


# CURRICULUM VITAE

## PERSONAL INFORMATION

Name:	Muhammad Zeeshan Khan	
Father's Name:	Tanveer Khan	
PEC No:	AGRI/05332	
Date of Birth:	5 May, 1996	
Domicile:	Narowal (Punjab)	
CNIC:	34502-8710642-1	
Phone:	+92301-4926873	
Email:	<a href="mailto:zeshaan896@gmail.com">zeshaan896@gmail.com</a>	
Nationality:	Pakistani	
Present Address:	Near Al-Quaid School, Ayaz Park, Barket town stop, Shahdara, Lahore, Pakistan	
Permanent Address:	Village Bhati Afghana, Tehsil Shakargarh, District Narowal, Pakistan	

## EDUCATIONAL INFORMATION

<u>2018</u>	<b>M.Sc. (Hons.) Agricultural Engineering (Silver Medalist)</b>
<u>2020</u>	University of Agriculture, Faisalabad, Punjab, Pakistan. CGPA: 4.0/4.0
<u>2014</u>	<b>B.Sc. Agricultural Engineering</b>
<u>2018</u>	University of Agriculture, Faisalabad, Punjab, Pakistan. CGPA: 3.68/4.0
<u>2012</u>	<b>F. Sc (Pre. Engineering)-2014</b>
<u>2014</u>	Army Public Science College Okara Cantt, Punjab, Pakistan. Marks: 896/1100
<u>2010</u>	<b>Matriculation (Science)-2012</b>
<u>2012</u>	F.G Public School Okara Cantt, Punjab, Pakistan. Marks 838/1050

Use my strong interpersonal and organizational skills, I wish to contribute towards organizational goals through my technical skills, hard work and creativity.

## WORK EXPERIENCE

<b>15<sup>th</sup> May 2024 – Conti...</b>	<b>Assistant Executive Engineer</b> Department of Irrigation and Drainage University of Agriculture, Faisalabad.
<b>4<sup>th</sup> May 2021 – 14<sup>th</sup> Oct 2024</b>	<b>Assistant Manager</b> Service Department Millat Tractors Limited, Lahore.
<b>3<sup>rd</sup> Nov 2020 – 3<sup>rd</sup> May 2021</b>	<b>Trainee Engineer</b> Millat Tractors Limited, Lahore.
<b>1<sup>st</sup> Feb 2019 – 27<sup>th</sup> Nov 2020</b>	<b>Research Fellow</b> HEC-TDF Project “Multitasking machine for precision sowing of row crops”.

**5<sup>th</sup> Oct – 5<sup>th</sup> Nov 2018**

**Field Engineer**

**Project of German Ministry of Education and Research (BMBF)**

“Innovative Impulses Reducing the Water Footprint of the Global Cotton Textile Industry towards the UN-Sustainable Development Goals”.

**15<sup>th</sup> Aug – 10<sup>th</sup> Jan 2018**

**Successfully completing a short-term course Farm irrigation system Designing.**

**HEIS (Drip, Sprinkler, Hand move, lateral move, Rain gun etc.)**

**25<sup>th</sup> May – 7<sup>th</sup> July 2017**

**AGRICULTURAL ENGINEER INTERNEE**

**National Agriculture Research Centre, Islamabad ([www.narc.gov.pk/](http://www.narc.gov.pk/))**

Research on topic of “Analysis of rainwater potential, Evapotranspiration Losses and evaluating the Water use efficiency in Pothwar area.”

And “Evaluation and checking the performance of solar operated Drip Irrigation system.”

**15<sup>th</sup> July – 29<sup>th</sup> July 2017**

**Participant as student**

**Faculty of Agricultural Engineering & Technology, UAF**

Survey camp includes the experience of conducting different surveying and Levelling operations in real field conditions.

