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## **ASSISTANT PROFESSOR FAYYADH H. AHMED**

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### **PERSONAL INFORMATIONS:**

- ✚ Name: **Fayyadh Hussein Ahmed**
- ✚ Gender / Marital state: Male, Married
- ✚ Birthday: 24<sup>th</sup> August 1984
- ✚ Nationality: Iraqi
- ✚ Languages:

- ❖ English (Well speaking and writing),
- ❖ Kurdish(Native Language)
- ❖ Arabic (Speaking and writing).



### **EDUCATION:**

1. **BSc in Electrical Engineering / Electronics & communication**, University of Mosul, Iraq.  
Final Project title: "**Study and Simulation WCDMA-Wireless system using matlab**"  
.....(July, 2007)
2. **MSc in Electrical Engineering / communication**, University of Mosul, Iraq.  
MSc Thesis title: "**Design and Implementation Compact Microstrip Antenna with Enhanced Bandwidth** "  
.....(June, 2010)

### **ACADEMIC SCINTIFIC TITLE:**

**Assistant Professor**.....(since 28 July. 2019).

### **EMPLOYMENTS:**

1. **Manager in Independent Higher Commission for Elections/ Bashiqa Branch**  
**2008~ 2010.**
2. **Staff member as an assistant lecturer (Aug.2010-March 2015), then lecturer (March 2015-2019) at University of Duhok / Department of Electrical and Computer Department.**

- **TEACHING EXPERIENCE:**

- Numerical Analysis I, 3<sup>rd</sup> year,..... (March ~ June, 2011)

- Probability and Random variables, 2<sup>nd</sup> and 3<sup>rd</sup> year,.....(Sept. 2011 ~ June, 2012)
  - Probability and Random variables, 2<sup>nd</sup> year,.....(Sept. 2012 ~ June, 2013)
  - Microwave Engineering Lab., 4th year,..... (Sept. 2010 ~ till now)
  - Communication systems Engineering Lab, 4th year, ..... (Sept. 2010 ~ till now)
  - Communications Lab, and Digital Communications Lab, 2<sup>nd</sup> and 3<sup>rd</sup> year (Sept. 2010 ~ till now)
  - Digital Signal Processing lab 3<sup>rd</sup> year and labview lab 1<sup>st</sup> and 3<sup>rd</sup> years. (Sept. 2010 ~ June 2014).
  - Computer skills 1<sup>st</sup> year (Sept. 2011~ June 2014).
  - Calculus 1<sup>st</sup> year (March 2016~ till now).
  - Electrical Circuits 1<sup>st</sup> year (Sept. 2016 ~ till now).
  - Electrical machines 3<sup>rd</sup> year (march 2016 ~ till now).
3. **Visitor staff member of Duhok Polytechnic University/ Zakho Technical Institution-** course taught was Electrical Machines 2017-2019.
  4. **Visitor staff member of Zakho University/ College of Engineering-** courses taught were Electrical Machines and Electrical Circuit 2017-2019.
  5. **Visitor staff member of Duhok Polytechnic University/ Akre Technical Institution- IT department,** courses taught were computer architecture and telecommunication 2018-2019.
  6. **Rapporteur of Biomedical Engineering Department 2018-September2020, then assistant professor academic staff member of the department,** The taught courses were;
    - Mathematics I & II 2018-2019.
    - Electromagnetism 2020-till now.

### **COMPUTER SKILLS:**

1. **OS:** MS DOS, Windows98 / 2000 / XP / 7 / 8 .
2. **Programming:** MATLAB Code Programing, C / C++.
3. **Application:** Microsoft Office,
4. **Engineering Software Packages:** Multisim, MATLAB Simulink, CST , IE3D, and LabView.

### **TRAININGS:-**

- ✚ **International Computer Driving License (ICDL )**

### **PUBLICATIONS:-**

#### ✚ **Conference Papers:**

1. Yessar. E. Ali, Fayyadh. H. Ahmed, " Study the Effect of the Substrate Electromagnetic Properties on Rectangular Microstrip Antenna Characteristics", International Scientific conference of Salahaddin University-Erbil (SU-Erbil 2011), Erbil, Kurdistan, Iraq, October 18-20, 2011.
2. Fayyadh Ahmed, Bayez Khorsheed Mohammed Al- Sulaifanie, Benjamin Crowgey, Edward Rothwell, B. Shanker, Leo Kempel," Radiation of a Circularly-polarized

Microstrip Antenna Through an Uniaxial Superstrate " 2012 Loughborough Antennas & Propagation Conference, UK.

3. Ahmed, Fayyadh H. ; Alsulaifanie, Bayez K. "Dual-wideband printed rectangular monopole antenna for wireless applications", Antennas and Propagation Conference (LAPC), 2014 Loughborough, Uk.
4. Fayyadh H. Ahmed, "Pattern-Reconfigurable Antenna for 5.5-GHz WiMAX Applications", 2 nd International conference of the college of Engineering (ICRIE-2017), University of Duhok, Duhok, Kurdistan-Region, Iraq, April- 2017.
5. Fayyadh Hussein Ahmed, Martin Fiebich, "Investigation on the Specific Absorption Rate (SAR) in a 3D Human Head Model Exposed to Electromagnetic Radiations", 3 rd International conference of the college of Engineering (ICRIE-2020), University of Duhok, Duhok, Kurdistan-Region, Iraq, 9-10-september 2020.



#### **Journal Papers:**

1. Fayyadh H. Ahmed," Printed Multiband Monopole Antenna With Independent Tuning Suitable For Compact Wireless Devices" Journal of Duhok University, Vol.18, no. 1, 2015.
2. Ahmed, Fayyadh H. ; Alsulaifanie, Bayez K. "Compact Switchable Multi-State Single-Wideband and Multi-Narrowband Antenna for Wireless , Engineering and Technology Journal , University of Technology, Baghdad, Iraq, Vol. 36, Part A, No. 2, 2018.
3. Fayyadh H. Ahmed," A Compact Single-Feed Patch Antenna with Frequency and Polarization Diversity", Engineering and Technology Journal , University of Technology, Baghdad, Iraq, Vol. 37, Part A, No. 9, 2019.
4. FAYYADH HUSSEIN AHMED, "Propagation Characteristics of Electromagnetic Waves in Multilayered Biological Human Tissue" ZANCO Journal of Pure and Applied Sciences, Salahddin University, Erbil-Iraq, accepted for upcoming issue.