



## Assoc. Prof. Dr. Ali Thaeer Hammid

University of Diyala  
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TITLE	CITED BY	YEAR
<a href="#">The pathogenicity of COVID-19 and the role of pentraxin-3: An updated review study</a> <span style="background-color: #ffeb3b; border-radius: 50%; padding: 2px;">Q2</span> <span style="background-color: #ffc107; border-radius: 50%; padding: 2px;">1</span> R Margiana, SK Sharma, BI Khan, AA Alameri, MJC Opulencia, ... Pathology-Research and Practice 154128	209	
<a href="#">Overview of the oxygenated fuels in spark ignition engine: Environmental and performance</a> <span style="background-color: #4caf50; border-radius: 50%; padding: 2px;">Q1</span> <span style="background-color: #ffc107; border-radius: 50%; padding: 2px;">2</span> OI Awad, R Mamat, TK Ibrahim, AT Hammid, IM Yusri, MA Hamidi, ... Renewable and Sustainable Energy Reviews 91, 394-408	128	2018
<a href="#">Prediction of small hydropower plant power production in Himreen Lake dam (HLD) using artificial neural network</a> <span style="background-color: #4caf50; border-radius: 50%; padding: 2px;">Q1</span> AT Hammid, MHB Sulaiman, AN Abdalla Alexandria engineering journal 57 (1), 211-221	116	2018
<a href="#">Graphene and carbon structures and nanomaterials for energy storage</a> <span style="background-color: #ffeb3b; border-radius: 50%; padding: 2px;">Q2</span> <span style="background-color: #ffc107; border-radius: 50%; padding: 2px;">1</span> OD Salahdin, H Sayadi, R Solanki, RMR Parra, M Al-Thamir, AT Jalil, ... Applied Physics A 128 (8), 703	60	2022
<a href="#">A review of optimization algorithms in solving hydro generation scheduling problems</a> <span style="background-color: #4caf50; border-radius: 50%; padding: 2px;">Q1</span> <span style="background-color: #ffc107; border-radius: 50%; padding: 2px;">2</span> A Thaeer Hammid, OI Awad, MH Sulaiman, SS Gunasekaran, SA Mostafa, ... Energies 13 (11), 2787	56	2020
<a href="#">Load frequency control for hydropower plants using pid controller</a> <span style="background-color: #9e9e9e; border-radius: 50%; padding: 2px;">NA</span> AT Hammid, M Hojabri, MH Sulaiman, AN Abdalla, AA Kadhim Journal of Telecommunication, Electronic and Computer Engineering (JTEC) 8 ...	41	2016
<a href="#">RETRACTED ARTICLE: Association of cord blood asprosin concentration with atherogenic lipid profile and anthropometric indices</a> <span style="background-color: #4caf50; border-radius: 50%; padding: 2px;">Q1</span> <span style="background-color: #ffc107; border-radius: 50%; padding: 2px;">1</span> HK Hussein, NM Aubead, HH Kzar, YS Karim, AH Amin, ME Al-Gazally, ... Diabetology & metabolic syndrome 14 (1), 74	40	2022
<a href="#">Methods of chemical synthesis in the synthesis of nanomaterial and nanoparticles by the chemical deposition method: A review</a> <span style="background-color: #ff9800; border-radius: 50%; padding: 2px;">Q3</span> K Hachem, MJ Ansari, RO Saleh, HH Kzar, ME Al-Gazally, US Altimari, ... BioNanoScience 12 (3), 1032-1057	38	2022
<a href="#">A grasshopper optimization algorithm for optimal short-term hydrothermal scheduling</a> <span style="background-color: #4caf50; border-radius: 50%; padding: 2px;">Q1</span> <span style="background-color: #ffc107; border-radius: 50%; padding: 2px;">1</span> X Zeng, AT Hammid, NM Kumar, U Subramaniam, DJ Almakhlis Energy Reports 7, 314-323	38	2021
<a href="#">Implementation of El-Gamal algorithm for speech signals encryption and decryption</a> <span style="background-color: #ffc107; border-radius: 50%; padding: 2px;">1</span> OA Imran, SF Yousif, IS Hameed, WNAD Abed, AT Hammid Procedia Computer Science 167, 1028-1037	38	2020
