



**Muhammad Umar Draz**  
**P.h.D. CS (Cont.)**

## ACADEMIC QUALIFICATION

- **Philosophy of Head Doctorate: P.h.D. (Computer Science) Continue** from COMSATS University Islamabad, Punjab, Pakistan.
- **18 Year Education:** Master of Science in Computer Science (MSCS, with research thesis) from COMSATS University Islamabad, Sahiwal, with CGPA 3.81/4.00, (2016-2018).
- **16 Year Education:** Master of Computer Science (MCS, with research thesis), from Government College University Faisalabad with CGPA 3.88/4.00, (2013-2015).
- **14 Year Education:** Bachelor of Science (B. Sc), from Bahaudin Zakariya University with 1<sup>st</sup> Division, (2011-2013).
- **12 Year Education:** Fundamentals of Science (F.Sc), from Faculty of Science with 1<sup>st</sup> Division, (2009-2011)
- Master of Education (**M.ED**) and Bachelor of Education (**B.ED**) in *Science Teaching Education* from AIOU Islamabad, Pakistan with 1<sup>st</sup> Division, (2014 and 2017 respectively).

## WORK PLACE AND EXPERIENCE

- *Lecturer of Computer Science*, University of Sahiwal since March 2020 to date.
- *Deputy Director Student Affairs (DSA)*, University of Sahiwal since June 2020 to date.
- *3 year experience as Lecturer of Computer Science*, in Govt. College University Faisalabad, Sahiwal Campus, since 2017 to 2020.
- *1 year experience as Lecturer of Computer Science* (for evening classes) at University of Centra Punjab (UCP) Sub-Campus, since 2018-19.
- *3 year Senior Lecturer of Computer Science*, In Superior College, Okara for universities classes under GCUF affiliation 2015-17.
- 1 year experience as Research Associates at COMSATS University Islamabad, Sahiwal campus since 2017-18.
- 1 year experience as Master Trainer Officer (MTO) in Govt. Elementary Teaching Training College, Sahiwal 2016-17.

## PUBLICATIONS

### Journal Articles

1. Wajiha Farooq, Tariq Ali and **Umar Draz**: Atomic shaped efficient data gathering routing protocol for UWSN, In Turk J Elec Eng & Comp Sci. (**Published**).

2. **Umar Draz**, Tariq Ali and Sana Yasin: LI-FI Become IoE: A Novel Architecture for LED, Volume 4, Issue 16, Pg # 1-5, In EAI Transaction on Scalable Information System 2017, (**Published**). Doi: 10.4108/eai.13-4-2018.154474
3. Tariq Ali, Javeria Noureen and **Umar Draz**: Participant's Ranking Algorithm for Crowd sensing in Mobile Communication, Volume 4, Issue 16, Pg # 1-5, In EAI Transaction on Scalable Information System 2017, (**Published**). Doi: 10.4108/eai.13-4-2018.154476
4. Tariq Ali, **Umar Draz**, and Sana Yasin: An Efficient Participant's Selection Algorithm for Crowd sensing, In International Journal of Advanced Computer Science and Applications (IJACSA) - Volume 9, Issue No. 1, Page # 399-404, January 2018. (**Published**). Doi: 10.14569/IJACSA.2018.090154
5. **Umar Draz**, Tariq Ali: "A Comprehensive Comparative Analysis of Two Novel Underwater Routing Protocols" In International Journal of Advanced Computer Science and Applications (IJACSA) - Volume 9 No. 5 May 2018. (**Published**).
6. **Umar Draz**, Tariq Ali: " A Comprehensive Formal testing of few Attacks on Mobile Ad-hoc networks By using VDM-SL Tool Box" in IJCSNS, volume 19 No. 8, 2019. (**Published**).

