



**(Published Research in journals and scientific conferences) –**

**Department of Communications Engineering - College of Iraq University**

No.	Year	Title of the paper	Name of the Author	Name of the journal	Database indexed	Impact Factor(ISI)	Status
1	2018	Optimization Noise Figure of Fiber Raman Amplifier based on Bat Algorithm in Optical Communication network	Hamid Ali Abed AL-Asadi	International Journal of Engineering & Technology.	SCI,SCOPUS, Web of Science	N/A	Published
2	2018	Toward for Strong Authentication Code in Cloud of Internet of Things based on DWT and Steganography	Hamid Ali Abed AL-Asadi	Journal of Theoretical and Applied Information Technology, Vol.96. No 10.	SCI,SCOPUS, Web of Science	N/A	Published
3	2018	Suggested Mechanisms for Understanding the Ideas in Authentication System	Hamid Ali Abed AL-Asadi	International Journal of Advancements in Computing Technology9(3):10-24.	SCI,SCOPUS 2011-2013	N/A	Published
4	2018	Design and Implementation of Challenge-Response Protocol for Enhanced E-Commerce Security,	Hamid Ali Abed AL-Asadi	Future Technologies Conference (FTC), Vancouver, BC, Canada.	IEEE Press	N/A	Published
5	2017	Thin Film Nanocomposite Membrane Impregnated with Clay Nanoparticles for Water Desalination,	Hamid Ali Abed AL-Asadi	Saudi j. civ. eng.; Vol-1, Iss-1 (Oct-Nov, 2017):24-29	Scholars Middle East Publishers, UAE	N/A	Published
6	2017	Ultra-Wideband Communication System for	Hamid Ali Abed AL-Asadi	The 6th International Conference on Computer			



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		<b>Orthopedic Surgical Maneuver, Langkawi, Kedah Darul Aman, Malaysia.</b>		<b>Science and Computational Mathematics,</b>	<b>IEEE Press</b>	<b>N/A</b>	<b>Published</b>
<b>7</b>	<b>2017</b>	<b>Design of a fiber laser in optical telecommunication systems, Asian</b>	<b>Hamid Ali Abed AL-Asadi</b>	<b>Journal of Applied Science and Technology (AJAST) Volume 1, Issue 3, Pages 1-3</b>		<b>N/A</b>	<b>Published</b>
<b>8</b>	<b>2017</b>	<b>Reverse Osmosis Polyamide Thin Film Nanocomposite Membranes for Water Desalination: A Study</b>	<b>Hamid Ali Abed AL-Asadi</b>	<b>International Journal of Advanced Research in Chemical Science (IJARCS) Volume 4, Issue 7, PP 1-7.</b>	<b>ARC Publications, LLC</b>	<b>N/A</b>	<b>Published</b>
<b>9</b>	<b>2017</b>	<b>A Novel Scan2Pass Architecture for Enhancing Security towards E-Commerce,</b>	<b>Hamid Ali Abed AL-Asadi</b>	<b>Future Technologies Conference 2017, 29-30 November 2017   Vancouver, BC, Canada.</b>	<b>IEEE Press</b>	<b>N/A</b>	<b>Published</b>
<b>10</b>	<b>2017</b>	<b>Design Considerations for Optical Communication Systems</b>	<b>Hamid Ali Abed AL-Asadi</b>	<b>A Multidisciplinary Journal of Scientific Research &amp; Education, 3(3), March-2017, Volume: 3, Issue: 3</b>	<b>Web of Science</b>	<b>N/A</b>	<b>Published</b>
<b>11</b>	<b>2017</b>	<b>A Study on Optical Fiber Telecommunication</b>	<b>Hamid Ali Abed AL-Asadi</b>	<b>Asian Journal of Applied Science and Technology (AJAST) Volume 1, Issue 2, Pages 219</b>	<b>Web of Science</b>	<b>N/A</b>	<b>Published</b>
<b>12</b>	<b>2017</b>	<b>Mobile Clustering Algorithm for Effective Clustering in</b>	<b>Hamid Ali Abed AL-Asadi</b>	<b>European Journal of Advances in Engineering &amp; Technology</b>	<b>Web of Science</b>	<b>N/A</b>	<b>Published</b>