<a href="#">Operation of the Multiple Energy System with Optimal Coordination of the Consumers in Energy Market</a> <span style="background-color: #ff9800; border-radius: 50%; padding: 2px;">Q3</span> <span style="background-color: #ffc107; border-radius: 50%; padding: 2px;">1</span> NKA Dwijendra, IGNK Arsana, SIS Al-Hawary, AS Prakaash, RMR Parra, ... Environmental and Climate Technologies 27 (1), 1-13	33	2023
<a href="#">Effect of tomato consumption on inflammatory markers in health and disease status: A systematic review and meta-analysis of clinical trials</a> <span style="background-color: #ffeb3b; border-radius: 50%; padding: 2px;">Q2</span> <span style="background-color: #ffc107; border-radius: 50%; padding: 2px;">1</span> G Widjaja, M Rudiansyah, MQ Sultan, MJ Ansari, SE Izzat, MS Al Jaber, ... Clinical Nutrition ESPEN 50, 93-100	32	2022
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<a href="#">What is the influence of grape products on liver enzymes? A systematic review and meta-analysis of randomized controlled trials</a> <span style="background-color: #4caf50; border-radius: 50%; padding: 2px;">Q1</span> <span style="background-color: #ffc107; border-radius: 50%; padding: 2px;">1</span> S Ghaffar, MA Naqvi, A Fayyaz, MK Abid, KN Khayitov, AT Jalil, ... Complementary Therapies in Medicine 69, 102845	30	2022



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<a href="#">Impact of fusel oil moisture reduction on the fuel properties and combustion characteristics of SI engine fueled with gasoline-fusel oil blends</a> <span>Q1</span> <span>1</span>	29	2018
OI Awad, OM Ali, AT Hammid, R Mamat Renewable Energy 123, 79-91		
<a href="#">The emerging role of microbiota-derived short-chain fatty acids in immunometabolism</a> <span>Q1</span> <span>1</span>	28	2022
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<a href="#">Economic performance of a hybrid renewable energy system with optimal design of resources</a> <span>Q3</span> <span>1</span>	27	2022
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W Suksatan, HD Putera, AH Abdulkadhim, AT Hammid, JA Ismailov, ... Clinical Nutrition ESPEN 49, 121-128		
<a href="#">A robust firefly algorithm with backpropagation neural networks for solving hydrogenation prediction</a> <span>Q2</span> <span>1</span>	24	2018
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AN Abdalla, OI Awad, H Tao, TK Ibrahim, R Mamat, AT Hammid Energy Sources, Part A: Recovery, Utilization, and Environmental Effects 41 ...		
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<a href="#">Electrospun Ta-MOF/PEBA nanohybrids and their CH4 adsorption application</a> <span>Q1</span>	17	2022
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OD Salahdin, A Majdi, MJC Opuencia, TZ Taban, AT Hammid, X Zhao Ionics 28 (7), 3409-3419		
<a href="#">Investigation of crotonaldehyde adsorption on pure and Pd-decorated GaN nanotubes: A density functional theory study</a> <span>Q2</span> <span>1</span>	15	2022
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<p><b>Concanavalin A as a promising lectin-based anti-cancer agent: the molecular mechanisms and therapeutic potential</b> <span>Q1</span> <span>1</span></p> <p>H Huldani, AI Rashid, KN Turaev, MJC Opolencia, WK Abdelbasset, ... Cell Communication and Signaling 20 (1), 167</p>	14	2022
<p><b>Role of Acute Myeloid Leukemia (AML)-Derived exosomes in tumor progression and survival</b> <span>Q1</span> <span>1</span></p> <p>AH Amin, LM Al Sharifi, AJ Kakhharov, MJC Opolencia, F Alsaikhan, ... Biomedicine &amp; Pharmacotherapy 150, 113009</p>	14	2022
<p><b>Applications of tuning control actions for the efficient load/frequency control in steam turbine</b> <span>NA</span></p> <p>AT Hammid International Journal of Current Engineering and Technology 3 (5), 1895-1898</p>	14	2013
<p><b>Design Remote Power Control I/O Data Acquisition System and Control on Home Automation</b> <span>NA</span></p> <p>AT Hammid, AK Bhardwaj, S Prakash International Journal of Electronics Communication and Computer Engineering ...</p>	13	2013
