

# البحوث المنشورة للعام الدراسي 2020-2021

| رقم البحث | العنوان  | المؤلفون   | العدد | الصفحة | المجلة  | التصنيف            |
|-----------|--|--|-------|--------|---|--------------------|
| 1         | Automated Contrast Enhancement of the MRI Tumor Images   | Mustafa I. Jallouh, Mustafa Saad   | 2020  | 1000   | Image Processing, MRI, Fuzzy inference system   | الهندسة الكهربائية |
| 2         | Automated selection the specific noise of the ultrasonic ultrasound images of Muscles and Tendons  | Mustafa I. Jallouh, Mustafa Saad   | 2020  | 1000   | Image noise, ultrasound image, Wavelets and fuzzy inference system                      | الهندسة الكهربائية |
| 3         | MRI tumor edge detection based on Fuzzy inference technique  | Mustafa I. Jallouh, Mustafa Saad   | 2020  | 1000   | MRI, Fuzzy inference system, edge detection   | الهندسة الكهربائية |
| 4         | Method of contrast enhancement of Musculoskeletal ultrasound imaging based on fuzzy inference technique  | Mustafa I. Jallouh, Mustafa Saad, Charles R. Day, Edward K. Yu               | 2017  | 1017   | Image noise, ultrasound image, Fuzzy inference system                                   | الهندسة الكهربائية |
| 5         | A proactive time management approach in the strider service evaluation   | Mustafa I. Jallouh, Mustafa Saad   | 2020  | 1011   | Time, fuzzy inference system, service quality   | الهندسة الكهربائية |
| 6         | Automated analysis of quality index for CTCTE to assess different countries  | Mustafa I. Jallouh   | 2020  | 1011   | CTCTE, countries, index, quality index  | الهندسة الكهربائية |
| 7         | Automated Ultrasound Tumor Enhancement   | Mustafa I. Jallouh, Mustafa Saad, Charles R. Day, Edward K. Yu               | 2020  | 1020   | Ultrasound tumor, Fuzzy inference system  | الهندسة الكهربائية |
| 8         | Automated measurements highlighting  | Mustafa I. Jallouh, Mustafa Saad, Charles R. Day, Edward K. Yu               | 2020  | 1020   | Automated measurements, highlighting  | الهندسة الكهربائية |
| 9         | Early prediction of diabetic type 2 based on fuzzy technique   | Mustafa I. Jallouh   | 2020  | 1020   | Diabetic type 2, fuzzy inference system   | الهندسة الكهربائية |
| 10        | Melanocytoma image Segmentation  | Mustafa I. Jallouh and Jason H. Stewart                                      | 2020  | 1020   | Melanocytoma image Segmentation   | الهندسة الكهربائية |
| 11        | An Iron-Cored Transformer Magnetic Characteristics Measuring Circuit   | Mustafa Saad, Ahmad Al-Jarrah, Jassim H. Al-Husseini, Mustafa K. Al-Husseini | 2020  | 1020   | Electromagnetic Research, Nonlinearity, Regenerative Core, Transformer Energy           | الهندسة الكهربائية |
| 12        | Dependence of Generalized Regression Models for a Single-Corner Open System with 10 Steps 90 Bars  | Mustafa Saad, Ahmad Al-Jarrah, Jassim H. Al-Husseini, Mustafa K. Al-Husseini | 2020  | 1020   | Regression model, Generalized Regression Model, Dependence                              | الهندسة الكهربائية |
| 13        | Application of artificial neural networks with cluster computing in generating smart scheduling in cluster CTCTE                                     | Mustafa Saad, Ahmad Al-Jarrah, Jassim H. Al-Husseini, Mustafa K. Al-Husseini | 2020  | 1020   | Artificial intelligence, Cluster computing, CTCTE, In, Smart scheduling                 | الهندسة الكهربائية |
| 14        | Electromagnetic field distribution for beam filling and distribution using 400 MHz resonant slots  | Mustafa Saad, Ahmad Al-Jarrah, Jassim H. Al-Husseini, Mustafa K. Al-Husseini | 2020  | 1020   | Beam filling, Resonant slots, Electromagnetic field, Slot                               | الهندسة الكهربائية |
| 15        | Analysis on The Dependence of Propagator and Propagator Eigen Values on a Coarse Tuning Strategy (CTSE) Substrate                                    | Mustafa Saad, Ahmad Al-Jarrah, Jassim H. Al-Husseini, Mustafa K. Al-Husseini | 2020  | 1020   | Analysis, Dependence, Propagator, Eigen Values, Coarse Tuning Strategy (CTSE) Substrate | الهندسة الكهربائية |
| 16        | No dependence of 2-optimized beam using ERM and MRM  | Mustafa Saad, Ahmad Al-Jarrah, Jassim H. Al-Husseini, Mustafa K. Al-Husseini | 2020  | 1020   | ERM, MRM, No dependence of 2-optimized beam using ERM and MRM                           | الهندسة الكهربائية |
| 17        | Enhanced Particle Swarm Optimization for Maximum Power Point Tracking in Photovoltaic System Under Partial Shading Conditions                        | Mustafa Saad, Ahmad Al-Jarrah, Jassim H. Al-Husseini, Mustafa K. Al-Husseini | 2020  | 1020   | Maximum power point tracking, Particle swarm optimization, Partial shading conditions   | الهندسة الكهربائية |
| 18        | Maximum Power Point Tracking Method for Photovoltaic System Based on Enhanced Particle Swarm Optimization Algorithm Under Partial Shading Conditions | Mustafa Saad, Ahmad Al-Jarrah, Jassim H. Al-Husseini, Mustafa K. Al-Husseini | 2020  | 1020   | Maximum power point tracking, Particle swarm optimization, Partial shading conditions   | الهندسة الكهربائية |