

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

Année 2022

Etablissement Universitaire: Université 8 Mai 1945 de Guelma

Faculté: Faculté des Sciences et de la Technologie

Laboratoire: Télécommunications (LT)

<i>Productions Scientifiques 2022</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, non classée</i>	<i>Volume</i>	<i>Page</i>	<i>URL</i>
<i>Pulse rate multiplier based on the temporal Talbot effect in birefringent optical filters</i>	<i>Youcef Driouche, Rachid Hamdi, Leila Graini, Abderezzaq Halassi, Badr-Eddine Benkelfat</i>	<i>Journal of the Optical Society of America</i>	<i>2022</i>	<i>A</i>	<i>39</i>	<i>682-689</i>	<i><a href="https://doi.org/10.1364/JOSAA.452327">DOI: 10.1364/JOSAA.452327</a></i>
<i>Compact cauliflower-shaped antenna for ultra-wideband applications</i>	<i>Boumediene Guenad, Abdelhalim Chaabane, Djelloul Aissaoui, Abdelhafid Bouacha, Tayeb A Denidni</i>	<i>The Applied Computational Electromagnetics Society Journal (ACES)</i>	<i>2022</i>	<i>A</i>	<i>37</i>	<i>68-77</i>	<i><a href="https://journals.riverpublishers.com/index.php/ACES/article/view/13239">https://journals.riverpublishers.com/index.php/ACES/article/view/13239</a></i>

Publications internationales	<p>Small-Signal Modeling and Voltage PID controller-Synthesis for Cascade Regulation of Renewable Energy Conversion System</p>	<p>Siham Aissani, Mohcene Bechouat, Menasria Azzeddine, Amieur Toufik, Moussa Sedraoui, Hakim Doghmane</p>	<p>IEEE 21st international Ccnference on Sciences and Techniques of Automatic Control and Computer Engineering (STA)</p>	<p>2022</p>	<p>A</p>		<p>611-616</p>	<p><a href="https://ieeexplore.ieee.org/abstract/document/10019151">https://ieeexplore.ieee.org/abstract/document/10019151</a></p>
	<p>Nonlinearity mitigation of self-phase modulation effect in coherent optical system</p>	<p>Hadjadji Narimane Rachid Hamdi</p>	<p>Journal of Optical Communications</p>	<p>2022</p>	<p>B-Scopus</p>			<p><a href="https://doi.org/10.1515/joc-2021-0138">DOI: 10.1515/joc-2021-0138</a></p>
	<p>Tailored Dual Polarization Encryption-Coherence Modulation-based Decryption Scheme for a Predefined Uniformly Distributed Noisy Output Image</p>	<p>Marwan Dhiyaeddine Chachoua, Rachid Hamdi, Ayman Alfalou, Halassi Abderezzaq Badr-Eddine Benkelfat</p>	<p>Optics Express 30(10)</p>	<p>2022</p>	<p>B-Scopus</p>	<p>30</p>	<p>17400-17415</p>	<p><a href="https://doi.org/10.1364/OE.453725">DOI: 10.1364/OE.453725</a></p>
	<p>Design and Analysis of a New Fractal Compact Antenna for Ultra-Wideband Applications</p>	<p>N. Guebgoub, O. Mahri, T.A Denidni, S. Redadaa</p>	<p>J. Nano-Electron. Phys</p>	<p>2022</p>	<p>B-Scopus</p>	<p>14, n°.1</p>	<p>51-60</p>	<p><a href="https://jnep.sumdu.edu.ua/en/full_article/3413">https://jnep.sumdu.edu.ua/en/full_article/3413</a></p>