## **RESEARCH WORK**

Final Year Project in B.Sc. Agricultural Engineering

**“Sampling, Analysis and Mapping of soil properties of Water Management Research Centre, Faisalabad using ARC GIS Software”.**

M.Sc. Agricultural Engineering

Research titled **“Design and Development of Irrigation Schedule and Sowing Techniques to Enhance Cucumber Yield under Drip Irrigation”.**

## **PROFESSIONAL VISITS**

- Golden Pumps Gujranwala
- Nandipur Hydraulic Research Institute, Gujranwala
- Head Balloki
- Khanki Barrage
- Mangla Dam
- Jhang Drip Irrigation Sites
- CDA Waste Water Treatment Plant, Islamabad

## **DISTINCTIONS**

- University Merit Scholarship throughout Bachelor and Master degree awarded by University of Agriculture, Faisalabad.
- Silver Medal in M.Sc. (Hons.) Agricultural Engineering

## **COMPUTER SKILLS**

**1-Microsoft office**

**WORD**

**EXCEL**

**POWERPOINT**

## 2- Software

### ARC GIS SOFTWARE

ERDAS 2014

AQUACROP MODEL

AUTOCAD 2007

CROPWAT 8.0

### SAS SOFTWARE

MINITAB

GOOGLE EARTH

REALTIME LANDSCAPING 2014

CLIMWAT

## LANGUAGES

### 1. Native Language

#### Urdu

Grade: A

Level: Upper, Fluent

### 2. Foreign Languages

#### English

Grade: B

Level: Intermediate

#### Chinese

No Diploma

Grade: HSK1

## CERTIFICATIONS

### INTERNATIONAL AND NATIONAL WORKSHOPS

1. PEC-CPD International Conference on “**Hydrology and Water Resources (ICHWR-21)**” held on March 25, 2021 at Centre of Excellence in Water Resources Engineering, UET Lahore, Pakistan.
2. Participations in Water Dialogue on “**Irrigation System of Pakistan: Challenges & Opportunities**” held on February 10, 2016 at University of Agriculture, Faisalabad - Pakistan.
3. Workshop on “**Hydrologic Analysis and River Modeling**” held on June 20, 2019 at University of Agriculture, Faisalabad – Pakistan.
4. International Workshop on “**Design and Practical Approach for Instrumentation and Measurements**” held on October 30, 2019 at University of Agriculture, Faisalabad – Pakistan.
5. One-Day International Workshop on “**Hydrological Modeling using SWAT, HEC-HMS and R**” held on November 29, 2019 at University of Agriculture, Faisalabad - Pakistan.
6. International PEC-CPD Workshop on “**Irrigation Scheduling with Handling of AQUA CROP Modelling**” held on February 13, 2020 at University of Agriculture, Faisalabad - Pakistan.
7. International PEC-CPD Workshop on “**HYDROLOGICAL MONITORING TECHNOLOGIES**” held on February 17, 2020 at University of Agriculture, Faisalabad - Pakistan.
8. International PEC-CPD Webinar on “**TRANSBOUNDARY WATER MANAGEMENT: ISSUES AND CONFLICTS**” organized by University of Engineering and Technology, Lahore - Pakistan on December 23, 2020.
9. International PEC-CPD Webinar on “**SOLAR POWER GENERATION**” organized by WAPDA Engineering Academy, Faisalabad - Pakistan on December 31, 2020.
10. CPD Live Webinar on “**Development of Technical Team and Execution of a Project**” organized by Pakistan Engineering Council on March 25, 2021.
11. Successfully completed the Orientation Course of “**Community Action for Disaster Response (CADRE)**” Conducted by Punjab Emergency Service on March 7,8,9, 2018 at University of Agriculture, Faisalabad - Pakistan.
12. Successfully completed “**Disaster Preparedness**” “an online non-credit course authorized by University

of Pittsburgh and offered through COURSERA.

