

### Scientific activities-Petroleum engineering department

Research URL	Iraqi journals research	International journal research	Web of Science research	Scopus research	Published year	journal or conference	Research title	Researcher name	NO
<a href="https://www.iasj.net/iasj/article/178883">https://www.iasj.net/iasj/article/178883</a>	✓				2020	Basrah Journal for Engineering Sciences	Direct-Contact Evaporation Using Different Refrigerants: A Review	Hussein Sadeq Sultan	1
<a href="https://www.iasj.net/iasj/article/178884">https://www.iasj.net/iasj/article/178884</a>	✓				2020	Basrah Journal for Engineering Sciences	Studying the Effect of Perforation Parameters on Vertical Well Performance	Hussein Sadeq Sultan	2
<a href="https://www.iasj.net/iasj/article/169919">https://www.iasj.net/iasj/article/169919</a>	✓				2019	Basrah Journal for Engineering Sciences	Thermo-economic Impact from Using Exhaust Gases Heat Lost for Power Generation	Hussein Sadeq Sultan	3
<a href="http://journals.uokufa.edu.iq/index.php/kje/a">http://journals.uokufa.edu.iq/index.php/kje/a</a>	✓				2019	Kufa Journal of Engineering	PREDICTION OF HEAT TRANSFER CHARACTERISTICS FOR FORCED CONVECTION	Hussein Sadeq Sultan	4



<a href="#">rticle/view/8658</a>							PIPE FLOW USING ARTIFICIAL NEURAL NETWORKS		
<a href="http://journals.uokufa.edu.iq/index.php/kje/article/view/8661">http://journals.uokufa.edu.iq/index.php/kje/article/view/8661</a>	✓				2019	Kufa Journal of Engineering	THERMO-ECONOMIC IMPACT FROM USING EXHAUST GASES HEAT LOST FOR POWERING AN ABSORPTION REFRIGERATION SYSTEM USED FOR INLET AIR COOLING OF COMPRESSOR	Hussein Sadeq Sultan	5
<a href="https://iopscience.iop.org/article/10.1088/1757-899X/518/3/032037/meta">https://iopscience.iop.org/article/10.1088/1757-899X/518/3/032037/meta</a>				✓	2019	IOP Conference Series: Materials Science and Engineering	Numerical study of drilling fluids pressure drop in wellbores with pipe rotation	Hussein Sadeq Sultan	6
<a href="https://search.emarefa.net/en/detail/BIM-871606-experimental-study-of-direct-contact-evaporation-refrigerati">https://search.emarefa.net/en/detail/BIM-871606-experimental-study-of-direct-contact-evaporation-refrigerati</a>	✓				2017	Thi_Qar University Journal for Engineering Sciences	Experimental Study Of Direct Contact Evaporation Refrigeration System Using R-12	Hussein Sadeq Sultan Ammar Ali Ojimi (Ammar Ali Ujaymi) Amani J. Majeed (Amani Jalil Al-Husseini)	7
<a href="https://www.proquest.com/docview/2557204309">https://www.proquest.com/docview/2557204309</a>				✓	2018	IOP Conference Series: Materials Science and Engineering	Mechanical Properties Studies of Lower Part of Electric Poles that Support the Electrical Distribution Networks	Saad M. Potrous	8



<a href="https://www.academia.edu/39166838/Investigation_of_Toxic_Substance_in_Basra_Waters">https://www.academia.edu/39166838/Investigation_of_Toxic_Substance_in_Basra_Waters</a>		✓			2019	International Journal of Civil, Mechanical and Energy Science (IJCMES)	Investigation of Toxic Substance in Basra Waters	Saad M. Potrous	<b>9</b>
<a href="https://aip.scitation.org/doi/abs/10.1063/5.0000293">https://aip.scitation.org/doi/abs/10.1063/5.0000293</a>				✓	2020	AIP Conference Proceedings	Radioactive Pollution Studies for Soil Samples in the South of Basra Province	Saad M. Potrous	<b>10</b>
<a href="https://www.degruyter.com/document/doi/10.1515/joc-2018-0027/html">https://www.degruyter.com/document/doi/10.1515/joc-2018-0027/html</a>			✓	✓	2018	Journal of Optical Communication	Theory of Dispersion Reduction in Plastic Optical Gratings Fiber,	Hisham K. Hisham	<b>11</b>
<a href="https://www.iasj.net/iasj/download/3bced13381c2f227">https://www.iasj.net/iasj/download/3bced13381c2f227</a>	✓				2016	Iraq J. Electrical and Electronic Engineering	Numerical Analysis of Thermal Dependence of the Spectral Response of Polymer Optical Fiber Bragg Grating	Hisham K. Hisham	<b>12</b>
<a href="https://www.scirp.org/journal/paperinforcitation.aspx?paperid=68915">https://www.scirp.org/journal/paperinforcitation.aspx?paperid=68915</a>		✓			2016	Open Access Library Journal	Numerical Analysis of the Effect of Temperature and External Optical Feedback variation on the Output Characteristics of External Cavity Semiconductor Laser Based Fiber Bragg 11 Gratings	Hisham K. Hisham	<b>13</b>
<a href="https://www.researchgate.net/publication/305723772_Turn_On_Time_Reduction">https://www.researchgate.net/publication/305723772_Turn_On_Time_Reduction</a>	✓				2016	Iraq J. Electrical and Electronic Engineering	Turn_On Time Reduction in VCSELs by optimizing laser parameters	Hisham K. Hisham	<b>14</b>



