

Electrical Engineering Department

1. Journals

No.	Authors	Article Title	Journal Name	Year	Volume	Issue	PP.	ISI/SCOPUS	Link of Paper
1.	M. Abu Shattal and Abdel-Rahman Al-Qawasmi	The Effect of Interference on Bluetooth Data Exchange over WLAN	WSEAS Transactions on Communications	October, 2012	11	10	375-384	SCOPUS	http://www.wseas.org/multimedia/journals/communications/2012/55-425.pdf
2.	Al-Qawasmi A.K and Omar A.M. Aly	Low-Complexity FEC Encoding Technique Based Special Selected Codes	International Journal for Research and Development, in Technology	January, 2016	3	1	18-24	-	http://ijrdt.org/full_paper/96/12/Low-Complexity-FEC-Encoding-Technique-Based-Parity-Selected-Codes
3.	Ibrahim N. Abu Isbeih, Abdel-Rahman Al-Qawasmi and Nid'a Al-Shafi	Prove the Harm of Cell Phone via Biological Experiments	Research Journal of Pharmaceutical, Biological and Chemical Sciences (RJPBCS)	2016	7	3	Accept.	SCOPUS	https://www.rjpbcs.com/2016_7.3.html
4.	Ahmed G. Abo-Khalil	Design and Simulation of a Grid-Connected Photovoltaic System for the EE Department Building in Assiut University	Journal of Engineering Sciences, JES	September, 2012	40	5	1389-1397	-	http://www.aun.edu.eg/journal_files/89_J_6365.pdf
5.	Ahmed G. Abo-Khalil and Hammad Ab-Zied	Modelling and Simulation of a Grid-Connected Photovoltaic System for an Middle-Class Apartment in New Assiut City	Journal of Engineering Sciences, JES	November, 2012	40	6	1747-1757	-	http://www.aun.edu.eg/journal_files/90_J_1372.pdf
6.	Ahmed G. Abo-Khalil and Hammad Ab-Zied	Design and Control of Large Scale Photovoltaic System for High Power Applications	International Journal of Control, Automation and Systems	April, 2013	2	1	1-7	SCOPUS	http://researchpub.org/journal/jac/number/vol2-no1/vol2-no1-3.pdf
7.	Ahmed G. Abo-Khalil and Byunggyu Yu	A Current Sensor-Less Maximum Power Point Tracking Method for PV System	International Journal of Advancements in Computing Technology (IJACT)	July, 2013	5	11	358-364	-	http://hobbydocbox.com/Radio/67136592-A-current-sensor-less-maximum-power-point-tracking-method-for-pv.html

8.	Ahmed G. Abo-Khalil and Byunggyu Yu	Wind Turbine Simulator Development Using a Separately Excited DC Motor	International Journal of Advancements in Computing Technology (IJACT)	July, 2013	5	11	347-357	-	http://hobbydocbox.com/Radio/67136592-A-current-sensor-less-maximum-power-point-tracking-method-for-pv.html
9.	Ahmed Galal Abokhalil and Sameh Ahmed	Water-Pumping using Powered Solar System - More than an Environmentally Alternative: The Case of Toshka, Egypt	Journal of Energy and Natural Resources	February, 2016	5	1	19-25	-	http://www.sciencepublishinggroup.com/journal/paperinfo?journalid=167&doi=10.11648/j.jenr.s.2016050101.14
10.	A. Abokhalil	A Grid-Connected Photovoltaic System with an Irradiance Estimator and Maximum Power Point Tracker using Support Vector Machines	International Journal of Engineering Science and Research Technology [IJESRT]	26 th October 2016	4	2	15-20	-	http://www.ijesrt.com/issues%20pdf%20file/Archive-2016/October-2016/71.pdf
11.	G. Fahmy	Joint Watermarking and Compression for Images in Transform Domain	International Journal of Modern Engineering Research	July-Aug., 2012	2	4	2341-2351	-	http://www.ijmer.com/pages/vol2-issue4.html
12.	G. Fahmy	Shift Variance Behavior for Different Sub- Band Coding Systems, Biorthogonal, Orthogonal and Bspline Wavelets	International Journal of Modern Engineering Research	July-Aug., 2012	2	4	2331-2340	-	https://www.semanticscholar.org/paper/Shift-variance-behavior-for-different-sub-band-c-Fahmy/52b51ff1087ab7ee6240e2e5ccf29cb31503c2a9
13.	M. F. Fahmy and G. Fahmy	Exponential Spline Perfect Reconstruction Decomposition with Applications in Compression and De-noising	Journal of Signal, Image and Video Processing Springer	September, 2014	8	6	1111-1120	-	https://link.springer.com/article/10.1007/s11760-014-0640-9
14.	Ahmed Bilal and Ahmed Galal Abokhalil	Feasibility and Estimation of Technical Potential and Calculation of Payback Period of Roof-Top Solar PV System in the City of Majmaah, Province of Riyadh, K.S.A	Journal of Energy and Natural Resources	January, 2016	5	1	12-18	-	http://www.sciencepublishinggroup.com/journal/paperinfo?journalid=167&doi=10.11648/j.jenr.s.2016050101.13
15.	Ahmed-Bilal Awan	Renewable Energy: A Solution to Hazardous Emissions.	Journal of Energy and Natural Resources. Special Issue: Electrical Power Resources: Coal Versus Renewable Energy	February, 2016	5	1	6-11	-	http://www.sciencepublishinggroup.com/journal/paperinfo?journalid=167&doi=10.11648/j.jenr.s.2016050101.12