Publications internationales	Circularly polarized quasi-rectangular patch UWB antenna for GPR applications	Abdelhalim Chaabane, Mohammed Guerroui, Djelloul Aissaoui	Serbian Journal of Electrical Engineering	2022	B-Scopus	19	261-271	<a href="http://www.doiserbia.rs/Article.aspx?id=1451-48692203261C#.Y_J3jHbMLIU">http://www.doiserbia.rs/Article.aspx?id=1451-48692203261C#.Y_J3jHbMLIU</a>
	A Printed U-Shaped Coplanar Waveguide Feed UWB Antenna for GPR Applications	Mohammed Guerroui, Abdelhalim Chaabane, Samir Ikni, Ahcene Boualleg, Nassima Guebgoub, Omar Mahri	Advanced Electromagnetics	2022	B-Scopus	11	51-59	<a href="https://aemjournal.org/index.php/AEM/article/view/1820">https://aemjournal.org/index.php/AEM/article/view/1820</a>
	Circularly Polarized UWB Antenna with Question Mark Shaped Patch for GPR Applications	Abdelhalim Chaabane, Mohammed Guerroui	Journal of Applied Research and Technology	2022	B-Scopus	20	274-283	<a href="https://jart.icat.unam.mx/index.php/jart/article/view/1637">https://jart.icat.unam.mx/index.php/jart/article/view/1637</a>
	Super UWB grooved and corrugated antenna for GPR application	Mohammed Guerroui, Abdelhalim Chaabane, Ahcene Boualleg	Periodica Polytechnica Electrical Engineering and Computer Science	2022	B-Scopus	66	31-37	<a href="https://pp.bme.hu/eecs/article/view/17221">https://pp.bme.hu/eecs/article/view/17221</a>

<p>Small signal model designing and robust decentralized tilt integral derivative TID controller synthesizing for twin rotor MIMO system</p>	<p>Mohammed Aidoud, Vicente Feliu-Batlle, Abdenmour Sebbagh, Moussa Sedraoui</p>	<p>International Journal of Dynamics and Control</p>	<p>2022</p>	<p>B-Scopus</p>	<p>10</p>	<p>1657-1673</p>	<p><a href="https://link.springer.com/article/10.1007/s40435-022-00916-6">https://link.springer.com/article/10.1007/s40435-022-00916-6</a></p>
<p>An improved sliding mode control for reduction of harmonic currents in grid system connected with a wind turbine equipped by a doubly-fed induction generator</p>	<p>S Bouraghda, K Sebaa, M Bechouat, M Sedraoui</p>	<p>Electrical engineering &amp; Electromechanics</p>	<p>2022</p>	<p>B-Scopus</p>		<p>47-55</p>	<p><a href="https://doi.org/10.20998/2074-272X.2022.2.08">https://doi.org/10.20998/2074-272X.2022.2.08</a></p>
<p>A new tuning rule for stabilized integrator controller to enhance the indirect control of incremental conductance MPPT algorithm: Simulation and practical implementation</p>	<p>Noureddine Bouarroudj, Boualam Benlahbib, Moussa Sedraoui, Vicente Feliu-Batlle, Mohcene Bechouat, Djamel Boukhetala, Fares Boudjema</p>	<p>Optik</p>	<p>2022</p>	<p>B-Scopus</p>	<p>268</p>	<p>169728</p>	<p><a href="https://doi.org/10.1016/j.ijleo.2022.169728">https://doi.org/10.1016/j.ijleo.2022.169728</a></p>

<p>Improvement of the Standard Perturb &amp; Observe MPPT control strategy by the proposed Fuzzy Logic Mechanism for a Cascade Regulation of a PMSM-based PV pumping system</p>	<p>Djamel Taibi, Toufik Amieur, Tahar Laamayad, Moussa Sedraoui</p>	<p>Arabian Journal for Science and Engineering</p>	<p>2022</p>	<p>B-Scopus</p>		<p>1 17</p>	<p><a href="https://link.springer.com/article/10.1007/s13369-022-07496-9">https://link.springer.com/article/10.1007/s13369-022-07496-9</a></p>
<p>Speed sensorless vector control of doubly fed induction machine using fuzzy logic control equipped with Luenberger observer</p>	<p>Laatra Yousfi, Sakina Aoun, Moussa Sedraoui</p>	<p>International Journal of Dynamics and Control</p>	<p>2022</p>	<p>B-Scopus</p>	<p>10</p>	<p>1876-1888</p>	<p><a href="https://link.springer.com/article/10.1007/s40435-022-00946-0">https://link.springer.com/article/10.1007/s40435-022-00946-0</a></p>
<p>A Voltage PID Controller Synthesis Based on a New Small-Signal Linear Model to Enhance the Performance of the Standard P &amp; O Algorithm Employed in Photovoltaic Panels</p>	<p>Siham Aissani, Sami Kahla, Mohcene Bechouat Toufik Amieur, Moussa Sedraoui</p>	<p>Arabian Journal for Science and Engineering</p>	<p>2022</p>	<p>B-Scopus</p>		<p>1 16</p>	<p><a href="https://link.springer.com/article/10.1007/s13369-022-07494-x">https://link.springer.com/article/10.1007/s13369-022-07494-x</a></p>

