**

- Sowing of Rhodes Grass under Center Pivot Irrigation System
- Supervise balance land preparation for Rhodes Grass sowing and providing the water availability & installation of Central Pivot System,
- To check out the Rhodes Grass production, cutting, harvesting and loading report from the field supervisor and send the updates to the head office.

- Supervise the Orchard farm & ensure quality production of fruits/vegetables and protection of plants and trees
- Supervise the all staff
- To prepare the working schedule.
- Prepare weekly, monthly progress report in a graphic view for the head office.
- Carry out any other duty assigned by the Team Leader / Director.

✓ **Engineer, The City School, Gulistan-E-Johar Campus, Shalimar Construction Company (Pvt.) Ltd, Karachi, Sindh, Pakistan (January 2012 – Feb 2013).**

**Responsibilities**

- To survey the site & checking the progress of work.
- To make survey & progress report.
- To check the quality of material.
- Preparing & checking of bills.
- To prepare the working schedule.
- Prepare weekly, monthly progress report in a graphic view for the head office.
- Carry out any other duty assigned by the Team Leader / Administration.

✓ **Project Supervisor Sardar Project, Sindh, Pakistan (Al-Dahra Agricultural Company Pakistan (Pvt) Ltd. (November 2010 – September 2011).**

**Responsibilities**

- To survey the site & make site layout plan.
- To make survey report.
- To check out the Rhodes Grass production, cutting, harvesting and loading report from the field supervisor and send the updates to the head office.
- Over all responsibilities of the entire farm machines (Tractors, Mover Machines, Raking Machine, Bailing Machines, Lifter, Loader etc).
- Prepare monthly production and profit graphs by using Operational Research Techniques for the head office.
- Head of all working hand i.e. labour, operators, technical staff, field supervisors etc.
- Carry out any other duty assigned by the Team Leader / Administration.

**Research Publications**

15+ National/International Publications

**Courses Taught**

1. FS-308- Engineering Materials, undergraduate program
2. FS-412- Theory of Structures, undergraduate program
3. FS-603- Farm Structures, undergraduate program
4. FS-608- Post-Harvest Technology, undergraduate program
5. AE-610- Project Report & Seminar, undergraduate program
6. AE-612- Internship, undergraduate program
7. FS-706- Processing of Perishable Crops, Postgraduate program

## RESEARCH SUPERVISOR

S#	Degree	Name of student	Title of Thesis/Research	Year	Status
1.	M.E	Engr. Jazeb Ali	Development of aquaponic system & assessment of its efficiency, performance and economical aspect	2021	Thesis Writeup
2.	M.E	Engr. Abdullah Soomro	Evaluation of various Empirical Relations for the Prediction of drying characteristics of Paddy Rice using Fluidized Bed Dryers	2020	Completed
3.	M.E	Engr. Ainul Ibad Shah	Designing and Fabricating Hydroponic Structure	2020	Completed
4.	M.E	Engr. Rafaqat Ali	Evaluation of physical properties of various wheat varieties grown in Sindh	2020	Completed
5.	M.E	Engr. Abdullah Veesar	Design perspective of existing buffalo sheds and their impact on physical behavior of the animals	2019	Completed
6.	B.E	Group of students	Comparison of predicted and observed data for drying characteristics of wheat using Fluidized bed dryer	2019	Completed
7.	B.E	Group of students	Effect of hot water treatment and storage conditions on quality of Tomato	2019	Completed
8.	B.E	Group of students	Experimental Investigation of Fly Ash block with varying composition ratios and materials	2019	Completed
9.	B.E	Group of students	Comparative study on existing poultry sheds ( <i>Controlled and Conventional</i> ) and their impacts on poultry production	2018	Completed
10.	B.E	Group of students	Design and Fabrication of Indirect Solar Dryer	2018	Completed
11.	B.E	Group of students	Role of Image Processing in Agricultural Process Engineering	2017	Completed
12.	B.E	Group of students	Effect of Different Packaging Materials on Quality of Bitter Gourd.	2017	Completed
13.	B.E	Group of students	Design and Fabrication of Hot Water Treatment Plant	2016	Completed
14.	B.E	Group of Students	Tunnel Farming Technology (Production of Off-Season Vegetable in Walk-in Tunnels)	2016	Completed
15.	B.E	Group of Students	Effect of Hot Water Treatments on Dormancy of Cotton and Forestry Seed	2016	Completed
16.	B. E.	Group of Students	Comparison of Compressive Strength of Stabilized Mud Blocks with Different Additives Materials	2015	Completed
<b>RESEARCH CO-SUPERVISOR</b>					