16.	Ahmed-Bilal Awan	A Low-Cost PMSG Topology and Control Strategy for Small-Scale Wind Power Generation Systems	International Journal of Engineering Sciences & Research Technology	October 2016	4	2	10-15	-	http://www.ijesrt.com/issues%20pdf%20file/Archive-2016/October-2016/71.pdf
17.	E. M. Barhoumi ,F. Wurtz, C. Chillet, B. Ben Salah and O. Chadebec	Efficient Reluctance Network Formulation for Modeling Design and Optimization of Linear Hybrid Motor,	IEEE Transactions on Magnetics	March, 2016	52	3		ISI	http://ieeexplore.ieee.org/document/7314928/?section=abstract
18.	Mohammad Abdul Baseer	Travelling Waves for Finding the Fault Location in Transmission Lines	JEEE Science PG	April, 2013	1	1	1-19	-	http://article.sciencepublishinggroup.com/pdf/10.11648.j.jee.20130101.11.pdf
19.	Mohammad Abdul Baseer	Transient Stability Improvement of Multi-machine Power System using Fuzzy Controlled TCSC	IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE)	January, 2014	9	1	28-40	-	http://www.iosrjournals.org/iosr-jeee/Papers/Vol9-issue1/Version-1/D09112840.pdf
20.	Mohammad Abdul Baseer and Hussam Habibeh	Reactive Power Correction using Distributed Static Synchronous Compensator	Elixir Electrical Engineering	June, 2014	71	-	25021-25027	-	http://www.elixirpublishers.com/index.php?route=articles/category&path=323_324&sort=a.title&order=DESC&page=8
21.	Muhammad Zubai , Memoon Sajid Yang Hoi Doh, Kyoung-Hoan Na and Kyung Hyun Choi	Flexible Large Area Organic Light Emitting Diode Fabricated by Electrohydrodynamics Atomization Technique	Journal of Materials Science: Materials in Electronics	September, 2015	26	9	7192-7199	ISI	https://link.springer.com/journal/10854
22.	Mohammad Abdul Baseer , Rahul Sharma and Siva Agora	The Improvement on the System Robustness through Power Management System	International Journal of Latest Research in Science and Technology	September, 2014	3	5	153-154	-	http://www.mnkpublication.com/journal/ijlrst/index.php
23.	Siva Agora Sakthivel Murugan k. and Mohammad Abdul Baseer	Experimental Study of Photo Voltaic Systems and Converter	International Journal of Electrical and Electronics Engineering Research	February, 2015	5	1	107-110	-	http://www.tjprc.org/publishpapers/--1422702194-9.%20%20Electrical%20-IJEEER%20-EXPERIMENTAL%20STUDY%20OF%20PHOTO%20%20-%20Siva%20Agora%20Sakthivel%20Murugan.pdf

