

Curriculum Vitae



Position

Assistant professor Doctor

Personal Details

Name	Kusay Faisal Abdulrazak
Nationality	Iraqi
Address	Chwar Chra, Sulaimanya, Kurdistan region, Iraq.
Date of birth	24 - November – 1977
Languages	English (Fluent) - Arabic (Fluent)
Email	Kusay.faisal@sulicihan.edu.krd
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Academic Qualification:

All qualifications are qualified from the ministry of higher education in Kurdistan

Highest Education

2007-2013	PhD Degree in Electrical Engineering.
Research title	Rain Distribution Profile Extracted from Meteorological Radar Data for Fixed Broadband Wireless Access
University	University of Technology Malaysia, Johor State, Malaysia
Medium of research	English

Second Highest Education

2005-2007	Master's Degree in (Electrical-Electronics & Telecommunication).
Project title	Long-term Rain Attenuation Probability and Site Diversity Gain Prediction Formulas
University	University of Technology Malaysia, Johor State, Malaysia
Grade	3.76 out of 4 (Equal to 94%)
Medium of research	English

Third Highest Education

1995-2000	Bachelor's Degree in (Electrical & Electronics Engineering)
	Major Field in Electrical and Electronic Engineering
Project title	Design and Implementation of Camera Aiming System
University	University of Garyounis, Benghazi , Libya
Grade	76 %
Medium of research	English

- I completed teaching method certificate on 26/11/2013.
- I hold lecturer scientific title since 01/10/2014.
- I hold assistant professor scientific title since 02/04/2022.

Training courses and certificates:

Aug 2013 – Oct 2013 University	Complete Teaching Methods Training course University of Sulaimania	Sulaimanya, Iraq
Sep 2003-Jan 2005 Collage	Cisco Network Academy System (CCNA) Northwest London College	London, UK
Feb 2005 – July 2005 Collage	Java Programming Northwest London College	London, UK
Sep 2004-Jan 2005 Collage	C++ Programming Northwest London College	London, UK
Jan – July 2002 Collage	Certificate in part of Information Technology North8west London College	London, UK

Academic Experience:

I worked seven year as Lecturer doctor at university of Cihan/Sulaimaniya - Iraq from 2013, taught and could teach the following subjects:

- Microprocessor & Assembly Language
- Computer Architecture Design
- English for computer science
- MATLAB Programming
- Multimedia
- Image processing
- Parallel processing
- Operations Research (Algorithms and problem solving)
- Probabilities Theory
- Research Methodology
- Account Software Package
- Accounting Information System
- Computer Applications
- Computer Skills
- Supervise number of undergraduate students.

I worked as teaching assistant at Universiti Teknologi Malaysia (UTM) in Electrical and Electronic engineering department between 2006 and 2007, taught the following subjects:

- Electronic Digital Laboratory
- Electrical Circuits laboratory
- Digital Communication Laboratory (year between 2011-2012)

Other subjects which could lectures in:

- Circuit theory analysis
- Electromagnetic engineering
- Electronics engineering
- Communication engineering

- **Researcher under Research student grant:**

Project title & duration: “Issues on Reliable Communications at Frequencies Bands Above 25 GHz in the Tropics”, from July 2007 to October 2009. Universiti Teknologi Malaysia. Sponsor: Malaysian Communication and Multimedia Commission (MCMC).

- **Post Research Assistant under Working Student Scheme:**

Project title & duration: “Study the possibilities of High Altitude Platform Station Gateway Links deployment in the Range 5850-7075MHz for Malaysia”, from October 2009 to December 2010. Universiti Teknologi Malaysia. Sponsor: Malaysian Communication and Multimedia Commission (MCMC).