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		Dense Wireless Sensor Networks,		(EJAET), Vol. 4, Issue 1, PP. 1-6.			
13	2017	Integrated Energy Efficient Clustering Strategy for Wireless Sensor Networks,	Hamid Ali Abed AL-Asadi	The Journal of Middle East and North Africa Sciences, 3(4), pp. 8-13.	Jomenas Press	N/A	Published
14	2017	Hybrid Clustering Methodology using Optical Communication in Wireless Sensor Networks	Hamid Ali Abed AL-Asadi	International Journal on Advanced Science, Engineering and Information Technology Vol. 7, No. 1.	SCOPUS, Web of Science	N/A	Published
15	2016	Fuzzy model for evaluation of selected Diabetes Medical Sites	Hamid Ali Abed AL-Asadi	IJRDO-Journal of Computer Science Engineering, Vol. 2 Issue 1.	Web of Science	N/A	Published
16	2016	Cuckoo Search Algorithm and Discrete Wavelet Transform for Iraqi Road Signs Recognition System	Hamid Ali Abed AL-Asadi	The ICSES Journal on Evolutionary and Metaheuristic Algorithms (IJEMA)	Web of Science	N/A	Published
17	2016	Development of Tacit Knowledge Measurement Model for Academic Staff Activities,	Hamid Ali Abed AL-Asadi	American Journal of Computer Science and Information Engineering, Vol.3 , No. 6, Nov. 8, 2016, Page: 37-44.	Web of Science	N/A	Published
18	2016	A Distributed Clustering Methodology for Connecting Dense Sensor Network Fields	Hamid Ali Abed AL-Asadi	International Journal of Innovative Research in Electronics and Communications	Web of Science	N/A	Published



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				(IJIREC) Volume 3, Issue 4, PP 1-6.			
19	2016	Energy Efficient Hierarchical Clustering Mechanism for Wireless Sensor Network Fields	Hamid Ali Abed AL-Asadi	International Journal of Computer Applications, Vol. 153, Issue 8, PP 42-46.	Web of Science	N/A	Published
20	2015	The Internet of Things Software Architectural Solutions	Hamid Ali Abed AL-Asadi	Australian Journal of Basic and Applied Sciences (AJBAS), 9(933):271-277.	Web of Science	N/A	Published
21	2015	A Proposed Risk Assessment Model For Decision Making In Software Management,	Hamid Ali Abed AL-Asadi	Journal of Soft Computing and Decision Support Systems 3:5 (2016) 31-43	Web of Science	N/A	Published
22	2015	Object Recognition Using Artificial Fish Swarm Algorithm on Fourier Descriptors	Hamid Ali Abed AL-Asadi	American Journal of Engineering, Technology and Society; Volume 2, Issue 5: pp. 105-110	Web of Science	N/A	Published
23	2015	A Hybrid Model of MFCC/MSFLA for Speaker Recognition	Hamid Ali Abed AL-Asadi	American Journal of Computer Science and Engineering, Vol. 2, No. 5. Pp: 32-37	Web of Science	N/A	Published
24	2015	New Hybrid (SVMs-CSOA) Architecture for classifying Electrocardiograms Signals,	Hamid Ali Abed AL-Asadi	International Journal of Advanced Research in Artificial Intelligence (IJARAI), Vol. 4, No. 5.	Web of Science	N/A	Published
25	2015	New hybrid SVMs-BCOA Architecture for Iraqi	Hamid Ali Abed AL-Asadi	Journal of Computer Science and Information	Web of Science	N/A	Published



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		<b>Vehicles License Plate Recognition, European</b>		<b>Technology, Vol.3, No.1, pp.73-86.</b>			
<b>26</b>	<b>2015</b>	<b>Object recognition in Image Using Hybrid (DRA-CSO) Architecture,</b>	<b>Hamid Ali Abed AL-Asadi</b>	<b>Vol. 4 , Issue. 02 , Feb. 2015 of International Journal of Engineering Research &amp; Technology (IJERT)</b>	<b>Web of Science</b>	<b>N/A</b>	<b>Published</b>
<b>27</b>	<b>2015</b>	<b>High Accuracy Arabic Handwritten Characters Recognition using (EBPANN) Architecture,</b>	<b>Hamid Ali Abed AL-Asadi</b>	<b>International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 6 Issue 2.</b>	<b>Web of Science</b>	<b>N/A</b>	<b>Published</b>
<b>28</b>	<b>2014</b>	<b>Experimental evaluation and theoretical investigations of fiber Raman amplifiers and its gain optimization based on single forward pump.</b>	<b>Hamid Ali Abed AL-Asadi</b>	<b>Journal of Laser Applications, 26, 042002.</b>	<b>SCOPUS, Web of Science</b>	<b>1.817</b>	<b>Published</b>
<b>29</b>	<b>2014</b>	<b>Nonlinear Phase Shift due to Stimulated Brillouin Scattering in Strong Saturation Regime for Different Types of Fibers..</b>	<b>Hamid Ali Abed AL-Asadi</b>	<b>Journal of Optical Communications (JOC), Vol. 36, Issue 3, Pages 211–216, 2014</b>	<b>SCOPUS, Web of Science</b>	<b>0.144</b>	<b>Published</b>
<b>30</b>	<b>2014</b>	<b>A Convergence Analysis of Metaheuristics Algorithms PSO-ACO and its Application to characters Recognition.</b>	<b>Hamid Ali Abed AL-Asadi</b>	<b>Vol. 158, Issue. 10 of SYLWAN journal, (ISSN: 0039-7660)</b>	<b>SCOPUS, Web of Science</b>	<b>0,623</b>	<b>Published</b>



