

Liste des productions scientifiques (publications, communications, ...)

Année 2023

Etablissement Universitaire: Université 8 Mai 1945 de Guelma

Institut des Télécommunications

Laboratoire des Télécommunications (LT)

<i>Productions Scientifiques 2023</i>								
<i>Publications</i>								
	<i>Titre</i>	<i>Auteurs</i>	<i>Revue</i>	<i>Année</i>	<i>Catégorie de la revue: A+ , A , B-Scopus, B-non Scopus, C, non classée</i>	<i>Volume</i>	<i>Page</i>	<i>URL</i>
<i>Publications internationales</i>	<i>Narrow-band Circularly Polarized Antenna for Medical Microwave Imaging and Health Monitoring Applications</i>	<i>Bilal Guetaf Abdelhalim Chaabane Abderrezak Khalfallaoui Hussein Attia</i>	<i>The Applied Computational Electromagnetics Society Journal (ACES)</i>	<i>2023</i>	<i>A</i>	<i>38</i>	<i>424-438</i>	<i>https://doi.org/10.13052/2023.ACES.J.380607</i>
	<i>Improvement of the Standard Perturb & Observe MPPT control strategy by the proposed Fuzzy Logic Mechanism for a Cascade Regulation of a PMSM-based PV pumping system</i>	<i>Djamel Taibi Toufik Amieur Tahar Laamayad Moussa Sedraoui</i>	<i>Arabian Journal for Science and Engineering</i>	<i>2023</i>		<i>48</i>	<i>6631-6647</i>	<i>https://doi.org/10.1109/TPEL.2020.3029607</i>

Spatial beam self-cleaning accompanied by self-similar propagation in few-mode graded-index fiber	L Graini B Ortaç	JOSA B	2023	A	40	2139-2145	https://opg.optica.org/josab/abstract.cfm?uri=josab-40-8-2139
A Voltage PID Controller Synthesis Based on a New Small-Signal Linear Model to Enhance the Performance of the Standard P & O Algorithm Employed in Photovoltaic Panels	Siham Aissani Sami Kahla Mohcene Bechouat Toufik Amieur Moussa Sedraoui	Arabian Journal for Science and Engineering	2023	A	48	6615-6630	https://doi.org/10.1007/s13369-022-07494-x
A Low-Complexity PTS Technique based-Improved PSO Algorithm for PAPR Reduction in OFDM Systems	Somia Taba Salah Redadaa Mohamed Amine Benchana Samir Ikni	Telecommunications and Radio Engineering	2023	B-Scopus	82	janv-17	https://www.dl.bege.lihouse.com/journals/0632a9d54950b268,31988cf94709d3d8,13d35703464819a7.html
A new bio-inspired fuzzy immune structure with optimal PSO parameters tuning	Sofiane Gherbi Ibtihal Benharkou Mohcene Bechouat Moussa Sedraoui	International Journal of Dynamics and Control	2023	B-Scopus	11	1102-1114	https://doi.org/10.1007/s40435-022-01039-8
Numerical Study of Passive Irregular Hexagonal Circulator with Coplanar Topology in the Band 7-10 GHz	Bahloul afaf Boualleg ahcene	Nanosistemi, Nanomateriali, Nanotehnologii	2023	B-Scopus	21	247-252	https://www.imp.kiev.ua/nanosys/