Funded Projects:

1. 411,000 Malaysian Ringgit (135,000 USD), Project title: "Co- Channel Interference for Site Diversity during heavy Rain in LMDS System ". Grant from the Malaysian Communication and Multimedia Commission (MCMC), Cyberjaya, Malaysia. Duration: June 2007 to October 2009.
2. 169,000 Malaysian Ringgit (51,000 USD), Project Title: "Study the possibilities of High Altitude Platform Station Gateway Links deployment in the Range 5850-7075MHz for Malaysia". Grant from the Malaysian Communication and Multimedia Commission (MCMC), Cyberjaya, Malaysia. Duration: February 2009 to December 2010.

Publications:

Chapters in a book publication

Kusay Faisal Al-Tabatabaie, Lway Faisal Abdulrazak, and Tharek Abd. Rahman “Utilize 3300-3400 MHz Band for Fixed Wireless Access”. Book "Advanced Technologies", Chapter 17. INTECH publications. ISBN 978-953-307-017-9. Pp.291-301.

International Journal publication

1. Md. M. Ali, V. S. Al-Doori, N. Mirzah, A. A. Hemu, I. Mahmud, S. Azam, **Kusay Faisal Al-tabatabaie**, “A machine learning approach for risk factors analysis and survival prediction of Heart Failure patients”, Healthcare Analytics Journal, Vol. 3, 100182, *June 2023*.
2. A. M. T. Hoque, **Kusay Faisal Al-Tabatabaie**, Md. E. Ali, “U-Grooved Selectively Coated and Highly Sensitive PCF-SPR Sensor for Broad Range Analyte RI Detection”, IEEE journal, Vol. 11, *March 2023*.
3. Md.N. Islam, **Kusay Faisal Al-tabatabaie**, Md.A. Habib, S.S. Iqbal “Design of a hollow-core photonic crystal fiber based edible oil sensor”, Crystals MDPI journal, Vol. 12, Issue: 10, *October 2022*.
4. **Kusay Faisal Al-tabatabaie**, Md. B. Hossain, Md. K. Islam, Md. R. Awual “Taking strides towards decarbonization: The viewpoint of Bangladesh”, Energy strategy reviews journal, Science direct, Vol. 44, ISSN. 2211467X, *September 2022*.
5. **Kusay F. Al-tabatabaie** “Design and fabricate of miniaturized T-shape ultra wideband antenna for wireless application”, Cihan- Sulaimani scientific journal, 2022.
6. AminulIslamab, Kusay FaisalAl-tabatabaie, Ashish Kumar, and Md.Biplob Hossaine “Assessing energy diversification policy and sustainability: Bangladesh standpoints”, Energy strategy reviews journal, Volume 40, 100803, *March 2022*.

