# Dr. Javed Iqbal

#### **PERSONAL INFORMATION:**

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#### **EXECUTIVE SUMMARY**

As a highly skilled professional, my executive summary emphasizes my core skills in critical thinking, interpersonal skills, resourcefulness, speaking skills, and writing skills. These skills demonstrate my ability to approach complex challenges with a strategic and analytical mindset, work effectively with others, communicate clearly and persuasively, and adapt to changing situations. My critical thinking skills enable me to analyze complex problems, gather and evaluate information, and make informed decisions. I have a strong ability to identify key issues and develop innovative solutions that align with organizational goals. My interpersonal skills demonstrate my ability to build strong relationships with colleagues, stakeholders, and clients, and to collaborate effectively across teams. Resourcefulness skills enable me to identify and leverage available resources to achieve desired outcomes, while also adapting to new situations and challenges as they arise. I have a proven track record of success in identifying creative solutions that optimize resources and meet objectives. In parallel, speaking skills demonstrate my ability to communicate clearly and persuasively, with the capacity to influence others and convey complex ideas in an engaging and accessible manner. I have a strong ability to present information effectively to diverse audiences, and to engage and motivate others toward shared goals. In the end, my writing skills showcase my ability to produce high-quality written materials, including reports, presentations, and proposals. I have a strong ability to communicate complex information in a clear, concise, and compelling manner, with an attention to detail that ensures accuracy and precision. In short, I am a results-oriented professional with a proven ability to think critically, collaborate effectively, and communicate persuasively, and am well-equipped to succeed in a variety of roles that require these skills. **EDUCATION** 

Research Fellowship. (Universiti Sains Malaysia) Ph.D. (Universiti Kuala Lumpur, British Malaysian Institute) M.Sc. (The University of Nottingham) B.Sc. (University of Engineering & Technology, Peshawar)

### **RESEARCH INTEREST:**

- Dielectric Resonator Antennas: Design of microwave and millimeter-wave (mm-wave) dielectric resonator antennas (DRAs) for wireless communications.
- MIMO Antennas: Design of Multiple-Input Multiple-Output (MIMO) antennas for high data rate. Mitigation of Mutual coupling techniques
- Biomedical implantable devices: Wireless Body Area Networks (WBANs) for Wearable Applications.
- 5G NR Band application through singly fed DRAs-

## **ACADEMIC QUALIFICATION:**

Qualification	Year	Field
Research Fellowship	2021-2022 (Remotely)	Electrical and Electronic Engineering
PhD	2016-2019	Electrical and Electronic Engineering
M.Sc.	2012	Electronic Communication & Computer Engineering
BSc	2007	Telecommunication Engineering

### Ph.D. TITLE:

• A Multiple-Input Multiple-Output Wideband Circularly Polarized Dielectric Resonator Antenna for WiMAX Application.

### **FUNDED PROJECTS**

Name	Num	Role	Date	Budget
Short-Term Research Grant Scheme (STRG)	Str:17007	Project Leader: Prof. Dato' Dr. Mazliham Mohd Su'ud Project Members: 1. Dr. Mohamad Ismail Sulaiman (Including GRA) 2. Dr. Javed Iqbal	Oct-2017-Oct 2020	RM:24000/-

### **WORKING EXPERIENCE (15-YEARS)**

Position	Year	Employer
HoD	01/12/2020- Till Now	Electrical Engineering Department, Faculty of Engineering & Technology, Gomal University, Pakistan
Assistant Professor	2014-Till Now	Electrical Engineering Department, Faculty of Engineering & Technology, Gomal University, Pakistan
Lecturer	2008-2014	Electrical Engineering Department, Faculty of Engineering & Technology, Gomal University, Pakistan
Lecturer (Contract)	March 2008-Dec 2008	Institute of Computing and Information Technology, Gomal University, D.I. Khan, KpK, Pakistan.