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31	2014	Maximizing the Output Power for Brillouin Fiber Laser by Particle Swarm Optimization Modeling,"	Hamid Ali Abed AL-Asadi	Lasers in Engineering Journal., Vol. 27, Issue 3-4, pp. 277-285, 2014.	Web of Science	0.47	Published
32	2013	An efficient Technique for off-line Isolated Arabic Alphabetic Recognition of handwritten Data-Entry,"	Hamid Ali Abed AL-Asadi	Journal of the college of basic education, Vol. 19, No. 78.	Web of Science	N/A	Published
33	2013	Reduction of the Nonlinear Phase Shift Induced by Stimulated Brillouin Scattering for Bi-Directional Pumping Configuration System Using Particle Swarm Optimization Algorithm," .	Hamid Ali Abed AL-Asadi	The Journal of the European Optical Society – Rapid Publications, Vol 8, pp.13012(1-6)	SCOPUS, Web of Science	1.044	Published
34	2013	Simplifying Handwritten Characters Recognition Using a Particle Swarm Optimization Approach,"	Hamid Ali Abed AL-Asadi	EUROPEAN ACADEMIC RESEARCH, Vol 1, pp. 535- 552, Issue(5), 5	Web of Science	Impact factor is 0.485 (GIF).	Published
35	2012	Architectural Analysis of Multi-Agents Educational Model in Web-Learning Environments,"	Hamid Ali Abed AL-Asadi	Journal of Emerging Trends in Computing and Information Sciences, Vol. 3, No. 6.	Web of Science	N/A	Published
36	2011	Particle swarm optimization on threshold exponential gain of stimulated Brillouin scattering in single mode fibers,"	Hamid Ali Abed AL-Asadi	Optics. Express, Vol. 19, No. 3, pp. 1842-1853	SCOPUS, Web of Science	3.88	Published



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37	2011	Analytical study of nonlinear phase shift through stimulated Brillouin scattering in single mode fibre with pump power recycling technique,”	Hamid Ali Abed AL-Asadi	Volume 13 Number 10, Journal of Optics.	SCOPUS, Web of Science	1.99	Published
38	2011	Analytical analysis of second-order Stokes wave in Brillouin ring fiber laser,”	Hamid Ali Abed AL-Asadi	Optics. Express, Vol. 19, No. 25, pp. 25741- 25748.	SCOPUS, Web of Science	3.88	Published
39	2010	Effects of pump recycling technique on stimulated Brillouin scattering threshold: A theoretical model,”	Hamid Ali Abed AL-Asadi	Optics. Express, Vol. 18, No. 21, pp. 22339-22347	SCOPUS, Web of Science	3.88	Published
40	2010	Brillouin Linewidth Characterization in Single Mode Large Effective Area Fiber through the Co-Pumped Technique,”	Hamid Ali Abed AL-Asadi	International Journal of Electronics, Computer and Communications Technologies (IJECCCT), Vol. 1(1), pp. 16-20.	Web of Science	N/A	Published
41		Efficient Encrypted Image Retrieval in IoT-Cloud with Multi-User Authentication	M. A. Al Sibahee, S. Lu, Z.A. Abduljabbar, A. Ibrahim, Z.A. Hussien, A.M. Keyan and M.A.	International Journal of Distributed Sensor Network	Web of Science	N/A	Published
42		SCPk: Enhancing SSL against HTTPS Man-in-	M. A. Al Sibahee, M.A, Z.A. Abduljabbar, A.	Proceedings of the International Conference	Web of Science	N/A	Published