<a href="#">ction in VCSELs by optimizing laser parameters</a>									
<a href="https://www.iasj.net/iasj/article/118379">https://www.iasj.net/iasj/article/118379</a>	✓				2016	Iraq J. Electrical and Electronic Engineering	Design Methodology for Reducing RIN Level in DFB Lasers, Iraq J. Electrical and Electronic Engineering	Hisham K. Hisham	15
<a href="https://www.researchgate.net/publication/318600866_Effect_of_Temperature_Variations_on_Strain_Response_of_Polymer_Bragg_Grating_Optical_Fiber">https://www.researchgate.net/publication/318600866_Effect_of_Temperature_Variations_on_Strain_Response_of_Polymer_Bragg_Grating_Optical_Fiber</a>	✓				2016	Iraq J. Electrical and Electronic Engineering	Effect of Temperature Variations on Strain Response of Polymer Bragg Grating Optical Fiber	Hisham K. Hisham	16
<a href="http://www.sciepub.com/reference/199088">http://www.sciepub.com/reference/199088</a>		✓			2017	American Journal of Sensor Technolog	Bandwidth Characteristics of FBG Sensors for Oil and Gas Application	Hisham K. Hisham	17
<a href="https://nahje.com/index.php/main/article/view/NJES21010045">https://nahje.com/index.php/main/article/view/NJES21010045</a>	✓				2018	Al-Nahrain Journal for Engineering Sciences (NJES),	Low Dispersion Performance of Plastic Fiber Grating using Genetic Algorithms	Hisham K. Hisham	18
<a href="https://kujss.iraqjournals.com/article_164286_39c2c625dbbacc23bc406d82ace9bba2a.pdf">https://kujss.iraqjournals.com/article_164286_39c2c625dbbacc23bc406d82ace9bba2a.pdf</a>	✓				2018	Kirkuk University Journal /Scientific Studies (KUJSS)	Theory of Mitigate Temperature Effect on the Equilibrium Point in Vertical Cavity Surface Emitting Lasers	Hisham K. Hisham	19

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<a href="https://engtechjournal.org/index.php/et/article/view/512">https://engtechjournal.org/index.php/et/article/view/512</a>	✓				2019	Engineering and Technology Journal	Controlling the Q-Point in Distributed Feedback Lasers Using a Numerical Optimization Methodology, Engineering and Technology Journal	Hisham K. Hisham	20
<a href="https://www.iasj.net/iasj/article/169931">https://www.iasj.net/iasj/article/169931</a>	✓				2019	Basrah Journal for Engineering Sciences	Hydrodynamics Behaviour of Single and Multi Fracture with Different Orientations in Petroleum Reservoir	Amani J. Majeed (Amani Jalil Al-Husseini)	21
<a href="https://link.springer.com/chapter/10.1007%2F978-981-13-8297-0_51">https://link.springer.com/chapter/10.1007%2F978-981-13-8297-0_51</a>			✓	✓	2020	Advances in Material Sciences and Engineering, Lecture Notes in Mechanical Engineering,	Fracturing Parameters in Petroleum Reservoirs and Simulation	Amani J. Majeed (Amani Jalil Al-Husseini)	22
<a href="https://doi.org/10.2118/197780-MS">https://doi.org/10.2118/197780-MS</a>				✓	2019	Abu Dhabi International Petroleum Exhibition & Conference	Integrating Digital Image Processing and Machine Learning for Estimating Rock Texture Characterization from Thin Section	Ethar H. K. Alkamil	23
<a href="https://doi.org/10.2118/197744-MS">https://doi.org/10.2118/197744-MS</a>				✓	2019	Abu Dhabi International Petroleum Exhibition & Conference	Can HVFRs Increase the Oil Recovery in Hydraulic Fractures Applications?	Ethar H. K. Alkamil	24
<a href="https://doi.org/10.2118/197748-MS">https://doi.org/10.2118/197748-MS</a>				✓	2019	Abu Dhabi International Petroleum Exhibition & Conference	Correlated Friction Reduction and Viscoelastic Characterization of Utilizing the Permian Produced Water with HVFRs during Hydraulic Fracturing	Ethar H. K. Alkamil	25