A NOVEL SCHEME UFMC-DSNT FOR PAPR REDUCTION IN 5G SYSTEMS	Dheya Alhaq Ahmed Hamood Abdullah AlQUDAMI Samir IKNI Salah REDADAA Moussa SEDRAOUI	Telecommunications and Radio Engineering	2023	B-Scopus	82	21-39	10.1615/TelecomRadEng.2023048111
Enhanced the modeling accuracy by the design of new photovoltaic models including the proposed nonlinear thermal resistors	Sami Kahla Mohcene Bechouat Toufik Amieur Moussa Sedraoui Hanni Guessoum	International Journal of Modelling and Simulation	2023	B-Scopus	43	507-522	https://doi.org/10.1080/02286203.2022.2094646
Tilt-fractional order proportional integral derivative control for DC motor using particle swarm optimization	Toufik Amieur Djamel Taibi Sami Kahla Mohcene Bechouat Moussa Sedraoui	Electrical Engineering & Electromechanics	2023	B-Scopus	2	14-19	http://eie.khpi.edu.ua/article/view/259730
Investigation and performance analysis of LG-SDM-FSO transmission system using 2 μ m laser beam under atmospheric turbulences	I Hamamdia L Graini R Guernine	Journal of Optics	2023	B-Scopus		1	https://link.springer.com/article/10.1007/s12596-023-01227-5
Design and Experimental Evaluation of a Printed Monopole Antenna for GPR Applications	Abderrezak Khalfallaoui Abdelhalim Chaabane Abdesselam Babouri	International Journal of Electrical and Electronic Engineering & Telecommunications	2023	B-Scopus	12	405-410	http://www.ijeetc.com/2023/IJEETC-V12N6-405.pdf

Publications internationales

Extract the transfer function of the Buck converter using PLECS software	Aissani Siham Bechouat Mohcene Sedraoui Moussa Boualleg Abdelhalim Toufik Amieur Hakim Doghmane	International Journal of Advanced Natural Sciences and Engineering Researches	2023	non classé	7	205/208	https://doi.org/10.59287/ijanser.392
Synthesis of Voltage PID Controller to Improve INC- MPPT Algorithm for Cascade Regulation of KC200GT Panel-Based Solar System	SİHAM, A Bechouat, M Sedraoui, M Amieur, T	Avrupa Bilim ve Teknoloji Dergisi	2023	non classé	47	73/78	https://doi.org/10.31590/ejosat.1244902
Robust and accurate photoelectric system model design using the small-signal principle	SİHAM, A Bechouat, M Sedraoui, M Amieur, T	Avrupa Bilim ve Teknoloji Dergisi,	2023	non classé	47	79/84	https://doi.org/10.31590/ejosat.1244903
Improved P&O-MPPT strategy based on new design of small-signal model used for voltage regulation of solar	Mohcene Bechouat Moussa Sedraoui Hakim Doghmane Houcine Bourouba Toufik Amieur Gherbi Sofiane	Research Square	2023				https://doi.org/10.21203/rs.3.rs-3291647/v1

Productions Scientifiques 2023

Communications

	Titre	Auteurs	Intitulé de manifestation	Année	Proceeding de la conférence indexé dans Scopus (oui/non)	Volume	Page	URL
Communications nationales	A suboptimal combining algorithm for peaks reduction in OFDM systems	Taba Somia Benchana Mohamed Amine Redadaa Salah Ikni Samir	The Second National Conference on Electrical Engineering and their Applications (NCEEA 2023)	2023	non			http://nceea.univ-guelma.dz/
	Improving wireless communication quality through particle swarm optimization integration and parameter tuning	Taba Somia Benchana Mohamed Amine Redadaa Salah Ikni Samir	The Second National Conference on Electrical Engineering and their Applications (NCEEA 2023)	2023	non			http://nceea.univ-guelma.dz/
	Enhanced P&O-MPPT Control Strategy Used in Current Regulation of Solar Systems	Aissani, S Béchouat, M Sedraoui, M Khala, S Toufik, A Boualleg, A	National Conference on Process Engineering & Renewable Energy NCPERE'2023. Khemis -Millana, Algeria 3 May 2023	2023	non			http://www.univ-dbkm.dz/relex/fr/national-conference-on-process-engineering-renewable-energy-ncpere-2023/