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		<b>the-Middle Sniffing Attack</b>	<b>Ibrahim, and Z.A. Hussien.</b>	<b>on Advanced Science and Engineering</b>			
<b>43</b>		<b>The Best Performance Evaluation of Encryption Algorithms to Reduce Power Consumption in WSN</b>	<b>M. A. Al Sibahee, S. Lu, Z.A. Hussien, A.M. Keyan and Z.A. Abduljabbar</b>	<b>Proceedings of the International Conference on Computing Intelligence and Information System</b>	<b>Web of Science</b>	<b>N/A</b>	<b>Published</b>
<b>44</b>		<b>EEC-LEACH: Energy-Efficient Clustering Design for Reducing Power Consumption of LEACH Protocol</b>	<b>M. A. Al Sibahee, S. Lu, Z.A. Hussien, Z.A. Abduljabbar and A.M. Keyan</b>	<b>Proceedings of the 6th International Conference on Communication, Electronics and Automation Engineering</b>	<b>Web of Science</b>	<b>N/A</b>	<b>Published</b>
<b>45</b>		<b>LEACH-T: LEACH Clustering Protocol Based on Three Layers</b>	<b>M. A. Al Sibahee, , Songfeng LU, Mohammad Z. MASOUD, Zaid Alaa HUSSEIN, Mohammed Abdulridha HUSSAIN, and Zaid Ameen ABDULJABBAR.</b>	<b>Proceedings of the 2016 IEEE International Conference on Network and Information Systems for Computers</b>	<b>Web of Science</b>	<b>N/A</b>	<b>Published</b>
<b>46</b>		<b>Secure and Efficient E-health Scheme Based on the Internet of Things</b>	<b>Zaid Alaa Hussien, H. Jin, Z. A. Abduljabbar, M. A. Hussain, A. A.</b>	<b>Proceedings of the IEEE International Conference on Signal Processing, Communications and Computing (ICSPCC)</b>	<b>Web of Science</b>	<b>N/A</b>	<b>Published</b>





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			Yassin, S. H. Abbdal, M. A. AlSibahee				
47		Boost Secure Sockets Layer against Man-in-the-Middle Sniffing Attack via SCPK	M. A. Hussain, A. A. Yassin, S. H. Abbdal, M. A. AlSibahee	International Conference on Advanced Science and Engineering	Web of Science	N/A	Published
48	2018	Design and simulation of circular microstrip parch antenna with cross-shaped slot	Huda sh. Gally	journal of Natural Sceinces Research	Web of Science	N/A	Published
49	2018	Design of circular microstrip antenna array for X band application	Huda sh. Gally , H.A. Hussain	Accepted for publication at (IJSR)	Web of Science	N/A	Published
50	2018	Improving band width of rectangular microstrip antenna for 5 GHz application	huda sh. Gally, Ahmed H Abood, Zeki A Ahmed	ALBahir iournal for natural and Engineering Science	Web of Science	N/A	Published
51	2018	Surface wave Minimizing in 2x2 Microstrip Antenna Array	huda sh. Gally, Ahmed H Abood, Zeki A Ahmed	journal of Natural Sceinces Research	Web of Science	N/A	Published
52	2018	Design and simulation of a 2-shaped Slotloaded Rectangular Microstrip Patch Antenna	huda sh. Gally, Ahmed H Abood, Zeki A Ahmed	Journal of Kufa-physics	Web of Science	N/A	Published
53	2018	Mutual Coupling Reduction In Microstrip Antenna Array Using EBG	huda sh. Gally, Ahmed H Abood, Zeki A Ahmed	Journal of Basrah Researches (Sciences)	Web of Science	N/A	Published