<a href="https://doi.org/10.2118/19752_1-MS">https://doi.org/10.2118/19752_1-MS</a>				✓	2019	Abu Dhabi International Petroleum Exhibition & Conference	Predicting Mean Time to Failure in Horizontal Wells through Metal Loss Analysis and Produced Water Composition	Ethar H. K. Alkamil	<b>26</b>
<a href="https://doi.org/10.2118/19766_3-MS">https://doi.org/10.2118/19766_3-MS</a>				✓	2019	Abu Dhabi International Petroleum Exhibition & Conference	Modeling Rate of Penetration using Artificial Intelligent System and Multiple Regression Analysis	Ethar H. K. Alkamil	<b>27</b>
<a href="https://doi.org/10.2118/19727_1-MS">https://doi.org/10.2118/19727_1-MS</a>				✓	2019	Abu Dhabi International Petroleum Exhibition & Conference	New Opportunities and Challenges to Discover and Develop Unconventional Plays in the Middle East and North Africa: Critical Review	Ethar H. K. Alkamil	<b>28</b>
<a href="https://doi.org/10.1016/j.procs.2018.10.330">https://doi.org/10.1016/j.procs.2018.10.330</a>			✓	✓	2018	Procedia Computer Science 140, 206-215	Learning from experience: An automatic pH neutralization system using hybrid fuzzy system and neural network	Ethar H. K. Alkamil	<b>29</b>
<a href="https://doi.org/10.2118/19109_7-MS">https://doi.org/10.2118/19109_7-MS</a>				✓	2018	IADC/SPE Asia Pacific Drilling Technology Conference and Exhibition	Learning from experience: Real-time H2S monitoring system using fuzzy ART unsupervised learning	Ethar H. K. Alkamil	<b>30</b>
<a href="https://doi.org/10.2118/19235_9-MS">https://doi.org/10.2118/19235_9-MS</a>				✓	2018	SPE Kingdom of Saudi Arabia Annual Technical Symposium and Exhibition	Using managed pressure drilling to reduce stuck pipe problem	Ethar H. K. Alkamil	<b>31</b>
<a href="https://doi.org/10.1016/j.petro.2018.03.057">https://doi.org/10.1016/j.petro.2018.03.057</a>			✓	✓	2018	Journal of Petroleum Science and Engineering 166, 406-419	Integrated approach using core analysis and wireline measurement to estimate rock mechanical	Ethar H. K. Alkamil	<b>32</b>



							properties of the Zubair Reservoir, Southern Iraq		
<a href="https://doi.org/10.1016/j.petro.2018.01.018">https://doi.org/10.1016/j.petro.2018.01.018</a>			✓	✓	2018	Journal of Petroleum Science and Engineering 663-67431164,	Case study of wellbore stability evaluation for the Mishrif Formation, Iraq	Ethar H. K. Alkamil	<b>33</b>
<a href="https://doi.org/10.2118/183668-MS">https://doi.org/10.2118/183668-MS</a>				✓	2017	SPE Middle East Oil & Gas Show and Conference	Wellbore stability evaluation for Mishrif formation	Ethar H. K. Alkamil	<b>34</b>
<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1773/1/012020">https://iopscience.iop.org/article/10.1088/1742-6596/1773/1/012020</a>				✓	2021	Journal of Physics: Conference Series	Energy and exergy study of Shatt Al-Basra gas turbine power plant	N K Naeem	<b>35</b>
<a href="https://www.testmagazine.biz/index.php/testmagazine/article/view/371">https://www.testmagazine.biz/index.php/testmagazine/article/view/371</a>				✓	2019	Test engineering and management	Parametric Study of Combined and Cogeneration Systems: Energy and Exergy Approach	Noor Kareem Naeem	<b>36</b>
<a href="https://paideumajournal.com/gallery/34-nov2019.pdf">https://paideumajournal.com/gallery/34-nov2019.pdf</a>		✓			2019	PAIDEUMA JOURNAL	Development of Shatt Al-Basra Gas Turbine: Combined or Cogeneration Cycles: Energy and Exergy Approach	Noor Kareem Naeem	<b>37</b>
<a href="https://link.springer.com/article/10.1007/s10623-018-00592-8">https://link.springer.com/article/10.1007/s10623-018-00592-8</a>			✓	✓	2019	Designs, Codes and Cryptography	A new lower bound for the smallest complete (k, n)-arc in PG(2,q)	S. Alabdullah	<b>38</b>