Publications internationales	<p>A new bio-inspired fuzzy immune PIADu structure with optimal PSO parameters tuning</p>	<p>Sofiane Gherbi, Ibtihal Benharkou, Mohcene Bechouat Moussa Sedraoui</p>	<p>International Journal of Dynamics and Control</p>	<p>2022</p>	<p>B-Scopus</p>		<p>1 13</p>	<p><a href="https://doi.org/10.1007/s40435-022-01039-8">https://doi.org/10.1007/s40435-022-01039-8</a></p>
	<p>Enhanced the modeling accuracy by the design of new photovoltaic models including the proposed nonlinear thermal resistors</p>	<p>Sami Kahla, Mohcene Bechouat, Toufik Amieur, Moussa Sedraoui, Hanni Guessoum</p>	<p>International Journal of Modelling and Simulation</p>	<p>2022</p>	<p>B-Scopus</p>		<p>1 13</p>	<p><a href="https://doi.org/10.1080/02286203.2022.2094646">https://doi.org/10.1080/02286203.2022.2094646</a></p>
	<p>Fuzzy Sliding Mode with adaptive gain control for nonlinear MIMO systems</p>	<p>Toufik AMIEUR, Djamel TAIBI, Mohcene BECHOUAT Sami KAHLA, Moussa SEDRAOUI</p>	<p>Romanian Journal of Information Technology and Automatic Control</p>	<p>2022</p>	<p>B-Scopus</p>	<p>32</p>	<p>95-108</p>	<p><a href="https://doi.org/10.33436/v32i3y202208">Romanian Journal of Information Technology and Automatic Control, Vol. 32, No. 3, 95-108, 2022 95</a> <a href="https://doi.org/10.33436/v32i3y202208">https://doi.org/10.33436/v32i3y202208</a></p>
	<p>All-optical 2R regenerator based on similariton-induced spectral broadening</p>	<p>GRAINI Leila SAOUCHI Kaddour</p>	<p>Optical Engineering</p>	<p>2022</p>	<p>B-Scopus</p>	<p>61</p>	<p>26109</p>	<p><a href="https://doi.org/10.1117/1.OE.61.2.026109">https://doi.org/10.1117/1.OE.61.2.026109</a></p>

Publications internationales	Performance evaluation of a 60-GHz RoF-OFDM system for wireless applications	Yahia S, Graini, L, Beddiaf S. al	Journal of Optics	2022	B-Scopus	51	194-202	<a href="https://doi.org/10.1007/s12596-021-00768-x">https://doi.org/10.1007/s12596-021-00768-x</a>
	'Spatiotemporal dynamics of self-similar parabolic pulse evolution in multimode fibers	Leila Graini Bülend Ortaç	Optical and Quantum Electronics	2022	B-Scopus	54	394	<a href="https://doi.org/10.1007/s11082-022-03783-9">https://doi.org/10.1007/s11082-022-03783-9</a>
	Features extraction and reduction techniques with optimized SVM for Persian/Arabic handwritten digits recognition	Bouchene, M.M., Boukharouba, A	Iran Journal of Computer Science	2022	B	5	247-265	<a href="https://link.springer.com/article/10.1007/s42044-022-00106-9">https://link.springer.com/article/10.1007/s42044-022-00106-9</a>

