

Liste des productions scientifiques (publication, communication,)
Année 2021

Etablissement Universitaire: Université 8 Mai 1945 Guelma
Faculté: Sciences et de la Technologie
Laboratoire : Télécommunications (LT)

| Productions Scientifiques 2021 | | | | | | | | |
|-------------------------------------|---|---|-------------------------|-------|---|--------|---------|---|
| Publications | | | | | | | | |
| | Titre | Auteurs | Revue | Année | Catégorie de la revue: A+ , A , B-Scopus, B-non Scopus, non classée | Volume | Page | URL |
| <i>Publications internationales</i> | <i>Small-signal modeling and robust multi-loop PID and H_{∞} controllers synthesis for a self-excited induction generator</i> | <i>M Demirtas, H Calgan, T Amieur, M Sedraoui</i> | <i>ISA transactions</i> | 2021 | A+ | 117 | 234-250 | https://doi.org/10.1016/j.isatra.2021.01.059 |

Publications internationales

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|--|--|---|-------------|----------|----------------|------------------|--|
| <p><i>A new robust tilt-PID controller based upon an automatic selection of adjustable fractional weights for permanent magnet synchronous motor drive control</i></p> | <p>T Amieur, M Bechouat, M Sedraoui, S Kahla, H Guessoum</p> | <p><i>Electrical Engineering</i></p> | <p>2021</p> | <p>A</p> | <p>103 N°3</p> | <p>1881-1898</p> | <p>https://link.springer.com/article/10.1007/s00202-020-01192-3</p> |
| <p><i>General Raina fractional integral inequalities on coordinates of convex functions</i></p> | <p><i>D. Baleanu, A. Kashuri, P.O. Mohammed, B. Meftah</i></p> | <p>ADVANCES IN DIFFERENCE EQUATIONS</p> | <p>2021</p> | <p>A</p> | <p>2021</p> | <p>23</p> | <p>https://doi.org/10.1186/s13662-021-03241-y</p> |
| <p><i>Conformable fractional Hermite-Hadamard type inequalities for product of two harmonic s-convex functions</i></p> | <p>B. Meftah, M. Benssaad, W. Kaidouchi and S. Ghomrani</p> | <p>PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY</p> | <p>2021</p> | <p>A</p> | <p>149</p> | | <p>https://doi.org/10.1090/proc/15396</p> |
| <p><i>Fractional weighted Ostrowski type inequalities and their applications</i></p> | <p><i>A. Kashuri, B. Meftah, P. O. Mohammed, A. A. Lupa, B. Abdalla, Y. S. Hamed and T. Abdeljawad</i></p> | <p>SYMMETRY</p> | <p>2021</p> | <p>A</p> | <p>13</p> | <p>968</p> | <p>https://www.mdpi.com/2073-8994/13/6/968</p> |
| <p><i>Some weighted Ostrowski type inequalities for differentiable preinvex functions</i></p> | <p>B. Meftah and A. Souahi</p> | <p>MATHEMATICAL METHODS IN THE APPLIED SCIENCES</p> | <p>2021</p> | <p>A</p> | <p>44</p> | <p>14892</p> | <p>https://onlinelibrary.wiley.com/doi/abs/10.1002/mma.7751</p> |
| <p><i>A single-layer metallo-dielectric superstructure for enhancing the performances of EBG cavity antenna</i></p> | <p>Abdelhalim Chaabane, Hussein Attia, Farid Djahli, Tayeb A. Denidni</p> | <p><i>Journal of Electrical Engineering</i></p> | <p>2021</p> | <p>A</p> | <p>72 N°1</p> | <p>53-60</p> | <p>https://doi.org/10.2478/jee-2021-0008</p> |