A comparative study and analysis between P&O, FLC, and INC Maximum Power Tracking Algorithms	Aissani S Bechouat M Sedraoui M ALQUDAMI D. A. A. H. A	Algerian Conference on Mechanics and Solar Energy, Ouargla 17 and 18 June 2023	2023	non			https://sites.google.com/univ-ouargla.dz/acmse-23/acmse23?authuser=0&pli=1
A comparative study between two modulation methods using PLECS and small-signal modulation using MATLAB	Aissani S Bechouat M Sedraoui M ALQUDAMI D. A. A. H. A	Algerian Conference on Mechanics and Solar Energy, Ouargla (ACMSE-2023) 17 and 18 June 2023	2023	non			https://sites.google.com/univ-ouargla.dz/acmse-23/acmse23?authuser=0&pli=1
Système de télésurveillance des vergers de pommiers utilisant la technologie d'Internet des Objets (IoT)	Abdelhakim Sahour Farouk Boumehrez Abbassi Taki Eddine Ines Abdelaziz	AGRITECH AI BBAAT: University of BBA	2023				https://univ-bba.dz/images/Faculte%20SNV/ai%20seminair/English.pdf
Increasing the Power efficiency of the Improved P&O-MPPT Control Strategy Through Proteus Software Including Arduino Board-based Interface	Menasria Azzeddine Sedraoui Moussa Aissani Siham Bourouba Houcine Doghmane Hakim	2nd National Conference on Electrical Engineering and its Applications (NCEEA'23)	2023	non			http://nceea.univ-guelma.dz/
Forest monitoring using iot technology	Abdelhakim Sahour Farouk Boumehrez Bekhouche Abdelaali Yacine Messai	Conference of Young Rresearcher	2023				http://dx.doi.org/10.13140/RG.2.2.14961.25440
Enhanced Maximum Power Point Tracking Scheme for Photovoltaic System Using Fuzzy Logic	Aissani S Bechouat M Sedraoui M Toufik A,	1st International Conference on Renewable Solutions for Ecosystems: Towards a Sustainable Energy Transition.IEEE.	2023	oui			http://www.univ-djelfa.dz/icrsetose/t/

Contactless Palmprint Identification Based on Patch Local Neighborhood Binary Pattern	Hakim Doghmane Mohamed Cherif Amara Korba Zoheir Mentouri Abdelhalim Boualleg Houcine Bourouba Moussa Sedraoui	11th IEEE International Conference on Systems and IEEE International Conference on Systems and Control. □	2023	oui			https://ieeecss.org/event/11th-international-conference-systems-and-control
Breast cancer detection using circularly polarized printed UWB antenna	Rachida Boulerbah Abdelhalim chaabane Hussein Attia Djelloul Aissaoui	2nd International conference on Electronics, Energy and Measurement (IC2EM'2023)	2023	Oui			https://ic2em-2023.sciencesconf.org/
Printed Monopole Antenna Design for Early Brain Tumor Detection	Mohammed Boutaa Djelloul Aissaoui Abdelhalim chaabane Hussein Attia	2nd International conference on Electronics, Energy and Measurement (IC2EM'2023)	2023	oui			https://ic2em-2023.sciencesconf.org/
Dual-Band Slot Antenna for Miniaturized Biomedical Implants	Mohamed Benaissa Abdelhalim chaabane Hussein Attia Djelloul Aissaoui	2nd International conference on Electronics, Energy and Measurement (IC2EM'2023)	2023	oui			https://ic2em-2023.sciencesconf.org/
Enhanced Gain mm-Wave Ridge Gap Waveguide Antenna based on Two Partially Reflective Layers	Hussein Attia Lamine Mohamed Abdelghani Abdelhalim Chaabane Tayeb A Denidni	IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting (USNC-URSI)	2023	oui		425/426	https://doi.org/10.1109/USNC-URSI52151.2023.10237544