24.	K. Siva Agora Sakthivel Murugan, Mohammad Abdul Baseer and R. Jothin	Experimental Study of Photo Voltaic Systems and Converters	Middle-East Journal of Scientific Research IDOSI	March, 2015	23	4	652-655	-	http://www.idosi.org/mejsr/mejsr23(4)15/14.pdf
25.	Mohammad Abdul Baseer, Ahmed Galal Abo Khalil and Siva Agora Sakthivel Murugan	Positioning and Adjusting the Frequencies of the Rotor in Permanent Magnet Synchronous Machine to Achieve High Performances	International Journal of Applied Engineering Research	March, 2015	10	59	379-386	SCOPUS	https://www.ripublication.com/Volumel0n59spl.htm
26.	Ahmed Bilal Awan, Naveed Ahmed Khan, Anzar Mahmood, Sohail Razzaq, Adnan Zafar, Guftaar Ahmed Sardar Sidhu,	Combined emission economic dispatch of power system including solar photo voltaic generation	Energy Conversion and Management	2015	92		82-91	ISI	https://www.sciencedirect.com/science/article/pii/S0196890414010644
27.	E. M. Barhoumi, Y. Berrouche, A. G. Abou Khalil, F. Wurtz,	Analysis and Comparison of End Effects in Linear Switched Reluctance and Hybrid Motors	Journal of Electrical Engineering, ISSN 1335-3632,	Feb., 2017	2	3	15-25	ISI	https://www.sciencedirect.com/science/article/pii/S0196890414010644
28.	M. Barhoumi, I. Ben Belgacem, Y. Berouche, A. Galal, A. Al Muhaisen	New Efficient Method for Engineering Education Analysis and Implementation, E.	International Journal of Education, Development, Society and Technology (IJEDST)	Feb., 2017	1	5	1-6	-	http://www.ijedst.org/home/papers-published/ijedst-2017-volume-5-issue-1?tmpl=%2Fsystem%2Fapp%2Ftemplates%2Fprint%2F&showPrintDialog=1
29.	El Manaa Barhoumi and Youcef Berrouche	Design and Modeling of a Linear Permanent Magnet Generator for Tidal Energy Conversion,	International Journal of Renewable Energy Research (IJRER)	May 2017	2	1	15-20	ISI	http://www.ijrer.org/ijrer/index.php/ijrer/article/view/6325/pdf
30.	M.A. Baseer, Praveen R.P, A. Galal Abo Khalil, Youcef and Manaa	Localisation of Fault Using Travelling Wave Theory Based on Multi-End System	International Journal of Applied Engineering Research	Sept 2017	17	12	6504-6513	SCOPUS	https://www.ripublication.com/ijaer17/ijaerv12n17_28.pdf
31.	Omar K. M. Ouda , Samir El-Nakla, Chedly B. Yahya, Helen. P. Peterson, Mohamed Ouda	Energy Conservation Awareness among Residential Consumers in Saudi Arabia	International Journal of Computing and Digital Systems	Nov. 2017	6	6	350-355	-	http://journals.uob.edu.bh/IJCDs/contents/volume1082/articles/article-5392
32.	Habab Habib Alshammary, Abdel-Rahman Al-Qawasmi	Analytic comparison of using FFT and wavelet in IEEE 802.11.a WLAN based OFDM technique	Advanced Electrical and Electronics Engineering and Scientific Journal (AEEESJ)	2017	1	1	8-17	-	http://www.aeesj.com/wp-content/uploads/2016/10/AEEESJ28316-2-4.pdf

33.	AbdelRahman Al Qawasmi	Optimisation of Energy Efficiency in MU Buildings using WSAN	Advanced Electrical And Electronics Engineering And Scientific Journal (AEEESJ)	2017	1	1	23-30	-	http://www.aeesj.com/wp-content/uploads/2016/10/AEEESJ28316-5-1.pdf
34.	F. KALLEL and A. Ben Hamida	A new adaptive gamma correction based algorithm using DWT-SVD for non-contrast CT image enhancement	IEEE Transactions on Nano Bioscience	2017	16	8	666 - 675	ISI	http://ieeexplore.ieee.org/document/8101512/
35.	F. KALLEL and A. Ben Hamida Fathi Kallel · Mouna Sahnoun, Ahmed Ben Hamida, Khalil Chtourou	CT scan contrast enhancement using singular value decomposition and adaptive gamma correction	Signal, Image and Video Processing	2017	accepted	https://doi.org/10.1007/s11760-017-1232-2		ISI	https://doi.org/10.1007/s11760-017-1232-2
36.	Ahmed Bilal awan and Zeeshan Ali Khan	Recent progress in renewable energy – Remedy of energy crisis in Pakistan	Renewable and Sustainable Energy Reviews	2014	33	ISSN 1364-0321	236-253	ISI	https://www.sciencedirect.com/science/article/pii/S1364032114001154
37.	Yazeed mohammad qasaymeh, abdullah alahmadi, mohammadariff othman	A novel herringbone circularly polarized quasi lumped antenna array	The applied computational electromagnetics society	2017	Accepted			ISI	https://link.springer.com/article/10.1007/s11760-017-1232-2
38.	Praveen R.P. , Greeshma Chandran	Design and Development of Control Electronics for Space Rover Hip Yaw Joint Application	International Journal of Applied Engineering Research, ISSN 0973-4562	Dec.2017	12	22	12108-12118	SCOPUS	https://www.ripublication.com/ijaer17/ijaerv12n2_47.pdf
39.	Praveen R. P., Mohammad Abdul Baseer, Ahmed Bilal Awan and Muhammad Zubair	Performance analysis and optimization of a parabolic trough solar power plant in the middle east region	Energies	2018	11	4	741	ISI	http://www.mdpi.com/1996-1073/11/4/741/htm
40.	Ahmed Bilal Awan, Muhammad Zubair, Praveen R. P. and Ahmed G. Abokhalil	Solar Energy Resource Analysis and Evaluation of Photovoltaic System Performance in Various Regions of Saudi Arabia	Sustainability	2018	10	4	1129	ISI	http://www.mdpi.com/2071-1050/10/4/1129/htm
41.	Muhammad Zubair, Ahmed Bilal Awan, RP Praveen	Analysis of photovoltaic arrays efficiency for reduction of building cooling load in hot climates	Building Services Engineering Research and Technology	2018	1	1	1-16	ISI	http://journals.sagepub.com/doi/abs/10.1177/0143624418780633
42.	Muhammad Zubair, Ahmed Bilal Awan, Abdullah Al-Ahmadi, Ahmed G. Abo-Khalil	NPC Based Design Optimization for a Net Zero Office Building in Hot Climates with PV Panels as Shading Device	Energies	2018	11	6	1391	ISI	http://www.mdpi.com/1996-1073/11/6/1391
43.	Ahmed Galal Abo-Khalil, Ahmed Bilal Awan, Abdel-Rahman Al-Qasami	Comparative Study of Passive and Active Islanding Detection Methods for PV Grid-Connected Systems	Sustainability	2018	10	6	1798	ISI	http://www.mdpi.com/2071-1050/10/6/1798