<p><b>A novel combined power generation and argon liquefaction system; investigation and optimization of energy, exergy, and entransy phenomena</b> <span>Q1</span> <span>1</span></p> <p>A Sari, WK Abdelbasset, H Sharma, MJC Opolencia, M Feyzbaxsh, ... Journal of Energy Storage 50, 104613</p>	12	2022
<p><b>Optimum Power Production of Small Hydropower Plant (SHP) using Firefly Algorithm (FA) in Himreen Lake Dam (HLD), Eastern Iraq</b> <span>Q1</span></p> <p>AT Hammid, MHB Sulaiman, AA Kadhim Research Journal of Applied Sciences 12 (10), 455-466</p>	12	2017
<p><b>Priority of Kaplan Turbine and Small Hydropower Plants over Other Resources: An Overview</b> <span>Q1</span></p> <p>AT Hammid, MHB Sulaiman, AA Kadhim, AN Kareem, KJ Jadaa Journal of Engineering and Applied Sciences 12 (9 SI), 8695-8705</p>	12	2017
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<p><b>Direct on Line Starter Motor and Reverse System in Allen-Bradley PLC</b> <span>NA</span></p> <p>AT Hammid Diyala Journal for Pure Sciences (DJPS) 12 (4), 132-148</p>	10	2016
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<p><b>A smart building with integrated energy management: Steps toward the creation of a smart city</b> <span>Q1</span> <span>1</span></p> <p>A Majdi, NKA Dwijendra, I Muda, P Chetthamrongchal, R Sivaraman, ... Sustainable Energy Technologies and Assessments 53, 102663</p>	8	2022
<p><b>Khusniddin Fakhrriddinovich Uktamov A novel combined power generation and argon liquefaction system; investigation and optimization of energy, exergy, and entransy phenomena</b> <span>Q1</span> <span>1</span></p> <p>A Sari, WK Abdelbasset, H Sharma, MJC Opolencia, M Feyzbaxsh, ... Journal of Energy Storage 50, 104613</p>	8	2022
<p><b>Shining the light on mesenchymal stem cell-derived exosomes in breast cancer</b> <span>Q1</span> <span>1</span></p> <p>GRL Al-Awsi, F Alsaikhan, R Margiana, I Ahmad, I Patra, MAA Najm, ... Stem Cell Research &amp; Therapy 14 (1), 21</p>	7	2023
<p><b>Estimation of thermomechanical fatigue lifetime of ball grid solder joints in electronic devices using a machine learning approach</b> <span>Q2</span> <span>1</span></p> <p>TC Chen, MJC Opolencia, HS Majdi, AT Hammid, H Sharma, S Sajjadifar, ... Journal of Electronic Materials 51 (7), 3495-3503</p>	7	2022
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<p><b>Control on Hydropower Plant Modeling using Fuzzy Neural Network based on Normalized Firefly Algorithm</b> <span>1</span></p> <p>AT Hammid, MHB Sulaiman, YK Hameed Journal of Advanced Research in Dynamical and Control Systems 10 (10-Special ...</p>	7	2018
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<b>Synthesis and characterization of new 1, 4-dihydropyran derivatives by novel Ta-MOF nanostructures as reusable nanocatalyst with antimicrobial activity</b> <span>Q1</span>	5	2022
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<b>Reduction of Seepage Risks by Investigation into Different Lengths and Positions for Cutoff Wall and Horizontal Drainage (Case Study: Sattarkhan Dam)</b> <span>Q2</span> <span>1</span>	5	2022
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<b>Utilization of additive from waste products with gasoline fuel to operate spark ignition engine</b> <span>Q1</span> <span>1</span>	5	2022
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<b>Optimization of doubly-fed induction generator (DFIG) based wind turbine to achieve maximum power generation with imperialist competitive algorithm (ICA)</b> <span>Q2</span>	4	2022
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<b>Control of Hydropower Plant Modeling using Fuzzy Neural Network based on Tuning Membership Function</b> <span>1</span>	4	2018
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AT Hammid, MHB Sulaiman, AA Jasim Journal of Advanced Research in Dynamical and Control Systems 10 (10-Special ...		