### **RESPONSIBILITIES**

#### As HEAD of the DEPARTMENT

- Liaising with existing teaching staff, administrative staff, and Researchers to achieve set goals.
- Observing, analyzing, and offering suggestions on current operations.
- Scheduling meetings and training sessions with staff and students.
- Assisting with recruitment, training, and onboarding processes.
- Establishing professional relationships with students and staff.
- Ensuring all health and safety, as well as university regulations are always followed by staff.
- Liaising with staff and organizing teambuilding events that take everyone's needs into account.
- Conducting research, writing up reports, and presenting findings to staff and others.
- Maintaining relationships with industries and finding creative ways to expand the organization.
- Attending workshops, lectures, and training sessions wherever possible

#### As LECTURER

- Preparing and delivering lectures, tutorials, workshops, and seminars.
- Developing curricula and course material that can be used across several platforms.
- Collaborating with other academics and lecturers to improve teaching methods and expand the knowledge base.
- Setting and grading assignments, tests, and exams.

- Conducting research, and writing papers, proposals, journal articles, and books.
- Attending and participating in meetings, conferences, and other events in and outside of the institution.
- Participating in training opportunities and initiatives at the institution.

# AWARDS/ACHIEVEMENTS/CERTIFICATIONS

Awarded Institution	Certificate Num/Year/amount
IEEE/AP/MTT/EMC MALAYSIA JOINT CHAPTER	Best Paper of the Year-2019
Graduate Engineer from Board of Engineers Malaysia (BEM)	G20925A
Excellent Graduate Assistantship (EGA), UniKL-BMI	2016-2019
1 <sup>st</sup> Runner up 3-MT By University Queensland Australia, UPSI	-
Graduate Student Membership, Malaysia Chapter	IEEE (Since 2017)
Registered Engineer from Pakistan Engineering Council (PEC)	TELE/430
Higher Education Commission (HEC) Approved Master/Ph.D. Supervisor	Ref. HEC/HRD/ASA/2020/66541
Developing Solution scholarship to pursue M.Sc. (Full Tuition fee waiver)	University of Nottingham, Malaysia Campus.
Merit Award	University of Nottingham
A travel grant was awarded by Universiti Kuala Lumpur (UniKL) of Malaysia to present a conference paper in Kota Kinabalu (2018)	RM 6000/-
ANUGERAH SANGGAR SANJUNG USM 2021	Universiti Sains Malaysia
	1) open access journal "Electronics" (ISSN 2079-9292)
Full Article publication charges (APC) waived	2) Journal of Electronics and Electrical Engineering ISSN:2972-3280
Partially Article publication charges (APC) Waived	1) Micromachines 2) J

### **PROFESSIONAL ACTIVITIES**

- Reviewer for MDPI
- Reviewer for Hindawi
- Plasmonic
- Sir Syed University Research Journal of Engineering & Technology

### **TOOLS ON HAND**

Tools 1)   2) 3)   4) 5)   6) 6)	CST FEKO HFSS MATLAB MS Office Latex
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# <u>SELECTED SCOPUS/ ISI JOURNAL/CONFERENCE PAPERS AND CUMULATIVE IMPACT</u> FACTOR (CIF)

Total	Q1	Q2	Q3	Q4	Total Citation	Cumulative impact factor (CIF)	h-index/i10-index	Publication in the top 5% journal percentile
16	8	6	2		257	52.9	9/9	95