Compression efficiency evaluation of HEVC/H.265, AV1, and VVC/H.266 video codecs	Farouk Boumehrez Abdelhakim Sahour Hanane Djellab Fouzia Maamri	International Conference on Advances in Electrical and Computer Engineering (ICAECE'2023)	2023	oui			https://icaece2022.sciencesconf.org/
AI-Driven Path Loss Optimization in 4G Networks through PSO Algorithm	Hanane Djellab Amel Bouchemha Fouzia Maamri Farouk Boumehrez Abdelhakim Sahour	International Libyan Conference for Information and Communications Technologies (ILCICT 2023)	2023	oui			https://ilcict.ly/
Lifting of the 9/7 Wavelet Filter Bank for ECG Signal Analysis Implementation Based on FPGA Target	F Boumehrez A Sahour F Maamri H Djellab	2023 IEEE International Conference on Advanced Systems and Emergent Technologies (IC_ASET)	2023	oui			https://doi.org/10.1109/IC_ASET58101.2023.10150801
Synthesis of Voltage PID Controller to Improve INC- MPPT Algorithm for Cascade Regulation of KC200GT Panel-Based Solar System	Aissani S Bechouat M Sedraoui M Kahla S Toufik A	2nd International Conference on Innovative Academic Studies (ICIAS ' 2023), January 28 - 31, 2023, Konya, Turkey	2023	non	47	73-78	https://drive.google.com/file/d/10wi7DH8Ss7u_CEz9s-rkus-aiXCFlGa7/view?usp=sharing
An accurate study of the characteristics of the photovoltaic cells of the KC200GT panel and the effect of climatic factors on them using MATLAB software	Aissani S Bechouat M Sedraoui M Toufik A	2nd International Conference on Scientific and Academic Research on 14-16 March in 2023 at Konya/Turkey	2023	non	2		https://drive.google.com/file/d/1SSKAAQulj6zHiYV8mNvf9Eu7KQJXY0gV/view?usp=sharing

Communications nationales

<p>Study and Comparative analysis of P&O-PID and FLC-PID maximum power point tracking algorithms for a new solar PV system</p>	<p>Aissani S Bechouat M Sedraoui M Toufik A</p>	<p>2nd International Conference on Scientific and Academic Research on 14-16 March in 2023 at Konya/Turkey</p>	<p>2023</p>	<p>non</p>	<p>2</p>		<p>https://drive.google.com/file/d/1SSKAAQulj6zHiYV8mNvf9Eu7KQJXY0gV/view?usp=sharing</p>
<p>Modeling of the Boost Converter using a new method By the package <i>Matlab® / Simulink</i></p>	<p>Aissani S Bechouat M Sedraoui M ALQUDAMI D. A. A. H. A.</p>	<p>1st International Conference on Modern and Advanced Research (ICMAR'23)</p>	<p>2023</p>	<p>non</p>			<p>https://drive.google.com/file/d/1Wcp4jrzvLPDHxPD7sd_aBWV8lMajzBap/view?usp=sharing</p>
<p>Design the photovoltaic model from the experimental data and define its parameters by the PSO algorithm</p>	<p>Aissani S Bechouat M Sedraoui M ALQUDAMI D. A. A. H. A.</p>	<p>1st International Conference on Scientific and Innovative Studies (ICSIS'23) on 18-20 April in 2023 at Konya/Turkey</p>	<p>2023</p>	<p>non</p>	<p>1</p>	<p>5 to 19</p>	<p>https://doi.org/10.59287/caar.86</p>
<p>A New Hybrid IF-PSO Algorithm Based PTS Technique for PAPR Mitigation in OFDM Systems</p>	<p>Taba Somia Redadaa Salah Benchana Mohamed Amine Ikni Samir Boumehrez Farouk</p>	<p>International Conference on Advances in Electrical and Computer Engineering (ICAECE'2023)</p>	<p>2023</p>	<p>non</p>			<p>https://icaece2022.sciencesconf.org/</p>

