

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 : Mécanique et Structures

<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>RSM Modelling, and Multi-Object Optimization of Turning Parameters for Polyamide (PA66) Using PCA and PCA Coupled with TOPSIS</i>	<i>Ahmed ZAIDI, Sebti Boucherit, Mohamed Athmane YALLESE, Salim BELHADI, Mounia KADDECHE</i>	<i>Mechanics</i>	<i>2022</i>	<i>A</i>	<i>28</i>	<i>499-508</i>	http://dx.doi.org/10.5755/j02.mech.30394
<i>Modeling and optimization of machining parameters to minimize surface roughness and maximize productivity when turning polytetrafluoroethylene (PTFE)</i>	<i>Afef Azzi, Lakhdar Boulanouar, Aissa Laouisi, Alima Mebrek, Mohamed Athmane Yallese</i>	<i>The International Journal of Advanced Manufacturing Technology</i>	<i>2022</i>	<i>A</i>	<i>123</i>	<i>407-430</i>	http://dx.doi.org/10.1007/s00170-022-10160-z

Publications internationales

Publications internationales	<p>Evaluation of the cutting performance of PVD, CVD and MTCVD carbide inserts in dry turning of AISI 4140 steel using RSM-based NAMDE optimization</p>	<p>Billel Hamadi, Mohamed Athmane Yallese, Lakhdar Boulanouar, Abderazek Hammoudi, Mourad Nouioua</p>	<p>Journal of the Brazilian Society of Mechanical Sciences and Engineering</p>	2022	A	44	342	<p>http://dx.doi.org/10.1007/s40430-022-03633-5</p>
	<p>Tool wear, 3D surface topography, and comparative analysis of GRA, MOORA, DEAR, and WASPAS optimization techniques in turning of cold work tool steel</p>	<p>Khaoula Safi, Mohamed Athmane Yallese, Salim Belhadi, Tarek Mabrouki, Aissa Laouissi</p>	<p>The International Journal of Advanced Manufacturing Technology</p>	2022	A	121	701-721	<p>http://dx.doi.org/10.1007/s00170-022-09326-6</p>
	<p>Parametric study and multi-criteria optimization during turning of X210Cr12 steel using the desirability function and hybrid Taguchi-WASPAS method</p>	<p>Khaoula Safi, Mohamed Athmane Yallese, Salim Belhadi, Tarek Mabrouki, Salim Chihaoui</p>	<p>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</p>	2022	A	236	8401-8420	<p>http://dx.doi.org/10.1177/09544062221086171</p>

Publications internationales	<p>Tool vibration, surface roughness, cutting power, and productivity assessment using RSM and GRA approach during machining of Inconel 718 with PVD-coated carbide tool</p>	<p>Ilyas Kouahla, Mohamed Athmane Yallese, Salim Belhadi, Khaoula Safi, Mourad Nouioua</p>	<p>The International Journal of Advanced Manufacturing Technology</p>	<p>2022</p>	<p>A</p>	<p>122</p>	<p>1835-1856</p>	<p>http://dx.doi.org/10.1007/s00170-022-09988-2</p>
	<p>Modeling and Optimization of Cutting Parameters When Turning EN-AW-1350 Aluminum Alloy</p>	<p>F Khrouf, H Tebassi, MA Yallese, K Chaoui, A Haddad</p>	<p>International Journal of Applied Mechanics and Engineering</p>	<p>2022</p>	<p>B</p>	<p>27</p>	<p>124-142</p>	<p>http://dx.doi.org/10.2478/ijame-2022-0024</p>
	<p>Evaluation of: MOSSA, MOALO, MOVO and MOGWO algorithms in green machining to enhance the turning performances of X210Cr12 steel</p>	<p>Mourad Nouioua, Aissa Laouissi, Riad Brahami, Mohamed Mossaab Blaoui, Abderazek Hammoudi, Mohamed Athmane Yallese</p>	<p>The International Journal of Advanced Manufacturing Technology</p>	<p>2022</p>	<p>A</p>	<p>120</p>	<p>2135-2150</p>	<p>http://dx.doi.org/10.21203/rs.3.rs-1110052/v1</p>