17.	M.E	Engr Ali Anwar Shah	Effect of deficit irrigation on yield and water productivity of tomato crop under furrow irrigation system	2020	Data Collection
18.	M.E	Engr. Saddam Hussain	Design, Construction and evaluation of indirect solar dryer	2019	Completed
19.	M.E	Engr. Ali Hassan	Experimental study on drying of Red Chili in solar and open sun drying methods	2019	Completed
20.	M.E	Engr. Imran Shah	Evaluation of Growth and Crop Water Productivity of Spinach Cultivated in Gypsum Amended Saline Sodic Soil under Pot Irrigation Method	2019	Completed
21.	M.E	Engr. Aashiq Ali	Utilization of Spent wash and its impact on soil properties and Wheat growth	2019	Completed
22.	M.E	Engr. Taimoor Meo	Assessment of Radiation-based methods for estimating reference evapotranspiration	2019	Completed
23.	M.E	Engr. Taufeeq Ahmed		2018	Completed
24.	B.E	Group of students	Repair and installation of Lysimeter	2018	Completed
25.	B.E	Group of Students	Tunnel Farming Technology (Production of Off-Season Vegetable in Walk-in Tunnels)	2016	Completed

### **Professional Trainings/Courses/Seminars/Workshops:**

<b>Name of Training/ Course</b>	<b>Duration</b>	<b>Institution</b>
Development of Technical Team & Execution of a Project	<b>1 Day</b> 26-Mar-21	<b>ProQuest Education</b> , Higher Education Commission
How to Manage your References using RefWorks	<b>1 Day</b> 1-Dec-20	<b>ProQuest Education</b> , Higher Education Commission
ProQuest's Introduction to Publishing in Academic Journals- Part-1	<b>1 Day</b> 8-Dec-20	<b>ProQuest Education</b> , Higher Education Commission
Discover ProQuest Business Premium Collection	<b>1 Day</b> 17-Nov-20	<b>ProQuest Education</b> , Higher Education Commission
How to Utilizes ProQuest Journals, Dissertations, and Varied Content Types in Teaching and Research	<b>1 Day</b> 19-Oct-20	<b>ProQuest Education</b> , Higher Education Commission

Virtual Training Workshop on "Google Earth Engine"	14-Oct-20 to 16 Dec-20	<b>FAO</b> , Food and Agriculture Organization of United Nations, Pakistan
How to get Amazing results by coaching your staff	<b>1 Day</b> (July 25 <sup>th</sup> , 2020)	<b>PEB</b> , Pakistan Engineer Council
How to Become It - How to Achieve It - Introduction to Executive Presence	<b>1 Day</b> (July 25 <sup>th</sup> , 2020)	<b>PEB</b> , Pakistan Engineer Council
Dispute Avoidance and Claims Management Under (FIDIC)	<b>1 Day</b> (October 10 <sup>th</sup> , 2019)	<b>PEC</b> , Pakistan Engineer Council at Regional office, Karachi
Industrial Consultation Workshop on Capacity Building and Skill Enhancement for Engineers	<b>1 Day</b> (August 26 <sup>th</sup> , 2019)	<b>PEC</b> , Karachi Chamber of Commerce. II Chundrigar Road, Karachi
Installation of the Tile Drainage System	<b>1 Day</b> (August 30 <sup>th</sup> , 2018)	<b>PCRWR</b> , under the project "integrated approach of Salinity and Water Logging Control"
Application of GIS/RS for Agro Ecological Zones (AEZ) Formation	<b>5 Days</b> (July 02-06, 2018)	<b>FAO &amp; SAU</b> , Food & Agriculture Organization of United Nations & Sindh Agriculture University, SAU
Capacity building of Professionals on Banana tissue culture & Micro Irrigation System for Tunnel Farming	<b>1 Day</b> (Nov 26 <sup>th</sup> , 2015)	<b>CAEWRI</b> , Climate change alternate energy and water resource institute, National agricultural research Centre, Islamabad
Global GAP certification & implementation in small farms	<b>5 Days</b> (Dec 15-19, 2014)	<b>NPO</b> , National Productivity organization Ministry of industries & Production Government of Pakistan
AutoCAD 2D & 3D	<b>2 Months</b> (Sep to Oct 2007)	<b>APTECH</b> , APTECH Computer education Hyderabad Centre
Computer Literacy Program	<b>2 Months</b> (1 <sup>st</sup> April 2003 to 31 <sup>st</sup> May 2003)	Saifee College of Computer Science