<b>Salp swarm algorithm to solve Short-Term hydrothermal scheduling problem</b> <span>1</span>	3	2023
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<b>A novel nanocomposite based on Collagen-rafinose hydrogel, embedded with carbon nitride nanosheets and ZnFe layered double hydroxides with less toxicity, antibacterial ...</b> <span>Q1</span> <span>1</span> RH Althomali, YQ Almajidi, EAM Saleh, AT Hammid, I Ahmad, HE Yeslam, ... Journal of Drug Delivery Science and Technology 89, 105038	2	2023
<b>Type 2 alveolar epithelial cell-derived circulating extracellular vesicle-encapsulated surfactant protein C as a mediator of cardiac inflammation in COVID-19</b> <span>Q1</span> <span>1</span> M Radiansyah, EM Terefe, MJC Opolencia, WK Abdelbasset, DO Bokov, ... Inflammation Research 71 (9), 1003-1009	2	2022
<b>Effects of short-term exposure to the heavy metal, nickel chloride (NiCl<sub>2</sub>) on gill histology and osmoregulation components of the gray mullet, Mugil cephalus</b> <span>Q1</span> <span>1</span> SA Jasim, S Golgouneh, MM Jaber, SI Indiaminov, F Alsaikhan, ... Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology ...	2	2022
<b>Gallium and scandium doping effect on the sensing performance of aluminum phosphide nanotubes toward toxic ethylene oxide gas</b> <span>1</span> SA Jasim, ME Al-Gazally, HS Majdi, YS Karim, MJC Opolencia, ... Physics Letters A 441, 128145	2	2022
<b>Perspectives and Trends in Advanced MXenes-Based Optical Biosensors for the Recognition of Food Contaminants</b> <span>Q2</span> <span>1</span> I Patra, K Madjeed Kammoud, Z Haleem Al-qaim, II Mamadoliev, ... Critical Reviews in Analytical Chemistry, 1-20	2	2022
<b>Optimization and Control of Hydro Generation Scheduling using Hybrid Firefly Algorithm and Particle Swarm Optimization Techniques</b> <span>NA</span> AT Hammid Universiti Malaysia Pahang	2	2018
<b>Investigation ways of causes needle sticks injuries, risk factors affecting on health and ways to preventive</b> <span>Q2</span> S Abdalkareem Jasim, A Thaeer Hammid, B Turgunpulatovich Daminov, ... Reviews on Environmental Health 38 (4), 629-636	1	2023
<b>Evaluation of Cholesterol Thickness of Blood Vessels Using Photoacoustic Technology</b> <span>Q2</span> <span>1</span> AK Salih, AH Alwan, MJC Opolencia, H Uinarni, FM Khamidova, ... BioMed Research International 2023	1	2023
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<b>Retraction notice to "Investigation of crotonaldehyde adsorption on pure and Pd-decorated GaN nanotubes: A density functional theory study"[Solid State Commun. 348–349,(2022 ...</b> <span>Q2</span> <span>1</span> SA Jasim, MJC Opolencia, A Majdi, DZ Yusupova, YF Mustafa, ... Solid State Communications, 115350		2023
<b>Intramolecular Cascade C–S Bond Formation: A Safe and New Strategy for the Synthesis of Riluzole Analogues Catalyzed by K<sub>2</sub>S<sub>2</sub>O<sub>8</sub></b> <span>Q3</span> <span>1</span>		2023

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<a href="#">Retraction notice to" The pathogenicity of COVID-19 and the role of pentraxin-3: An updated review study" Pathol.-Res. Pract. 238 (2022) 154128</a> <span>Q2</span> <span>1</span> R Margiana, SK Sharma, BI Khan, AA Alameri, MJC Oplencia, ... Pathology, research and practice, 154835		2023
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