Communications nationales

<p>SCA-GWO: A Hybrid Optimization Method Based on the PTS Technique for PAPR Mitigation in OFDM Systems</p>	<p>Taba Somia Benchana Mohamed Amine Redadaa Salah Ikni Samir</p>	<p>Cognitive Models and Artificial Intelligence Conference</p>	<p>2023</p>	<p>non</p>	<p>6</p>	<p>104 to 109</p>	<p>http://www.set-science.com/?go=d1001a2417e2b87d5b7c53e16c5e1675&conf_id=90&paper_id=17</p>
<p>Enhanced Maximum Power Point Tracking Based on Combining Fuzzy Logic Control with PID Controller for Solar Systems</p>	<p>Aissani S Bechouat M Sedraoui M ALQUDAMI D. A. A. H. A. Menasria A Guerbi S</p>	<p>Fourth International Conference on Technological Advances in Electrical Engineering ICTAEE'23 on May 23-24/2023 at Skikda-Algeria</p>	<p>2023</p>	<p>non</p>			<p>http://oldftech.univ-skikda.dz/ictaee2023/</p>
<p>Parameter-Identification of Small-Signal Model of Solar System Using Graphical User Interface GUI of Matlab Software</p>	<p>Aissani S Bechouat M Sedraoui M ALQUDAMI D. A. A. H. A. Menasria A Guerbi S</p>	<p>Fourth International Conference on Technological Advances in Electrical Engineering ICTAEE'23 on May 23-24/2023 at Skikda-Algeria</p>	<p>2023</p>	<p>non</p>			<p>http://oldftech.univ-skikda.dz/ictaee2023/</p>

Communications internationales

<p>New Windows for UFMC Technique in 5G Systems</p>	<p>AL QUDAMI D. A. A. H. A Redadaa S Ikni S Aissani S Sedraoui M.</p>	<p>Fourth International Conference on Technological Advances in Electrical Engineering ICTAEE'23 on May 23-24/2023 at Skikda-Algeria</p>	<p>2023</p>	<p>non</p>			<p>http://oldftech.univ-skikda.dz/ictaee2023/</p>
<p>Experimental Evaluation of Penetration Capability at 2 GHz of A Novel CPW Fed Monopole Antenna</p>	<p>Abderrezak Khalfallaoui Abdelhalim Chaabane Abdesselam Babouri</p>	<p>International Conference on Advances in Electrical and Computer Engineering (ICAECE'2023)</p>	<p>2023</p>				<p>https://icaece2022.sciencesconf.org/</p>
<p>DWT Denoising Signal Implementation Based on FPGA Target</p>	<p>A Sahour F Boumehrez H Djellab F Maamri</p>	<p>2023 IEEE International Conference on Advanced Systems and Emergent Technologies (IC_ASET)</p>	<p>2023</p>	<p>oui</p>			<p>https://doi.org/10.1109/IC_ASET58101.2023.10150771</p>
<p>Reconnaissance faciale sous éclairage variable en utilisant la méthode de différence gaussienne et descripteur local appliqué à la sécurité. □</p>	<p>Abdelhalim Boualleg Hakim Doghmane Azzeddine Menasria Houcine Bourouba Moussa Sedraoui</p>	<p>La 11 ème Conférence Internationale des Energies Renouvelables (CIER-2023)</p>	<p>2023</p>	<p>non</p>			<p>https://www.conf-event.com/CIER.html</p>

Communications internationales	A new Robust Structured H ∞ -PID with a Weighting Function Inspired from the Immune Feedback Mechanism	Ibtihal Benharkou Sofiane Gherbi Lamine Mehennaoui Moussa Sedraoui	Fourth International Conference on Technological Advances in Electrical Engineering (ICTAEE'23).	2023	non			http://oldftech.univ-skikda.dz/ictaee2023/
	Performance Enhancement of the Improved P&O -MPPT Strategy Using Proteus Software Equipped with an Arduino Board	Azzeddine Menasria Moussa Sedraoui Bechouat Mohcene Houcine Bourouba Hakim Doghmane Abdelhalim Boualleg	La 11 ème Conférence Internationale des Energies Renouvelables (CIER-2023)	2023	non			https://www.conf-event.com/CIER.html
	The impact of QoE on the video streaming using HEVC encoder with Multiple Coding	Farouk Boumehrez Abdelhakim Sahour Aouissi Ferial Ines Hiba Bitat	Fourth International Conference on Technological Advances in Electrical Engineering (ICTAEE'23).	2023				http://oldftech.univ-skikda.dz/ictaee2023/