|  |  |  |
| --- | --- | --- |
| Wurod Qasim Mohamed  Wurod Qasim Mohamed Mohamed  M.Sc. in  Department of Electronic Engineering,  College of Engineering, University of Diyala,  Baqubah, Diyala Province, Iraq  [wurod@uodiyala.edu.iq](mailto:wurod@uodiyala.edu.iq)  wurod89@gmail.com | | |
| Personal  Information | * 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, 2017 California 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) 2011 University 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 2016  Teacher 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 MIMO Communication Systems | International Journal on Recent and Innovation Trends in Computing and Communication (IJRITCC), |  | ISSN: 2321-8169  July 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 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/> |