

## الخطة البحثية لقسم التقنيات الكهربائية للعام الدراسي 2021-2022

| ت | اسم الباحث      | اسم الباحث كما ورد في البحث | اسم البحث                                                                                                                            | اسم المجلة                                                                                                                                                                                        | سنة النشر   | نوع البحث |     |      |        |
|---|-----------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|-----|------|--------|
|   |                 |                             |                                                                                                                                      |                                                                                                                                                                                                   |             | scops     | wos | محلي | تطبيقي |
| 1 | محمود حاكم عناد | Mahmood H. Enad             | AN INTELLIGENT DECISION TO EXAMINE SKIN IRREGULARITY IMAGES IN DIFFERENT TUMOURS TO TEST THE BEST MULTI-LEVELS THRESHOLDING USING MF | Turkish Journal of Physiotherapy and Rehabilitation and the 1st International Quality Conference (IQCTIK2021) which will be held on 25-26 August 2021 in the Technical Institute of Karbala, Iraq | 2021 - 2022 | ✓         |     |      |        |
| 2 | خالد حتوم صوين  | K.H.Swain                   | THE IMPACT OF PLOWING DEPTH AND SOIL MOISTURE ON SOME TECHNICAL INDICATORS AT USING DISK PLOW                                        | Int. J. Agricult. Stat. Sci. Vol. 17, No. 1, pp. 177-180, 2021<br>www.connectjournals.com/ijass DocID: https://connectjournals.com/03899.2021.1<br>7.177 ISSN : 0973-1903, e-ISSN : 0976-3392     | 2021 - 2022 | ✓         |     |      |        |
| 3 | عدنان حسن طوفان | Adnan Tawafan               | Inspection based risk management of electric distribution overhead lines                                                             | IAES International journal of Artificial Intelligence (IJ-AI)                                                                                                                                     | 2021 - 2022 | ✓         |     |      |        |
| 4 | فاطمة كاظم عبد  | Fatima Kadhem Abd           | Inspection based risk management of electric distribution overhead lines                                                             | IAES International journal of Artificial Intelligence (IJ-AI)                                                                                                                                     | 2021 - 2022 | ✓         |     |      |        |



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| ت | اسم الباحث            | اسم الباحث كما ورد في البحث | اسم الباحث الاجنبي | اسم البحث                                                                                                                          | اسم المجلة                                                                                                                                                                                    | سنة النشر   | نوع البحث |     |      |        |
|---|-----------------------|-----------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|-----|------|--------|
|   |                       |                             |                    |                                                                                                                                    |                                                                                                                                                                                               |             | scops     | wos | محلي | تطبيقي |
| 1 | خالد حتوم صوين        | K.H.Swain                   |                    | The Impact of Plowing Depth and Soil Moisture on Some Technical Indicators at Using Disk Plow                                      | Int. J. Agricult. Stat. Sci. Vol. 17, No. 1, pp. 177-180, 2021<br>www.connectjournals.com/ijass DocID: https://connectjournals.com/03899.2021.1<br>7.177 ISSN : 0973-1903, e-ISSN : 0976-3392 | 2020 - 2021 | ✓         |     |      |        |
| 2 | عبد الكاظم عزيز سلمان | A. A. Salman                |                    | Space time orthogonal frequency division multiplexing with Quasi dynamic adaptive switching modulation in power line communication | Journal of Green Engineering (JGE)                                                                                                                                                            | 2020 - 2021 | ✓         |     |      |        |
| 3 | عبد الكاظم عزيز سلمان | A. A. Salman                |                    | ADAPTIVE TRANSMISSION TECHNIQUES FOR MULTIPLE-INPUT MULTIPLE-OUTPUT (MIMO) POWER LINE COMMUNICATIONS (PLC) CHANNEL                 | solid state technology, Vol. 63 No. 6 (2020)                                                                                                                                                  | 2020 - 2021 | ✓         |     |      |        |
| 4 | عبد الكاظم عزيز سلمان | A. A. Salman                |                    | Arabic Speaker Recognition using HMM                                                                                               | Indonesian Journal of Electrical Engineering and Computer Science                                                                                                                             | 2020 - 2021 | ✓         |     |      |        |