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|-------------------------------------|--|---|---|------|-----------------|---------|-----------|---|
| <i>Publications internationales</i> | <i>Multiband Stepped Antenna for Wireless Communication Applications</i> | Abdelhalim Chaabane, Omar Mahri , Djelloul Aissaoui, Nassima Guebgoub | <i>Informacije MIDE M</i> | 2021 | A | 50 | 275-285 | https://doi.org/10.33180/InfMIDEM2020.405 |
| | <i>Chaotic-precoder based PAPR reduction in MIMO SFBC-OFDM</i> | Mekhancha Sarra , Abed Djamel, Boualleg Ahcene | <i>International Journal of Electronics Letters</i> | 2021 | <i>B-Scopus</i> | 9 N° 2 | 21 | https://www.tandfonline.com/doi/full/10.1080/21681724.2019.1692370 |
| | <i>Coplanar Waveguide-fed UWB Slotted Antenna with notched-band performance</i> | Aissaoui Djelloul, Chaabane Abdelhalim , Boualleg Ahcene | <i>Periodica Polytechnica Electrical Engineering and Computer Science</i> | 2021 | <i>B-Scopus</i> | 65 N° 1 | 5 | https://pp.bme.hu/eecs/article/view/15869/8984 |
| | <i>MIMO CPW-Fed Bent Antenna Based USB Dongle for ECMA-368 WPANs</i> | Beddiafi Yazid , Abed Djamel, Boualleg Ahcene | <i>Advanced Electromagnetics (AEM)</i> | 2021 | <i>B-Scopus</i> | 10 N°3 | 8 | https://aemjournal.org/index.php/AEM/article/download/1676/551 |
| | <i>Maximum power extraction framework using robust fractional-order feedback linearization control and GM-CPSO for PMSG-based WECS</i> | S Kahla, M Bechouat , T Amieur , M Sedraoui , B Babes, N Hamouda | <i>Wind Engineering</i> | 2021 | <i>B-Scopus</i> | 45 N°4 | 1040-1054 | https://doi.org/10.1177/0309524X20948263 |

Publications internationales

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|--|---|--|-------------|------------------------|-----------|---------------|--|
| <p><i>Fuzzy based incremental conductance algorithm stabilized by an optimal integrator for a photovoltaic system under varying operating conditions</i></p> | <p><i>Noureddine Bouarroudj, Boualam Benlahbib, Yehya Houam, Moussa Sedraoui, Vicente Feliu Batlle, Thameur Abdelkrim, Djamel Boukhetala, Fares Boudjema</i></p> | <p><i>Energy Sources, Part A: Recovery, Utilization, and Environmental Effects</i></p> | <p>2021</p> | <p><i>B-Scopus</i></p> | | <p>001-26</p> | <p>https://doi.org/10.1080/15567036.2021.1955049</p> |
| <p><i>Some new Hermite-Hadamard type inequalities for n-times log-convex functions</i></p> | <p>B. Meftah and C. Marrouche</p> | <p><i>Jordan Journal of Mathematics and Statistics</i></p> | <p>2021</p> | <p><i>B-Scopus</i></p> | <p>14</p> | <p>651</p> | <p>https://journals.yu.edu.jo/jjms/Issues/Vol14No42021PDF/4.html</p> |
| <p><i>Fractional Hermite-Hadamard type integral inequalities for functions whose modulus of the mixed derivatives are co-ordinated (log, (α,m))-preinvex</i></p> | <p>S. Ghomrani, B. Meftah, W. Kaidouchi and M. Benssaad</p> | <p><i>Afrika Matematika</i></p> | <p>2021</p> | <p><i>B-Scopus</i></p> | <p>32</p> | <p>925</p> | <p>https://doi.org/10.1007/s13370-021-00870-0</p> |
| <p><i>Super UWB Grooved and Corrugated Antenna for GPR Application</i></p> | <p>Mohammed Guerroui, Abdelhalim Chaabane, Ahcene Boualleg</p> | <p><i>Periodica Polytechnica Electrical Engineering and Computer Science</i></p> | <p>2021</p> | <p><i>B-Scopus</i></p> | | | <p>https://doi.org/10.3311/PPee.17221</p> |

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| <i>Publications internationales</i> | <i>Printed UWB rhombus shaped antenna for GPR applications</i> | Abdelhalim Chaabane, Mohammed Guerroui | <i>Iranian Journal of Electrical and Electronic Engineering</i> | 2021 | <i>B-Scopus</i> | 73N°4 | 2041-2041 | http://ijeee.iust.ac.ir/article-1-2041-en.html |
| | <i>Impact of Transceiver Parameters on the Achievable Data Rate in MIMO Visible Light Communication System</i> | Halim Chouabia , Abdesselam Babouri, Ameur Chaabna, Xun Zhang, Jamel Nebhen, Zine Eddine Meguetta | <i>Telecommunications and Radio Engineering</i> | 2021 | <i>B</i> | 80 | 35-50 | https://dl.begellhouse.com/journals/0632a9d54950b268,1b8f8c7b0ffc8c80,061f0d5e5b93ce4b.html |
| | <i>Integral inequalities via harmonically h-convexity</i> | M. Merad, B. Meftah and A. Souahi | <i>Moroccan Journal of Pure and Applied Analysis</i> | 2021 | <i>B- non scopus "De Gruyter"</i> | 7 | 385 | https://www.sciendo.com/article/10.2478/mj-paa-2021-0026 |
| | <i>Telehealth care enhancement using the internet of things technology," Bulletin of Electrical Engineering and Informatics</i> | Farouk Boumehrez , Abdelhakim Sahour, Nouredine Doghmane | <i>Bulletin of Electrical Engineering and Informatics</i> | 2021 | <i>B-Scopus</i> | 10 N°5 | 2652-2660 | https://doi.org/10.11591/eei.v10i5.2968 |
| | <i>Greenhouse Climate Controller by Using of Internet of Things Technology and Fuzzy Logic</i> | Abdelhakim Sahour, Farouk Boumehrez , Mohamed benouaret, Azzouz Mokhneche | <i>Instrumentation Mesure Métrologie</i> | 2021 | <i>B-Scopus</i> | 20 N°1 | 29-38 | https://doi.org/10.18280/i2m.200105 |