### **SELECTED JOURNAL PUBLICATIONS**

1.	Bari, I.; Iqbal, J.; Ali, H.; Rauf, A.; Bilal, M.; Jan, N.; Illahi, U.; Arif, M.; Khan, M.A.; Ghoniem, R.M. Bandwidth Enhancement and Generation of CP of Yagi-Uda-Shape Feed on a Rectangular DRA for 5G Applications. <i>Micromachines</i> 2022, <i>13</i> , 1913. https://doi.org/10.3390/mi13111913	Q2
2.	Noor, S. K., Ismail, A. M., Najib, M., Osman, M. N., Ramli, N. et al. (2023). Generation of OAM Waves and Analysis of Mode Purity for 5G Sub-6 GHz Applications. CMC-Computers, Materials & Continua, 74(1), 2239–2259.(I.F 3.772)	Q1
3.	Illahi, U.; Iqbal, J.; Irfan, M.; Ismail Sulaiman, M.; Khan, M.A.; Rauf, A.; Bari, I.; Abdullah, M.; Muhammad, F.; Nowakowski, G.; Glowacz, A. A Novel Design and Development of a Strip-Fed Circularly Polarized Rectangular Dielectric Resonator Antenna for 5G NR Sub-6 GHz Band Applications. Sensors 2022, 22, 5531. https://doi.org/10.3390/s22155531	Q2
4.	Ali, A.; Tong, J.; Iqbal, J.; Illahi, U.; Rauf, A.; Rehman, S.U.; Ali, H.; Qadir, M.M.; Khan, M.A.; Ghoniem, R.M. Mutual Coupling Reduction through Defected Ground Structure in Circularly Polarized, Dielectric Resonator-Based MIMO Antennas for Sub-6 GHz 5G Applications. <i>Micromachines</i> 2022, <i>13</i> , 1082. (I.F 3.532) https://doi.org/10.3390/mi13071082	Q2

5.	ME Munir, AG Al Harbi, SH Kiani, M Marey, NO Parchin, J Khan, Iqbal,j."A New mm-Wave Antenna Array with Wideband Characteristics for Next Generation Communication Systems"Electronics 11 (10), 1560 (Accepted Q-2, Scopus Journal I.F 2.679) ( 2022)	Q2
6.	J Iqbal, U Illahi, MA Khan, A Rauf, EM Ali, I Bari, H Ali, MA Khan, "A Novel Single- Fed Dual-Band Dual-Circularly Polarized Dielectric Resonator Antenna for 5G Sub- 6GHz Applications" Applied Sciences 12 (10) (Accepted Q-2, Scopus Journal I.F 2.679) (2022)	Q2
7.	Khan, M.A.; Al Harbi, A.G.; Kiani, S.H.; Nordin, A.N.B.; Munir, M.E.; Saeed, S.I.; Iqbal, J.; Ali, E.M.; Alibakhshikenari, M.; Dalarsson, M. mmWave Four-Element MIMO Antenna for Future 5G Systems. <i>Appl. Sci.</i> 2022, <i>12</i> , 4280. https://doi.org/10.3390/app12094280 (Accepted Q-2, Scopus Journal I.F 2.679)(2022)	Q2
8.	Javed. Iqbal, Usman Illahi, M.Yasin.M.N, Mahmoud A. Albreem, And M. F. Akbar. Bandwidth Enhancement by Using Parasitic Patch on Dielectric Resonator Antenna for Sub-6 GHz 5G NR Bands Application Alexandria Engineering Journal (Accepted Q- 1, Scopus Journal I.F 3.732) 2022	Q1
9.	Zambak, M.F.; Yasin, M.N.M.; Adam, I.; Iqbal, J.; Osman, M.N. Higher-Order-Mode Triple Band Circularly Polarized Rectangular Dielectric Resonator Antenna. <i>Appl.</i> <i>Sci.</i> 2021, <i>11</i> , 3493. <u>https://doi.org/10.3390/app11083493</u> (Q-1, Scopus Journal I.F 2.434) 2021	Q1
10.	Usman Illahi , <b>Javed Iqbal</b> ,Mohamad Ismail Sulaimana, <u>https://www.sciencedirect.com/science/article/abs/pii/S1434841120310025</u> . !Mazliham Mohd Su'ud, Muhammad Irfan Khattake <b>"Design and development of a singly-fed circularly polarized rectangular dielectric resonator antenna for WiMAX/Satellite/5G NR band applications</b> " AEU - International Journal of Electronics and Communications Volume 126, November 2020, . (Q1-Scopus journal, I.F 3.659)	Q1
11.	J. Iqbal, U. Illahi, M. I. Sulaiman, M. M. Alam, M. M. Su'ud and M. N. Mohd Yasin, "Mutual Coupling Reduction Using Hybrid Technique in Wideband Circularly Polarized MIMO Antenna for WiMAX Applications," in IEEE Access, vol. 7, pp. 40951-40958, 2019. (Q1-Scopus journal Impact Factor: 4.098)	Q1
12.	U. Illahi, J. Iqbal et al., "Design of New Circularly Polarized Wearable Dielectric Resonator Antenna for Off-Body Communication in WBAN Applications," in <i>IEEE</i> Access, vol. 7, pp. 150573-150582, 2019. (Q1-Scopus journal Impact Factor: 4.098)	Q1
13.	U. Illahi, J. Iqbal, M.I. Sulaiman, M. Alam, M.S. Mazliham and M.H. Jamaluddin "Singly-Fed Rectangular Dielectric Resonator Antenna with a Wide Circular Polarization Bandwidth and Beam width for WiMAX/Satellite Applications" in IEEE Access, vol. 7, pp. 66206-66214, 2019 (Q1-Scopus journal Impact Factor: 4.098)	Q1