|  |  |  |   |                   |                                                                                                                                                                                                                      |                                                                                                                                                               |  |                         |                       |   |
|--|--|--|---|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------|-----------------------|---|
|  |  |  | ✓ | 2020<br>-<br>2021 | TELKOMNIKA Telecommunication,<br>Computing, Electronics and Control                                                                                                                                                  | Developed approach for<br>phase-based Eulerian video<br>magnification                                                                                         |  | Zaid Jabbar<br>Al-allaq | زيد جبار              | 5 |
|  |  |  | ✓ | 2020<br>-<br>2021 | International Journal of Electrical and<br>Computer Engineering (IJECE)                                                                                                                                              | Efficient denoising<br>approach based Eulerian<br>video magnification for<br>colour and motion<br>variations                                                  |  | Zaid Jabbar<br>Al-allaq | زيد جبار              | 6 |
|  |  |  | ✓ | 2020<br>-<br>2021 | IAES International journal of Artificial<br>Intelligence (IJ-AI)                                                                                                                                                     | Inspection based risk<br>management of electric<br>distribution overhead lines                                                                                |  | Adnan<br>Tawafan        | عدنان<br>حسن<br>طوفان | 7 |
|  |  |  | ✓ | 2020<br>-<br>2021 | IAES International journal of Artificial<br>Intelligence (IJ-AI)                                                                                                                                                     | Inspection based risk<br>management of electric<br>distribution overhead lines                                                                                |  | Fatima<br>Kadhem<br>Abd | فاطمة<br>كاظم عبد     | 8 |
|  |  |  | ✓ | 2020<br>-<br>2021 | Turkish Journal of Physiotherapy and<br>Rehabilitation<br>and<br>the 1st International Quality Conference<br>(IQCTIK2021) which will be held on 25-<br>26 August 2021 in the Technical Institute<br>of Karbala, Iraq | AN INTELLIGENT<br>DECISION TO EXAMINE<br>SKIN IRREGULARITY<br>IMAGES IN DIFFERENT<br>TUMOURS TO TEST<br>THE BEST MULTI-<br>LEVELS<br>THRESHOLDING USING<br>MF |  | Mahmood<br>H. Enad      | محمود<br>حاكم<br>عناد | 9 |

## الخطة البحثية لقسم التقنيات الكهربائية للعام الدراسي 2019-2020

| رابط البحث                                                                                                                                                                                                                        | نوع البحث |      |     |        | سنة النشر   | اسم المجلة                                                                                                                                                                                             | اسم البحث                                                                                                                                    | اسم الباحث الاجنبي | اسم الباحث كما ورد في البحث | اسم الباحث               | ت |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|-----|--------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------|--------------------------|---|
|                                                                                                                                                                                                                                   | تطبيقي    | محلي | WOS | Scopus |             |                                                                                                                                                                                                        |                                                                                                                                              |                    |                             |                          |   |
| <a href="https://ieeexplore.ieee.org/abstract/document/8700998/">https://ieeexplore.ieee.org/abstract/document/8700998/</a>                                                                                                       |           |      |     | ✓      | 2019 - 2020 | IEEE MTT-S International Microwave Symposium (IMS)                                                                                                                                                     | Global Behavioural Model Generation Using Coefficients Interpolation                                                                         | Paul Tasker        | Thoalfukar Hussein          | ذو الفقار حميد عبد الرضا | 1 |
| <a href="https://ieeexplore.ieee.org/abstract/document/8708726/">https://ieeexplore.ieee.org/abstract/document/8708726/</a>                                                                                                       |           |      |     | ✓      | 2019 - 2020 | IEEE Topical Conference on RF/Microwave Power Amplifiers for Radio and Wireless Applications (PAWR)                                                                                                    | Cardiff Behavioural Model Analysis using a TwoTone Stimulus                                                                                  | Johannes Benedikt  | Thoalfukar Hussein          | ذو الفقار حميد عبد الرضا | 2 |
| <a href="https://ieeexplore.ieee.org/abstract/document/8700779/">https://ieeexplore.ieee.org/abstract/document/8700779/</a>                                                                                                       |           |      |     | ✓      | 2019 - 2020 | IEEE MTT-S International Microwave Symposium (IMS)                                                                                                                                                     | Behavioural Model Extraction using Novel Multitone Active Load-pull                                                                          | Johannes Benedikt  | Thoalfukar Hussein          | ذو الفقار حميد عبد الرضا | 3 |
| <a href="https://www.proquest.com/openview/3c5b238217ecd23beed1c5ddc5a5d630/1?pq-origsite=gscholar&amp;cbl=4998669">https://www.proquest.com/openview/3c5b238217ecd23beed1c5ddc5a5d630/1?pq-origsite=gscholar&amp;cbl=4998669</a> |           |      |     | ✓      | 2019 - 2020 | International Conference on Agricultural Sciences IOP Conf. Series: Earth and Environmental Science 388 (2019) 012049 IOP Publishing doi:10.1088/1755-1315/388/1/012049                                | The Effect of Tillage and Pulverization Equipment on Beans Growth and Some Technical Indication for Machinery Unit.                          |                    | Swain, K.H.                 | خالد حتوم صوين           | 4 |
| <a href="https://www.researchgate.net/publication/348558326">https://www.researchgate.net/publication/348558326</a>                                                                                                               |           |      |     | ✓      | 2019 - 2020 | Int. J. Agricult. Stat. Sci. Vol. 16, Supplement 1, pp. 1811-1814, 2020<br>www.connectjournals.com/ijass<br>DocID: https://connectjournals.com/03899.2020.16.1811 ISSN : 0973-1903, e-ISSN : 0976-3392 | STUDY EVALUATION AND ANALYSIS OF THE PROPERTIES OF SOME PERFORMANCE STANDARDS FOR AGRICULTURAL TRACTOR AND SORGHUM BICOLOR (L.) MOENCH YIELD |                    | Swain, K.H.                 | خالد حتوم صوين           | 5 |