44.	Amna Malik, Zain Ali, Ahmed Bilal Awan, Ahmed Galal Abo-Khalil	Achieving Cost Minimization and Fairness in Multi-Supplier Smart Grid Environment	Energies	2018	11	6	1367	ISI	http://www.mdpi.com/1996-1073/11/6/1367?type=check_update&version=1
45.	Abdel-Rahman Al-Qawasmī, I Tili	Energy efficiency and economic impact investigations for air-conditioners using wireless sensing and actuator networks	Energy Reports/ Elsevier	17 August 2018.	4	November 2018	478-485	ISI	https://goo.gl/5hrymT

2. Conference

No.	Authors	Article Title	Name of Conference	Year	Number	Country	Link of Paper
1.	Ahmed G. Abo-Khalil and Hammad Ab-Zied	Sensorless Control for DFIG Wind Turbines Based on Support Vector Regression	Industrial Electronics Conference IECON, Canada ISBN:978-1-4673-2420-5	October, 2012	ISSN: 1553-572x	Canada	
2.	Ahmed G. Abo-Khalil and Hammad Ab-Zied	A Novel High-Frequency Converter for Induction Heating Systems	Middle East Power Conference Mepcon, Egypt	December, 2012	978-1-4673-6080-7	Egypt	
3.	Ahmed G. Abo-Khalil and Byunggyu Yu	Current Estimation-Based Maximum Power Point Tracker of Grid Connected PV	Power Electronics and Drives Systems (PEDS), Japan ISBN:978-1-4673-1791-7	2012	ISSN: 2164-5256	Japan	
4.	Ahmed G. Abo-Khalil and Sameh S. Ahmed	A New Approach to Improve the Energy Efficiency of Middle-East Buildings	7 th Conference of Future of Renewable and New Energy in the Arab World, Assiut University	12-14 February, 2013	-	Assiut, Egypt	
5.	Omar A. M. Aly, Abdel-Rahman Al-Qawasmi and Ahmed G. Abo-Khalil	Noise Immune Spectrum Sensing Algorithm for Cognitive Radio	IEEE 30 th National Radio Science Conference (NRSC 2013)	16-18 April, 2013	978-1-4673-6222-1	Cairo, Egypt	
6.	Ahmed G. Abo-Khalil , Abdel-Rahman Al-Qawasmi and Omar A. M. Aly	A Novel Islanding Detection Method for Three-Phase Photovoltaic Generation Systems	Applied Electrical Engineering and Computer Technologies (AEECT)	December, 2013	1569797849	Jordan	
7.	Ahmed G. Abo-Khalil	Sensorless Gradient Approximation Controller for Maximum Power Point Tracking of Grid Connected PV System	Middle East Power System Conference MEPCON 2015	15-17 Dec. 2015	325	El Mansoura, Egypt	
8.	Omar A. M. Aly	Two-Stage Spectrum Sensing Algorithm for Low Power Signals in Cognitive Radio	The Second Saudi International Electronics, Communications and Photonics Conference SIEPC'13	30-27 April, 2013	978-1-4673-6195-8	Riyadh, KSA	
9.	G. Fahmy and M. Ihle	B-Spline Based Perfect Reconstruction of Non-Band Limited Signals through Noisy Sensors	IEEE International Symposium for Signal Processing and Information Technology	December, 2013	Under Review	Athens	
10.	M. F. Fahmy, G. Fahmy and O. F. Fahmy	Image Enhancement using E-Spline Functions	IEEE International Symposium for Signal Processing and Information Technology	December, 2013	Under Review	Athens	