### Conference Articles

7. **Umar Draz**, Tariq Ali and Sana Yasin: Cloud based Watchman Inlets for Flood Recovery System using Wireless Sensor and Actor Network, 21<sup>st</sup> INMIC, Islamabad, Pakistan. (**Published**).
8. **Umar Draz**, Tariq Ali and Sana Yasin: A Pattern Detection Technique of L-MYC for Lungs Cancer Oncogene in Bioinformatics Big Data, 17<sup>th</sup> IBCAST-2020, (**Published**).
9. **Umar Draz**, Tariq Ali, Jamshid Khan and Sana Yasin : A Real Time Smart Dumpster Monitoring System, in 5<sup>th</sup> ICASE-IST-2017, Islamabad Pakistan, (**Published**).
10. **Umar Draz**, Tariq Ali: Evaluation based analysis of packet delivery ratio for AODV and DSR under UDP and TCP Environment, in 1<sup>st</sup> ICOMET-2017, Pakistan. (**published**).

### Book Chapters

11. Sana Yasin, Tariq Ali, **Umar Draz**: A Parametric Performance Evaluation of Batteries in Wireless Sensor Network, In **Springer** book title "**Recent Trends and Advances in Wireless and IoT-enabled Networks**". (**Published**).
12. **Umar Draz**, Tariq Ali and Sana Yasin: "IT-based Finance Hub: A New Horizon towards Transparent Zakat Distribution Model" In 1st World Islamic Economics and Finance Conference, Taylor and Francis Group, Chapter 5. (**Best Paper Award Published**).

## ACHIEVEMENTS

- Received Best Research Paper Award with novel idea of replacing banks with IT-Based Finance Hub; in **1st WORLD Islamic and Finance Conference (WIFC\_2018)**, Minhaj University, Lahore, Pakistan and University of La-Taroob, Australia. *Media Coverage:*  
<https://drive.google.com/file/d/1VIR9Ujh8nvl4ZorjKWIKpSJe43nSM6bJ/view>
- Short listed with two projects at Best Information Technology Award (**BITA-2017**), Frontier of Information Technology under Ministry of S&T with cost of 1 Million Each, respectively.
- 2 Time Travel Grant Winner of **3<sup>rd</sup> ACSTM and 6<sup>th</sup> ACSE** Annual conference in **Deira Dubai, UAE** among top 50 Candidates.
- Receive letter of Invitation against article "Towards Implementation Idea of Li-Fi Based LED's Technology In A 100% Free Communication Zone By World Vision 2030" for **ACSTM 2019, Dubai, UAE**.
- Organizer Certificate of All Pakistan DICE-IET Innovation 2016 in COMSATS University Islamabad, Sahiwal Campus.
- Received Best Presenter Award in European Alliance International Conference.
- Participation certificate of several good number of conferences as an author.
- Supervised **Thirty two** Students thesis of **M.Sc Computer Science**.
- Co-Supervisor of **Eighteen** Students of **M.Sc Computer Science**.
- Doing Supervision of Final year project (FYP), **Twenty two** groups for the degree of four year **BSCS & BSSE 2014-2018**.

## TEACHING ABILITY

- Computer Networks and Security
- Wireless and Mobile Communication
- Computer Organization and Assembly Language
- Design and Analysis of Algorithm
- Artificial Intelligence
- Theory of Automata and Computation
- Discrete Structure

## AWARDS AND NOMINATIONS

- Made idea of **Online Care Giver system** that firstly introduced in Pakistan for replace the old age home. We provide care giver rather than we send our old parents to old age home like European countries. This idea greatly encourages by Bahria Town old age society and many NGO's think about for implementation of this idea in Pakistan.

## PERSONAL INFORMATION

Father's Name : **TANVEER AHMAD**  
Domicile : Sahiwal (Punjab)  
Marital Status : Single  
Religion : Islam  
Address: : Sahiwal, Punjab, Pakistan.  
Email Address : [umardraz@uosahiwal.edu.pk](mailto:umardraz@uosahiwal.edu.pk)

## REFERENCE

**Dr. Low Tang Jung**

**Professor/ Dean**

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***Associate professor***

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