## الخطة البحثية لقسم التقنيات الكهربائية للعام الدراسي 2019-2020

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| <a href="https://solidstatetechnology.us/index.php/JSS/article/view/562">https://solidstatetechnology.us/index.php/JSS/article/view/562</a>       |  |  | ✓ | 2020 | solid state technology vol. 63 No. 1 (2020)                                                                                                                                         | Performance Analysis of IoT based Health Monitoring System using Latte panda Single Board Computer  |  | Hussain Salah Hassan                      | حسين صلاح حسن                     | 6  |
| <a href="https://iopscience.iop.org/article/10.1088/1757-899X/745/1/012047">https://iopscience.iop.org/article/10.1088/1757-899X/745/1/012047</a> |  |  | ✓ | 2020 | The Fourth Postgraduate Engineering Conference                                                                                                                                      | An improved Performance of Segmentation Evaluation Based on Feature Extraction using Kinect Sensors |  | Mahmood H. Enad                           | محمود حاكم عناد                   | 7  |
| <a href="https://iopscience.iop.org/article/10.1088/1757-899X/745/1/012098">https://iopscience.iop.org/article/10.1088/1757-899X/745/1/012098</a> |  |  | ✓ | 2020 | IOP Conference Series: Materials Science and Engineering, Volume 745, The Fourth Scientific Conference for Engineering and Postgraduate Research 16-17 December 2019, Baghdad, Iraq | A review ABCDE Evaluated the Model for Decision by Dermatologists for Skin Lesions using Bee Colony |  | Mahmood H. Enad                           | محمود حاكم عناد                   | 8  |
| <a href="http://ijeecs.iaescore.com/index.php/IJEECS/article/view/18428">http://ijeecs.iaescore.com/index.php/IJEECS/article/view/18428</a>       |  |  | ✓ | 2020 | Indonesian Journal of Electrical Engineering and Computer Science, Vol. 17, No. 3, pp. 1383-1389                                                                                    | Study of impact of art performance level of blue laser technology applications and its control      |  | Mahmood H. Enad                           | محمود حاكم عناد                   | 9  |
| <a href="https://ijpeds.iaescore.com/index.php/IJPEDS/article/view/20850">https://ijpeds.iaescore.com/index.php/IJPEDS/article/view/20850</a>     |  |  | ✓ | 2020 | International Journal of Power Electronics and Drive System (IJPEDS), Vol 11, No 4, pp 1693-1700                                                                                    | Experimental installation of wireless power transfer system based                                   |  | Adnan Hasan Tawafan<br>Fatima Kadhem Abd3 | عدنان طوفان حسن<br>فاطمة كاظم عبد | 10 |

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|                                                                                                                                       |  |  |  |   |      |                                                                                                             |                                                                                                     |                      |                     |                 |    |
|---------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---|------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------|---------------------|-----------------|----|
| <a href="https://ijai.iaescore.com/index.php/IJAI/article/view/20503">https://ijai.iaescore.com/index.php/IJAI/article/view/20503</a> |  |  |  | ✓ | 2020 | IAES International Journal of Artificial Intelligence (IJ-AI)<br>Vol. 9, No. 3, September 2020, pp. 409~416 | Optimization of detection of single line to ground fault by controlling peterson coil through ANFIS | Dur Muhamm ad Soomro | Adnan Hasan Tawafan | عدنان طوفان حسن | 11 |
| <a href="https://ijai.iaescore.com/index.php/IJAI/article/view/20513">https://ijai.iaescore.com/index.php/IJAI/article/view/20513</a> |  |  |  | ✓ | 2020 | IAES International Journal of Artificial Intelligence (IJ-AI)<br>Vol. 9, No. 4, December 2020, pp. 623~629  | Optimization of detection of a single line to ground fault based on ABCNN algorithm                 | Dur Muhamm ad Soomro | Adnan Hasan Tawafan | عدنان طوفان حسن | 12 |