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54	2016	Sound Signal Analysis Using FIR Filters for Musical Fountain Operation	Ali M. Jasim Jawad R. Mahmood Ramzy S. Ali	Basrah Journal for Engineering Sciences, vol. 16, no. 2, 2016	Web of Science	N/A	Published
55	2018	Software implementation of a static store system using the digital differential analyzer algorithm	AT Rashid, FR Ali, OT Rashid	International Iraqi Conference on Engineering Technology and their ..., 2018	Web of Science	N/A	Published
56	2018	Design and Construction a Dynamic Store System using the Bezier Curve Algorithms	AT Rashid, FR Ali, OT Rashid	International Journal of Computer Applications 179 (42), 22-29, 2018	Web of Science	N/A	Published
57		Wireless Control System for Three Phase Loads Balancing in Distribution Networks	AT Rashid, FK Handhal, OT Rashid	International Journal of Computer Applications 975, 8887, 0	Web of Science	N/A	Published
58		Design and Construction Objects Store System using Line Follower Robot	AT Rashid, FR Ali, OT Rashid	International Journal of Computer Applications 975, 8887, 0	Web of Science	N/A	Published
59		Design and Implementation a Smart Energy Saving System using an Arduino and RF Module	AT Rashid, OT Rashid	International Journal of Computer Applications 975, 8887, 0	Web of Science	N/A	Published
60	2018	Comprehensive Survey Congestion Control Mechanisms in Wireless Sensor Networks: Comprehensive Survey	Saif ULdun Mostfa Kamal, Mohammed Jamal Al-Mansor,	Computer Engineering and Intelligent Systems Publication date 2018/11/30, Volume9	Web of Science	N/A	Published



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			Noor Jasim Hasan				
61		<b>New Exact Travelling Wave Solutions for Some Nonlinear Partial Differential Equations by Using Tanh Method</b>	<b>Ammar Abd Al-Hussein</b>	<b>Australian Journal of Basic and Applied Sciences</b>	<b>Web of Science</b>	<b>N/A</b>	<b>Published</b>
62		<b>Application Extended Tanh Method for Solving Nonlinear Generalized Ito System.</b>	<b>Ammar Abd Al-Hussein</b>	<b>Advances in Physics Theories and Applications</b>	<b>Web of Science</b>	<b>N/A</b>	<b>Published</b>
63		<b>The First Integral Method for the Two-dimensional Incompressible Navier-Stokes Equations,</b>	<b>Ammar Abd Al-Hussein</b>	<b>Journal of Advances in Mathematics and Computer Science</b>	<b>Web of Science</b>	<b>N/A</b>	<b>Published</b>
64		<b>The geotechnical properties of shatt Al-Basrah sediments and their liability to erosion</b>	<b>Al-Bahily,N., Albadran, B., and Alhadi, s.</b>	<b>Marina Mesopotamica, 13(2),P, 322-336</b>	<b>Web of Science</b>	<b>N/A</b>	<b>Published</b>
65		<b>Some aspects on the geotechnical properties of the Shatt Ai-Arab river sediments near Basrah city southern Iraq</b>	<b>Albadran, B. and Al-Bahily,N.</b>	<b>Marina Mesopotamica 14(1), pp.109-117..</b>	<b>Web of Science</b>	<b>N/A</b>	<b>Published</b>
66		<b>Astudy of Swelling Properties of Shatt Al-Basrah sediments</b>	<b>Al-Bahily, N., K.</b>	<b>Marina Mesopotamica, 15 (2), pp.549-557</b>	<b>Web of Science</b>	<b>N/A</b>	<b>Published</b>
67		<b>Evaluating The Ability of sediments of Northern part of the Shatt Al-Arab River</b>	<b>Al-Bahily,N., k. and Al-Manssory, F.,Y.</b>	<b>Marina Mesopotamica 17(2), pp.505-518</b>	<b>Web of Science</b>	<b>N/A</b>	<b>Published</b>



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68	Erosion And Sedimentation Processes in The Shatt Al-Arab River	Albadran, B., Al-Mansory, F., Y. and Al-Bahily, N.	South of Iraq Marina Mesopotamica, 17(2), pp285-292.	Web of Science	N/A	Published
69	The Banks Stability of Umm – Qasser Channel	AL – bahily, N.	The Third Scientific Conference proceeding .Waterway Transport com. October 2002.	Web of Science	N/A	Published
70	The effect of vegetation on the bank erotion of Shatt Al-Arab River	Al-bahily, N., Almaliki, J. C. and Alrabaye A. A	south of Iraq, Marsh Bulletine ,5(1) ,pp1-13.	Web of Science	N/A	Published
71	maximum power point tracking for photovoltaic system by using fuzzy neural network	Baha Aldeen Sawadi	inventions	Web of Science	N/A	Published
72	voltage tracking control of dc-dc boost converter using fuzzy neural network	Baha Aldeen Sawadi	international journal of power electronics and drive system	Web of Science	N/A	Published