11.	Youcef Berrouche, Ahmed G. Abo-Khalil and Abdullah Almuhaissen	Quebec: a Source of More than 5000MW of Clean Sustainable Energy Using Salinity Gradient Power Technology	International Conference on Sustainable Mobility Applications, Renewables and Technology (SMART2015)	November 23-25, 2015,	52	Kuwait	
12.	M. I. Hussein; Ali Hakam and Mohamed Ouda	Planar Ultra-Wideband Elliptical Antenna for Communication Applications	IEEE Wireless Communications and Networking Conference (WCNC'16)	Qatar, 3-6 April, 2016.	Accepted	Doha	
13.	M. I. Hussein; Ali Hakam; Mohamed Ouda ; Raed Shubair	Compact Low-Profile Planar Elliptical Antenna for UWB Applications.	The 10th European Conference on Antennas and Propagation	10-15 April, 2016	Accepted for presentation in	Switzerland	
14.	Ali Hakam, M. I. Hussein, Mohamed Ouda , Raed Shubair and Elham Serria	Novel Circular Antenna with Elliptical Rings for Ultra-Wide-Band	The 10th European Conference on Antennas and Propagation	10-15 April, 2016	Accepted for presentation in	Switzerland	
15.	Samir El-Nakla , Chedly B. Yahya, Helen. P. Peterson, Omar K. M. Ouda , Mohamed Ouda	“Residential Consumers Awareness of Energy Conservation Practices in Saudi Arabia.”	The 9 th IEEE GCC Conference & Exhibition Gulf	8-11 May 2017	Accepted for presentation i	Manama, Bahrain	
16.	Greeshma Chandran, JyothiEngg. Coll., Thrissur, India, Sandip Das and R. P. Praveen	Development of Control Electronics of a PMBLDC Motor for Hip Yaw Joint of a Space Rover Application	Emerging Research Areas: Magnetics, Machines and Drives (AICERA/iCMMMD), 2014 Annual International Conference	24-26 July, 2014	14619070	Kottayam	
17.	Mohammad Abdul Baseer	Muti- Criteria Supplier Selection using Fuzzy Promethee Method	2 nd Global Virtual Conf. Conducted in Groce. Delechev. University Macedonia and Thomson Ltd.	7-11April, 2014	Accepted	Slovakia	
18.	M. I. Hussein; Ali Hakam and Mohamed Ouda	Planar Ultra-Wideband Elliptical Antenna for Communication Applications	IEEE Wireless Communications and Networking Conference (WCNC'16)	Qatar, 3-6 April, 2016.	-	Doha	
19.	M. I. Hussein; Ali Hakam; Mohamed Ouda ; Raed Shubair	Compact Low-Profile Planar Elliptical Antenna for UWB Applications.	The 10th European Conference on Antennas and Propagation	10-15 April, 2016	-	Switzerland	
20.	Ali Hakam, M. I. Hussein, Mohamed Ouda , Raed Shubair and Elham Serria	Novel Circular Antenna with Elliptical Rings for Ultra-Wide-Band	The 10th European Conference on Antennas and Propagation	10-15 April, 2016	-	Switzerland	
21.	Samir El-Nakla , Chedly B. Yahya, Helen. P. Peterson, Omar K. M. Ouda , Mohamed Ouda	“Residential Consumers Awareness of Energy Conservation Practices in Saudi Arabia.”	The 9 th IEEE GCC Conference & Exhibition Gulf	8-11 May 2017	978-1-5386-2756-3	Manama, Bahrain	
22.	Samir El-Nakla , Chedly B. Yahya, Helen. P. Peterson, Omar K. M. Ouda , Mohamed Ouda	“Renewable Energy in Saudi Arabia: Current Status, Initiatives and Challenges.”	The 9 th IEEE GCC Conference & Exhibition Gulf	8-11 May 2017	978-1-5386-2756-3	Manama, Bahrain	