

| الباحث                                             | اسم البحث                                                                                                                                 |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| يعرب محمد مذبوب                                    | Design of Electronic Circuits by Using MIM Waveguide Nano -Strips for Different Applications                                              |
| د.ومض جليل مزهر                                    | performance and analysis of the altitude for optical channel drones                                                                       |
| د.ومض جليل مزهر                                    | hovering drones based fso technology in weak atmospheric turbulence with pointing error                                                   |
| د.ومض جليل مزهر                                    | impact of pointing error on siso\miso drones swarm-based free space optical system in weak turbulence regime                              |
| يعرب محمد مذبوب                                    | development of a self-regulating oxygen breathing system                                                                                  |
| نائب فيصل حسين / غادة غالب عبدالهادي               | Advanced Grid-Forming MMC control with Adaptive Virtual Inertia                                                                           |
| نائب فيصل حسين                                     | Project Proposal:Advanced MATLAB Implementation of EV Charging with Stochastic&Learning Extensions                                        |
| د. مهند هاشم موسى / عقيل رويح حسن/صابرين جبار فايز | Improving soft soil performance by inclusion PVA based nano composite                                                                     |
| د. وميض جليل مزهر                                  | Feature selection: Binary harris hawk optimizer based biomedical datasets                                                                 |
| د. وميض جليل مزهر                                  | AIoT in healthcare: A systematic mapping study                                                                                            |
| د. وميض جليل مزهر                                  | Modified Harris Hawks optimizer for feature selection and support vector machine kernels                                                  |
| د. وميض جليل مزهر                                  | Hybrid feature selection approach based on firefly algorithm and simulated annealing for cancer datasets                                  |
| د. وميض جليل مزهر                                  | MPA-SVM: An Effective Feature Selection Approach for High-Dimensional Datasets                                                            |
| د. وميض جليل مزهر                                  | Boosting Multiverse Optimizer by Simulated Annealing for Dimensionality Reduction.                                                        |
| يعرب محمد مذبوب                                    | Compact MIM plasmonic structure for 2-bit optical- power digital to analog conversion                                                     |
| يعرب محمد مذبوب                                    | Design of a Compact Dual -Band Narrowband MIM Plasmonic Filter for Refractive- Index Sensing Applications                                 |
| غادة غالب عبدالهادي                                | Development of an Intelligent Algorithm for Fault Detection and location in Composite Transmission Lines within a Smart Grid Environment  |
| غادة غالب عبدالهادي                                | Model Predictive Control (MPC) Strategy for Multi-Port Smart Transformers to Enhance Dynamic Power Flow and Fault Ride-Through Capability |
| يعرب محمد مذبوب                                    | Healthcare Monitoring-based Internet of Things (IOT)                                                                                      |