13. Certificate of Participation in Seminar on “**How to Develop Winning Scholarship Application**” held on February 1, 2018 at University of Agriculture, Faisalabad - Pakistan.
14. Certificate of Participation in “**3 Days Workshop on Mock Interviews & Seminar on Career Building and Future Prospect of New Emerging Disciplines of Engineering**” held on 14,15,16 February 2018 at University of Agriculture, Faisalabad - Pakistan.

## PUBLICATIONS

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### Research Paper

1. Zaman M., **Khan M.Z.**, Ishaq M.M., Chauhdary J.N., Rizwan M., Kausar S., Ahmad I (2023) Evaluation of Root Zone Behaviour and Cucumber Yield under different Mulch Materials and Irrigation Schedules under Tunnel Farming, Hindawi Advance in Agriculture. <https://doi.org/10.1155/2023/6435489>
2. Khanam H, Ali S, Zaman M, Shahid A M, Muzammal H, **Khan Z**, Safdar M, Majeed D M (2023) Integrated Water Resource Management Using Water Evaluation and Planning Model: A Case Study of Lower Bari Doab Canal, Pakistan, The 7th International Electronic Conference on Water Sciences sci forum-068979.
3. **Khan, MZ.**, Zaman, M., Chauhdary JN., Umair, M., Ishaq, MM., Kausar, S. (2021), Design and Development of Irrigation Schedule and Sowing Techniques to Enhance Cucumber Yield. In: International Conference on Hydrology and Water Resources 2021. Centre of Excellence in Water Resources Engineering: UET Lahore-Pakistan, pp. 91-95. ISBN: 978-969-8670-06-01
4. Kausar, S., Zaman, M., Tayyab, M., Umair, M., Ishaq, MM., **Khan, MZ.** (2021), Impact of Bio Slurry on Soil Physical Properties and Crop Yield. In: International Conference on Hydrology and Water Resources 2021. Centre of Excellence in Water Resources Engineering: UET Lahore-Pakistan, pp. 96-100. ISBN: 978-969-8670-06-01
5. Ishaq, MM., Zaman, M., Chauhdary JN., **Khan, MZ.**, Kausar, S. (2021), Evaluation of Root Zone Behavior and Cucumber Yield under Different Mulch Materials. In: International Conference on Hydrology and Water Resources 2021. Centre of Excellence in Water Resources Engineering: UET Lahore-Pakistan, pp. 101-104. ISBN: 978-969-8670-06-01

### Abstract

1. **Khan MZ**, Zaman M, Kausar S, Khanam H, Yaseen S, Muzammal H, Saqlain M (2019) Tourism management by using GIS software. International Conference on Green Energy Technologies: Opportunities and Challenges ISBN: 978-969-9035-18-0
2. Ishaq MM, Zaman M, Cheema MJM, **Khan MZ**, Kausar S, Hussain S (2019) Demand-based agriculture using remote sensing technology. International Conference on Green Energy Technologies: Opportunities and Challenges ISBN: 978-969-9035-18-0
3. Kausar S, Zaman M, **Khan MZ**, Ishaq MM (2019) Hydropower energy is basic demand of Pakistan. International Conference on Green Energy Technologies: Opportunities and Challenges ISBN: 978-969-9035-18-0
4. Yaseen S, Khanam H, Muzammal H, Cheema MJM, Ali S, Waqas MM, **Khan MZ** (2019) AEROPONICS: The Air Culture. International Conference on Green Energy Technologies: Opportunities and Challenges ISBN: 978-969-9035-18-0
5. Khanam H, Muzammal H, Yaseen S, Cheema MJM, Ali S, **Khan MZ** (2019) Hydel power of Pakistan. International Conference on Green Energy Technologies: Opportunities and Challenges ISBN: 978-969-9035-18-0
6. Saqlain M, Shahid MA, Yameen Q, **Khan MZ**, Ishaq MM, Majeed MD (2019) Hydrologic modeling for water and energy management in Pakistan. International Conference on Green Energy Technologies: Opportunities and Challenges ISBN: 978-969-9035-18-0