14.	<b>J. Iqbal,</b> U. Illahi, M. I. Sulaiman, M. M. Alam, M. M. Su'ud and M. N. Mohd Yasin and M.H. Jamaluddin " <b>Bandwidth Enhancement and Generation of CP by Using</b> <b>Parasitic Patch On Rectangular DRA for Wireless Applications,</b> " in IEEE Access, vol. 7, pp. 94365-94372, 2019 (Q1-Scopus journal Impact Factor: 4.098)	Q1
15.	<b>J. Iqbal,</b> U Illahi, MI Sulaiman, M Alam, MS Mazliham, Ding LS., " <b>Mutual coupling</b> reduction in circularly polarized dielectric resonator MIMO antenna," Indones. J. Electr. Eng. Comput. Sci., vol. 15, no. 1, pp. 366–373, 2019.	Q3
16.	U Illahi, J Iqbal, MI Sulaiman, M Alam, MS Mazliham, MH Jamaluddin., "Circularly polarized rectangular dielectric resonator antenna excited by an off-set conformal metal strip" Indones. J. Electr. Eng. Comput. Sci., vol. 15, no. 2, pp. 902–909, 2019.	Q3

# **CONFERENCE PROCEEDING**

- Illahi, U., Iqbal, J., Sulaiman, M. I., Alam, M., Mazliham, M. S., & Jamaluddin, M. H. (2019). A Conformal Metal Strip Fed Circularly Polarized Rectangular Dielectric Resonator Antenna. In 2019 ieee asia-pacific conference on applied electromagnetics (apace) (pp. 1–3). IEEE. doi: <u>https://doi.org/10.1109/APACE47377.2019.9020890</u>
- Illahi, U., Iqbal, J., Sulaiman, M. I., Alam, M., & Mazliham, M. S. (2019). Improvement in Bandwidths and Beamwidths of a Singly-Fed Circularly Polarized Rectangular Dielectric Resonator Antenna using Two Parasitic Elements. In 2019 ieee international conference on smart instrumentation, measurement and application (icsima) (pp. 1–4). IEEE. doi: <u>https://doi.org/10.1109/ICSIMA47653.2019.9057326</u>
- Iqbal, J., Illahi, U., Sulaiman, M. I., Alam, M., & Mazliham, M. S. (2019). Broad Bandwidth Micro Strip Array Antenna for Direction Finding. In 2019 ieee international conference on smart instrumentation, measurement and application (icsima) (pp. 1–6). IEEE. doi: <u>https://doi.org/10.1109/ICSIMA47653.2019.9057312</u>
- Illahi, U., Iqbal, J., Sulaiman, M. I., Alam, M., & Mazliham, M. S. (2017). A novel singly fed wideband circularly polarized cylindrical multilayer DRA using conformal hook-shaped metal strip. In 2017 international conference on engineering technology and technopreneur ship (ice2t) (pp. 1–4). IEEE. doi: <u>https://doi.org/10.1109/ICE2T.2017.8215950</u>
- 5. Iqbal, J., Illahi, U., Sulaiman, M. I., Alam, M., & Mazliham, M. S. (2017). Circularly polarized bandwidth enhancement using hollow cylindrical DRA. In 2017 international conference on engineering technology and technopreneur ship (ice2t) (pp. 1–4). IEEE. doi: https://doi.org/10.1109/ICE2T.2017.8215951