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|-------------------------------------|---|--|---|------|--------------------|--------|---------|---|
| <i>Publications internationales</i> | <i>Analysis and Compensation of Chromatic Dispersion in Long-hauls Optical Coherent System</i> | Narimane HADJADJI, Rachid HAMDI | <i>Periodica Polytechnica Electrical Engineering and Computer Science</i> | 2021 | <i>B-Scopus</i> | 65 N°4 | 281–289 | 10.3311/PPee.15198 |
| | <i>Investigating the Equivalent Source and the Plane Wave Spectrum Methods in Predicting the Magnetic Field Behavior in the Vicinity of Microstrip Patch Antenna for Bluetooth and Wi-Fi Applications</i> | Mohamed Amine Benchana , Abdesselam Babouri, Zouheir Riah, Abderrezak Khalfallaoui , Abdelaziz Ladjimi, Jamel Nebhen | <i>Progress In Electromagnetics Research C</i> | 2021 | <i>B-Scopus</i> | 113 | 29-46 | https://www.jpier.org/PIERC/pier.php?paper=21033002 |
| | <i>Ostrowski type inequalities for n-times modified (h,m)-convex functions</i> | B. Meftah A. Souahi | <i>Bulletin of the Allahabad Mathematical Society</i> | 2021 | <i>non classée</i> | 36 | 651 | https://journalofinequalitiesandapplications.springeropen.com/articles/10.1186/1029-242X-2013-326 |
| | <i>Some new Čebyšev type inequalities for functions whose modulus of the mixed derivatives are co-ordinated quasi-, (α, QC)- and (s, QC)-convex</i> | B. Meftah A. Souahi | <i>Engineering and Applied Science Letters</i> | 2021 | <i>non classée</i> | 4 | 14 | https://pisrt.org/psrpress/journals/easl-vol-4-issue-1-2021/cebysev-inequalities-for-co-ordinated-qc-convex-and-sqc-convex/ |

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| <i>Publications internationales</i> | <i>Note on the weighted midpoint type inequalities having the Hölder condition</i> | B. Meftah <i>D. Bouchemel</i> | <i>Journal of Fractional Calculus and Nonlinear Systems</i> | 2021 | <i>non classée</i> | 1 | 51 | https://www.sabapub.com/index.php/jfcns/article/view/220 |
| | <i>On Ostrowski type inequalities via strongly s-Godunova-Levin functions</i> | B. Meftah <i>A. Azaizia</i> | <i>Journal of New theory</i> | 2021 | <i>non classée</i> | 34 | 1 | https://dergipark.org.tr/en/pub/jnt/issue/61070/543591 |

Communications

| | Titre | Auteurs | Intitulé de manifestation | Année | Proceeding de la conférence indexé dans Scopus (oui /non) | Volume | Page | URL |
|----------------------------------|---|---|--|--------------|--|---------------|-------------|---|
| <i>Communications nationales</i> | <i>A Novel Multi-Ring Ultra-Wideband Antenna for Wireless communication Systems</i> | Abdelhalim Chaabane, Mohammed Guerroui | <i>Conférence Nationale sur les Télécommunications et ses applications (CNTA'21)</i> | 2021 | / | / | / | https://sites.google.com/view/cnta21 |