*Productions Scientifiques 2022*

*Communications*

<i>Titre</i>	<i>Auteurs</i>	<i>Intitulé de manifestation</i>	<i>Année</i>	<i>Proceeding de la conférence indexé dans Scopus ( oui /non )</i>	<i>Volume</i>	<i>Page</i>	<i>URL</i>
<i>Birefringent Pulse Shaper Using Non-identical Crystals</i>	<i>Driouche Youcef, Rachid Hamdi, Leila Graini, Halassi Abderezzaq Badr-Eddine Benkelfat</i>	<i>International Conference on Optics, Photonics and Lasers (OPAL' 2022), Tenerife (Canary Islands), Spain</i>	<i>2022</i>	<i>oui</i>			<a href="https://www.opal-conference.com/">https://www.opal-conference.com/</a>
<i>Tunable all-optical time-to-frequencymappingbased on XPM usingparabolicpump pulses</i>	<i>Youcef Driouche, Hamdi Rachid, Benkelfat Badr-Eddine, Graini Leila, Halassi Abderezzaq</i>	<i>Frontiers in Optics + Laser Science (FiO LS 2022), Rochester, New York, USA, 17-20 October, 2022</i>	<i>2022</i>	<i>oui</i>			<a href="https://doi.org/10.1364/FIO.2022.JW5B.15">https://doi.org/10.1364/FIO.2022.JW5B.15</a>

*Communications internationales*



<p>Temporal Talbot Effect in Birefringent Optical Filters for Multiplying Pulse Repetition Rates</p>	<p>Driouche Youcef, Rachid Hamdi, Leila Graini, Halassi Abderezzaq Badr-Eddine Benkelfat</p>	<p>Fifth International Conference on Optics, Photonics and Lasers (OPAL' 2022), Tenerife (Canary Islands), Spain</p>	<p>2022</p>	<p>oui</p>			<p><a href="https://www.opal-conference.com/">https://www.opal-conference.com/</a></p>
<p>Gain Improvement of Wideband Patch Antenna at Millimeter-wave Band Using Novel Metamaterial Superstrate</p>	<p>Abubakar Hamza, Abdelhalim Chaabane, Hussein Attia</p>	<p>16th European Conference on Antennas and Propagation (EuCAP)</p>	<p>2022</p>	<p>oui</p>			<p><a href="https://ieeexplore.ieee.org/abstract/document/9769308">https://ieeexplore.ieee.org/abstract/document/9769308</a></p>
<p>Improved face recognition under varying illumination conditions using webface-based local descriptors</p>	<p>Abdelhalim Boualleg, Doghmane Hakim, Mohamed Deriche, Bourouba Houcine, Moussa Sedraoui, Menasria Azzeddine</p>	<p>IEEE 21st international Ccnference on Sciences and Techniques of Automatic Control and Computer Engineering (STA)</p>	<p>2022</p>	<p>oui</p>		<p>375-379</p>	<p><a href="https://ieeexplore.ieee.org/document/10019197">https://ieeexplore.ieee.org/document/10019197</a></p>

Communications internationales	The Impact of the Power Allocation coefficients and Imperfect SIC in PD NOMA Technique	AYAD Soulef ATROUCHE Mabrouk	Fifth International Conference on Electrical Engineering And Control Applications ICEECA'22	2022	oui			<a href="https://iceeca.org/">https://iceeca.org/</a>
	Performance of hybrid OFDM-OCMA link for new generation (5G)	Hanane Djellab, fouzia maamri Yaccoub Diallo	Fifth International Conference on Electrical Engineering And Control Applications ICEECA'22	2022	oui			<a href="https://iceeca.org/">https://iceeca.org/</a>

Communications internationales	Medical monitoring system based on the internet of things technology	abdelhakim sahour Farouk BOUMEHREZ	Fifth International Conference on Electrical Engineering And Control Applications ICEECA'22	2022	oui			<a href="https://iceeca.org/">https://iceeca.org/</a>
	Implementation of Wavelet Transform analysis filter using FPGA	abdelhakim sahour Farouk BOUMEHREZ	Fifth International Conference on Electrical Engineering And Control Applications ICEECA'22	2022	oui			<a href="https://iceeca.org/">https://iceeca.org/</a>