7. Sanchita Sarker, **Kusay Faisal Al-Tabatabaie**, Amrindra Pal, Vigneswaran, and Md Kabirul Islam “D-shape photonic crystal fiber for optical coherence tomography: design and analysis”, *Optical Engineering Journal*, SPIE. Digital library. Volume 60, id. 127109, December 2021.
8. Sourav Roy¹, **Kusay Faisal Al-tabatabai**², Aniruddha Chakraborty³, Md. Alamgir Kabir⁴, Md. Sanwar Hossain⁴, Lway Faisal Abdulrazak⁵ “Numerical Investigation into Optical and Electronic Performance of Crystal Orientation-dependent InGaAs/InP Near-Infrared Laser”, *ScienceDirect, Results in Physics journal*, 17 May 2021.
9. **Kusay F. Al-tabatabaie** “Vertical Handover Decision Algorithms in Multi-Wireless Network Systems”, *International Journal of Engineering and Technical Research* 12(12):2246-2253, *January 2020*.
10. Md. N. Sakib, Mb. B. Hossain, **Kusay F. Al-tabatabaie**, Ibrahim M. Mehedi, Md. T. Hasan, A. Hossain, and I.S.Amiri “High Performance Dual Core D-Shape PCF-SPR Sensor Modeling Employing Gold Coat”, *ScienceDirect, Results in Physics journal*, 15 October 2019.
11. Amzad Hossain², I.S.Amiri, Lway F. Abdulrazak, and **Kusay F. Al-Tabatabaie** " Mapping A new System For Outdoor GSM Signal Strength", 4th ICNS on Matric and computer science, April 2019.
12. **Kusay F. Al-Tabatabaie** " Applying Arduino For Controlling Car Parking System", *Applied Computer Science*, vol. 15, no. 2, pp. 53–62, 18 May 2019.
13. **Kusay F. Al-Tabatabaie** "Adoption and Appropriation Of Mobile Phone On The Iraqi Society", *International Journal of Scientific & Technology Research*, IJSTR, May 2018.
14. **Kusay F. Al-Tabatabaie, Koraw Dara Hama** "Remote Automation System Control Using Arduino Board", *International Journal of Latest Trends in Engineering and Technology (IJLTET)*, Vol. 8, Issue:3, pp.161- 167, June 2017.
15. **Kusay F. Al-Tabatabaie** "Third Generation Wireless Modeling in Urban Environment", *EEC Journal*, ISSN: 2456-2319, Vol. 2, Issue: 3, May 2017.
16. L. F. Abdulrazak and **K. F. Al-Tabatabaie** "Preliminary Design of Iraq Spectrum Management Software (ISMS)".*IJAR*, ISSN: 2320-5407, Vol. 5, No.2, 2560-2568, February 2017.
17. L. F. Abdulrazak and **K. F. Al-Tabatabaie** "Broad-Spectrum Model for Sharing Analysis between IMT-Advanced Systems and FSS Receiver". *IOSR-JECE*, Vol. 12, Issue.1, Jan-Feb 2017. PP 52-56.
18. L. F. Abdulrazak and **K. F. Al-Tabatabaie** " Impact of Mobile Phone on the Iraqi Society". *IJAR*, ISSN: 2320-5407, Vol. 5, No.1, 149-157, January 2017. Vol. 12, Issue.1, Jan 2017.
19. **K. F. Al-tabatabaie** "A new Improved-Music Algorithm for High Resolution Direction of Arrival Detection". *JATIT*, Vol. 72, No.1, 101-105, 10th February 2015.
20. **K. F. Al-tabatabaie, L. F. Abdulrazak** " Optimum Terrestrial KA Microwave Link for Malaysia Based on Rain Distribution Profile Extracted from Radar Data". *JATIT*, Vol. 72, No.1, 106-110, 10th February 2015.
21. M. Rafi Ul Islam, T. Rahman, S. Rahim, **K. F. Al-tabatabaie**, and A. Abdulrahman " Fade Margins Prediction for Broadband Fixed Wireless Access (BFWA) from Measurements in Tropics". *PIER*, Vol. 11, 199-212, 2009. doi:10.2528/PIERC09103006 .

International conferences

1. **Al- tabatabaie. K** and Din. J “Long-term Rain Attenuation Probability and Site Diversity Gain Prediction”, *IEEE ASPACE2007 conference*, Published on 2008-08-22.
2. **Kusay Al-tabatabaie**, Din J, Nor Hisham Haji Khamis, Md.Rafi Ul Islam and Tharek Abd. Rahman "The rain effect on LMDS system and the way to improve it". *ICCCS 2008*, Nvember 7, 2008, Daegu University, Korea.
3. Md.Rafi Ul Islam, **Kusay F. Al-tabatabaie**, J. Din, Tharek Abd. Rahman "Rain rate and attenuation estimation at particular location based on ITU-R approach and comparison with measurement in Malaysia". *ICCCS 2008*, Nvember 7, 2008, Daegu University, Korea.
4. **Kusay Al-tabatabaie**, Din J, Nor Hisham Haji Khamis and Md.Rafi Ul Islam "Co- Channel Interference for Site Diversity during heavy Rain in LMDS System". *IEEE RFM08 conference*.

References:

Available when it requested.