|  |
| --- |
| Wurod Qasim MohamedWurod Qasim Mohamed MohamedM.Sc. inDepartment of Electronic Engineering,College of Engineering, University of Diyala,Baqubah, Diyala Province, Iraqwurod@uodiyala.edu.iqwurod89@gmail.com |
| PersonalInformation | * Nationality: Iraqi
* Date of Birth: 21/ 06/ 1989, Diyala-Iraq
* Country of Residency: Iraq
* H index: 1 (based on the Scopus)
* Address: 32001 Baqubah, Diyala Province, Iraq
 |
| Education | * **Masters of Science** in Electrical Engineering, GPA: 4.0/4.0 Jan 3, 2017California State University Fullerton (CSUF), California, USA **Thesis Title:** Performance Analysis of a New Decoding Technique for MIMO and MIMO – OFDM Communication Systems.

**My supervisor:** Prof. Hamidian Karim* **Bachelor of Science** in Electronic Engineering (90.092/100) 2011University of Diyala, Diyala, Iraq **Engineering project Title:** Design Switched Capacitor and Analog RC –Active 2ND –Order Filters
 |
| Languages | * English and Arabic
 |
| Teaching | * Advanced Mathematic
* Microprocessor Hardware and Software
* MATLB and C++ Programing
* Various Electronics Laboratories
* Supervisor for many graduate projects for undergraduate students.
 |
| Software and Tools | * MATLAB: Simulink, C++ Language, Arduino
* Electronics Workbench, Microsoft Office, Word, Excel, Power Point and Access
 |
| Work Experiences | * University of Diyala, Iraq Oct 2011 ~ Fab 2014

 Laboratory Teacher (Engineering)* California State university Fullerton (CSUF), California, USA

Instructor Student Assistant (ISA) Spring 2016Teacher Assistance (TA) Fall 2016 ~ March 2017* University of Diyala, Iraq March 2017 ~ now

Lecturer, Teacher Assistance (TA) |
| Professional memberships | * Technical Program Committee (TPC) member for IEEE Wireless Communications and Networking Conference (WCNC) 2018, Barcelona.
* Membership at International Journal for Research Under Literal Access, since Nov. 12, 2018.
 |
| **Publications****Journal :** |

| **ت** | **اسم البحث** | **اسم المجلة** | **دار النشر** | **ISSN** |
| --- | --- | --- | --- | --- |
| 1 | New 2-D Interleaving grouping LBC applied on Image Transmission | International Journal of Electrical & Computer Engineering | Indonesia | 2088-8708,DOI:10.11591/ijece.v11i5.pp4241-4249 |
| 2 | Performance enhancement of audio transmission based on LMMSE method | Indonesian Journal of Electrical Engineering and Computer Science | Indonesia | 2502-4752,DOI:10.11591/ijeecs.v21.i2.pp903-910 |
| 3 | Evaluation of bistatic and monostatic RCS for simple and complex targets in X-Band | International Journal of Microwave and Optical Technology | University of Nevada | *VOL.15, NO.6, NOVEMBER 2020* |
| 4 | Novel Detection and Decoding Technique to Optimize Performance in MIMO Communication Systems | Gyancity Journal of Engineering and Technology |  | 2456-0065 DOI:10.21058/gjet.2019.51005 |
| 5 | **A** Parallel Detection and Decoding Technique for MIMO Communication Systems | International Journal of Electrical, Electronics and Data Communication Systems | Turkey | ISSN(p): 2320-2084,ISSN(e): 2321-2950 |
| 6 | A New Detection and Decoding Technique for $\left(2×N\_{r}\right)$ MIMO Communication Systems | International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC), |  | ISSN: 2321-8169July 2018 Volume 6 Issue 7. |
| 7 | Design and Simulation of OP-AMP-RC Sine Wave Oscillator | Bulgarian Journal for Engineering Design, issue 24, October 2014 pp. 51- pp. 55 | Mechanical Engineering Faculty, Technical University-Sofia | 1313-7530 |
| 8 | Design and Implementation of OP-AMP-RC Sine Wave Oscillator | Diyala Journal of Engineering Science, Vol. 08, No. 01, pp. 98-109, March 2015 | Published by Diyala University, Iraq. | 1999-8716 |
| 9 | Design Analog Active – RC Electronic Low Pass Filter LPF | Diyala Journal for Engineering Sciences, 2011 | Published by Diyala University, Iraq. |  |

 |
| Publications:**Conference**  |

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **اسم المؤتمر** | **عنوان البحث** | **جهة النشر** |
| 1 | International Symposium on Multidisciplinary Studies and Innovative Technologies | Design and Simulation of H Shape and Duplicate U Shape Slots Microstrip Patch Antenna for WiMAX Applications | IEEE, Turkey, Oct 21, 2021 -Oct 23, 2021. |
| 2 | 2021 International Conference on Artificial Intelligence and Mechatronics Systems (AIMS) | Factors Influencing the Shadow Path Loss Model with Different Antenna Gains Over Large-Scale Fading Channel | IEEE, 2021. |
| 3 | 2018 Future of information and Communication Conference, FICC, | Performance Enhancement of MIMO – MGSTC Using a New Detection and Decoding Technique | springer Nature Switzerland AG |
| 4 | 3rd International Symposium on Multidisciplinary Studies and Innovative Technologies, | Effects of Polymer Thickness and Frequency on the TE-Mode Using Slab Waveguide | IEEE, Ankara, Turkey , ISMSIT |
| 5 | 2nd International Symposium on Multidisciplinary Studies and Innovative Technologies, Turkey, ISMSIT 2018. | Study on Various Antenna Configurations | IEEE, Ankara, Turkey , ISMSIT |
| 6 | International Iraqi Conference on Engineering Technology and its application (IICETA), Najaf, Iraq, May 2018. | Reliability Enhancement without Employing STCs of a $3×3 $MIMO Communication System Using a Parallel Decoding Technique | IEEE, 2018 |
| 7 | المؤتمر العلمي الاول للعلوم الهندسية, كلية الهندسة, جامعة ديالى, كانون الاول, 22-23, 2010 | Design Analog Active – RC Electronic Low Pass Filter LPF | Diyala Journal for Engineering Sciences, special issue. |
| 8 | المؤتمر العلمي للعلوم الهندسية, كلية الهندسة, جامعة ديالى, 2015 | Design and Implementation of OP-AMP-RC Sine Wave Oscillator | Diyala Journal for Engineering Sciences, special issue. |

 |

More information about my scientific activity can be found via links below:

|  |  |
| --- | --- |
| Scopus  | <https://www.scopus.com/authid/detail.uri?authorId=57204874896> |
| Research Gate  | <https://www.researchgate.net/profile/Wurod-Qasim-Mohamed>  |
| Google Scholar  | <https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=GSc05uAAAAAJ> |
| **ORCID ID** |  <https://orcid.org/0000-0003-2421-1534> |
| Publons  | <https://publons.com/researcher/2066213/wurod-qasim-mohamed/> |