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|---------------------------------------|--|---|---|------|-----|--|--|---|
| <i>Communications internationales</i> | <i>Elliptical Shaped UWB Antenna with Broadband Circularly Polarized Antenna for GPR Application</i> | Guerroui Mohammed, Chaabane Abdelhalim, Boualleg Ahcene | <i>International Conference on Advances in Communication Technology, Computing and Engineering ICACTCE'21</i> | 2021 | Non | | | https://sites.google.com/view/icactce21/home |
| | <i>Robust Dual Polarization Encryption Scheme based on a Tailored Pixelated Polarizer</i> | <i>Chachoua Marwan Dhiya Eddine, Hamdi Rachid, Ayman Alfalou, Halassi Abderezzaq</i> | <i>,FiO LS Frontiers in Optics + Laser Sciences Conference, OPTICA Formerly OSA</i> | 2021 | Oui | | | https://opg.optica.org/ViewMedia.cfm?uri=FiO-2021-FW5B.2&seq=0 |
| | <i>Far Field Prediction From Near Field Using the Plane Wave Spectrum Method</i> | <i>Mohamed Amine Benchana, Abderrezak Khalfallaoui, Abdelhalim Chaabane, Abdesselam Babouri, Abdelaziz Ladjimi Zouheir Riah</i> | <i>International Conference on Advances in Communication Technology, Computing and Engineering ICACTCE'21</i> | 2021 | Non | | | https://sites.google.com/view/icactce21/home |

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| <i>Communications internationales</i> | <i>State Feedback Control of DC-DC Converter Using LQR Integral Controller and Kalman Filter Observer</i> | <i>Djamel Taibi, Toufik Amieur, Mohcene Bechouat, Sami Kahla, Moussa Sedraoui</i> | <i>International Conference on Digital Technologies and Applications</i> | 2021 | Oui | | 1699-1709 | https://link.springer.com/chapter/10.1007/978-3-030-73882-2_154 |
| | <i>Sensorless Control of DC-DC Converter Using Integral State Feedback Controller and Luenberger Observer</i> | <i>Djamel Taibi, Toufik Amieur, Mohcene Bechouat, Moussa Sedraoui, Sami Kahla</i> | <i>International Conference on Digital Technologies and Applications</i> | 2021 | Oui | Vol 117 | | https://link.springer.com/chapter/10.1007/978-3-030-73882-2_134 |
| | <i>A CPW-fed amended U-shaped monopole UWB antenna for surfaces penetrating applications</i> | <i>Mohammed Guerroui, Abdelhalim Chaabane, Ahcene Boualleg</i> | <i>2021 3rd International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA), turkey</i> | 2021 | Oui | | | https://ieeexplore.ieee.org/document/9461286 |
| | <i>A Novel Broadband Partially Reflective Surface Superstrate for mm-Wave Printed Antennas</i> | <i>Lamine Mohamed Abdelghani, Abdelhalim Chaabane, Hussein Attia</i> | <i>2021 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting (APS/URSI)</i> | 2021 | Oui | | | https://doi.org/10.1109/APS/URSI47566.2021.9704655 |

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| <i>Communications internationales</i> | <i>A Novel Partially Reflective Layer for Improving the Performance of X-Band Printed Antennas</i> | <i>Abdelhalim Chaabane, Lamine Mohamed Abdelghani, Hussein Attia</i> | <i>2021 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting (APS/URSI)</i> | <i>2021</i> | <i>Oui</i> | | https://ieeexplore.ieee.org/document/9704764 |
| | <i>A Novel 0.5 GHz / 2 GHz Dual-Band Antenna for Surfaces Penetrating Application</i> | <i>Abderrezak Khalfallaoui, Abdelhalim Chaabane, Abdesselam Babouri</i> | <i>International Conference on Advances in Communication Technology, Computing and Engineering ICACTCE'21</i> | <i>2021</i> | <i>Non</i> | | https://sites.google.com/view/icactce21/home |
| | <i>Indoor positioning system based on low complexity hybrid algorithm using VLC</i> | <i>Ameur Chaabna, Abdesselam Babouri, Abdelaziz Ladjimi, Halim Chouabia, Takoua Hafsi and Xun Zhang</i> | <i>RGN Publications, (ICACTCE'21) Morocco, 2021</i> | <i>2021</i> | <i>Non</i> | | https://sites.google.com/view/icactce21/home |

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| <p style="text-align: center;"><i>Communications internationales</i></p> | <p><i>Experimental Demonstration of V2V Communication System based on VLC Technology for Smart Transportation</i></p> | <p><i>Ameur Chaabna, Abdesselam Babouri, Halim Chouabia, Takoua Hafsi, Zine Eddine Meguetta and Xun Zhang</i></p> | <p><i>5th International Conference on Artificial Intelligence in Renewable Energetic Systems IC-AIRES2021 Tipasa, Algeria, November 22-24, 2021.</i></p> | <p>2021</p> | <p>Oui</p> | | | <p>https://sites.google.com/view/icactce21/home</p> |
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