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| ت | اسم الباحث               | اسم الباحث كما ورد في البحث | اسم الباحث الاجنبي | اسم البحث                                                                                                                       | اسم المجلة                                                                                                         | سنة النشر   | نوع البحث |     |      |        | رابط البحث                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---|--------------------------|-----------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------------|-----------|-----|------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   |                          |                             |                    |                                                                                                                                 |                                                                                                                    |             | Scopus    | WOS | محلي | تطبيقي |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1 | حيدر فضل عبد             | Hayder Fadhl Abed           |                    | Estimation of Energy Spectrum and Energy Deposition of Photons Emitted from Brachytherapy                                       | Indian Journal of Science and Technology, Vol 11(24), DOI: 10.17485/ijst/2018/v11i24/126940, June 2018             | 2018 - 2019 | ✓         |     |      | ✓      | <a href="https://sciresol.s3.us-east-2.amazonaws.com/IJST/Articles/2018/Issue-24/Article1.pdf">https://sciresol.s3.us-east-2.amazonaws.com/IJST/Articles/2018/Issue-24/Article1.pdf</a>                                                                                                                                                                                                                                                 |
| 2 | ذو الفقار حميد عبد الرضا | Thoalfukar Husseini         | Johannes Benedikt  | Automating the Accurate Extraction and Verification of the Cardiff Model via the Direct Measurement of Load-Pull Power Contours | IEEE MTT International Microwave Symposium (IMS)                                                                   | 2018 - 2019 | ✓         |     |      | ✓      | <a href="https://ieeexplore.ieee.org/abstract/document/8439581">https://ieeexplore.ieee.org/abstract/document/8439581</a>                                                                                                                                                                                                                                                                                                               |
| 3 | ذو الفقار حميد عبد الرضا | Thoalfukar Husseini         | James Bell         | On the Effective Modeling of the Test-Set Nonlinearity                                                                          | Microwave Measurement Conference (ARFTG)                                                                           | 2018 - 2019 | ✓         |     |      | ✓      | <a href="https://ieeexplore.ieee.org/abstract/document/8423832/">https://ieeexplore.ieee.org/abstract/document/8423832/</a>                                                                                                                                                                                                                                                                                                             |
| 4 | عبد الكاظم عزيز سلمان    | A. A. Salman                |                    | Performance Evaluation of OFDM Systems under PLC Fading Channel over Iraqi Grid for Variable PSK Modulation Index               | Journal of Engineering and Applied Sciences 13 (8): 2130-2136, 2018                                                | 2018 - 2019 | ✓         |     |      | ✓      |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 5 | عبد الكاظم عزيز سلمان    | A. A. Salman                |                    | Analysis and Theoretical Evaluation of Iraqi High Voltage Power Transmission Line                                               | Iraqi Journal of Computers, Communications, Control & Systems Engineering (IJCCCE), Vol. 18, No. 2, September 2018 | 2018 - 2019 | ✓         |     |      | ✓      | <a href="https://www.researchgate.net/profile/Abdulkadhim-Salman/publication/344259997_Analysis_and_Theoretical_Evaluation_of_Iraqi_High_Voltage_Power_Transmission_Line/links/5f6e09cfa6fdcc00863ac7a2/Analysis-and-">https://www.researchgate.net/profile/Abdulkadhim-Salman/publication/344259997_Analysis_and_Theoretical_Evaluation_of_Iraqi_High_Voltage_Power_Transmission_Line/links/5f6e09cfa6fdcc00863ac7a2/Analysis-and-</a> |



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|--------------------------------------------------------------------------|--|--|--|---|-------------|---------------------------------------------------------------|------------------------------------------------------------------------|----------------------|---------------|-----------------|---|
| Theoretical-Evaluation-of-Iraqi-High-Voltage-Power-Transmission-Line.pdf |  |  |  |   |             |                                                               |                                                                        |                      |               |                 |   |
| https://medwelljournals.com/abstract/?doi=jeasci.2019.10058.10066        |  |  |  | ✓ | 2018 - 2019 | Journal of Engineering and Applied Sciences 14(7):10058-10066 | Methods in Single Phase to Ground Faults on Power Distribution Systems | Dur Muhamm ad Soomro | Adnan Tawafan | عدنان طوفان حسن | 6 |