Publications internationales	RSM-based MOALO optimization and cutting inserts evaluation in dry turning of AISI 4140 steel	Billel Hamadi, Mohamed Athmane Yallese, Lakhdar Boulanouar, Mourad Nouioua, Abderazek Hammoudi	STRUCTURAL ENGINEERING AND MECHANICS	2022	A	84	17-33	http://dx.doi.org/10.12989/sem.2022.84.1.017
	Comparative Study to Optimize Surface Roughness of the Titanium Alloy Ti-6Al-4V by Applying Taguchi, RSM and TLBO Methods	Younes Belbellaa, Nabil Kribes, Mohamed Athmane Yallese, Habiba Lekmine, Smail Boutabba, Abderrezak Bezazi	Periodica Polytechnica Mechanical Engineering	2022	B			http://dx.doi.org/10.3311/PPme.17911
	A Comparative Study of the Performance of Uncoated, PVD, CVD and MTCVD Coated Carbide Inserts in Dry Turning of AISI4140 Steel	Billel Hamadi, Mohamed Athmane Yallese, Lakhdar Boulanouar, Ahmed Khellaf, Abdelkrim Haddad	Periodica Polytechnica Mechanical Engineering	2022	B	236	1049- 1066	http://dx.doi.org/10.3311/PPme.18591

Publications internationales	<p>Manufacturing of β-type NbXTi (X=50 at%)/SWCNTs Matrix Nanocomposites by FAST-SPS: For Metallic Orthopedic Components and Superconductor Magnets in ITER</p>	<p>Badis Bendjemil, Khaoula Safi, Ilyas Kouahla, Jacques Guillaume Noudem, Mohamed Mouyane, Jérôme Bernard, David Houivet</p>	<p>Nanotechnology and Advanced Material Science</p>	2022	C	5	2	<p>https://scholar.google.fr/citations?view_op=view_citation&hl=fr&user=kWs5qrMAAAAJ&sortby=pubdate&citation_for_view=kWs5qrMAAAAJ:UeHWp8X0CEIC</p>
	<p>Gears and bearings combined faults detection using optimized wavelet packet transform and pattern recognition neural networks</p>	<p>Issam Moumene, Nouredine Ouelaa</p>	<p>The International Journal of Advanced Manufacturing Technology</p>	2022	A	120	4335-4354	<p>https://scholar.google.com/citations?view_op=view_citation&hl=en&user=In6-u0IAAAAJ&sortby=pubdate&citation_for_view=In6-u0IAAAAJ:q3oQSFYPqjQC</p>
	<p>Vibroacoustic modeling and radiation impedances of a finite cylindrical shell filled with flowing fluid</p>	<p>Nouredine Ouelaa, Mohamed Cherif Djamaa, B Laulagnet, JL Guyader</p>	<p>Journal of Fluids and Structures</p>	2022	A	113	103676	<p>https://scholar.google.com/citations?view_op=view_citation&hl=en&user=In6-u0IAAAAJ&sortby=pubdate&citation_for_view=In6-u0IAAAAJ:olpn-zPbct0C</p>

Publications internationales	<p>Static and fatigue compression behaviour of conventional and auxetic open-cell foam</p>	<p>Karima Bouchahdane, Nouredine Ouelaa, Ahmed Belaadi</p>	<p>Mechanics of Advanced Materials and Structures</p>	<p>2022</p>	<p>A</p>	<p>29</p>	<p>6154-6167</p>	<p>https://scholar.google.com/citations?view_op=view_citation&hl=en&user=In6-u0IAAAAJ&sortby=pubdate&citation_for_view=In6-u0IAAAAJ:q3oQSFYPqjOC</p>
	<p>Modal analysis of biocomposite materials beams reinforced by Washingtonia Filifera natural fibers</p>	<p>Djamel Edinne Gaagaia, Ramdane Younes, Nouredine Ouelaa, Nadir Boutasseta</p>	<p>JOURNAL OF VIBROENGINEERING</p>	<p>2022</p>	<p>A</p>	<p>24</p>	<p>1502-1511</p>	<p>https://scholar.google.com/citations?view_op=view_citation&hl=en&user=In6-u0IAAAAJ&sortby=pubdate&citation_for_view=In6-u0IAAAAJ:_B80troHkn4C</p>

Publications internationales	<p><i>Straight turning optimization of low alloy steel using MCDM methods coupled with Taguchi approach</i></p>	<p>Salah Hadjela, Salim Belhadi, Nouredine Ouelaa, Khaoula Safi, Mohamed Athmane Yallese</p>	<p><i>The International Journal of Advanced Manufacturing Technology</i></p>	2022	A		1-15	<p>https://scholar.google.com/citations?view_op=view_citation&hl=en&user=In6-u0IAAAAJ&sortby=pubdate&citation_for_view=In6-u0IAAAAJ:HE397vMXCl0C</p>
	<p><i>Comparative study between objective and subjective methods for identifying the gravity of single and multiple gear defects in case of noisy signals</i></p>	<p>Zakarya Ouelaa, Ramdane Younes, Abderrazek Djebala, Nacer Hamzaoui, Nouredine Ouelaa</p>	<p><i>Applied Acoustics</i></p>	2022	A	185	108432	<p>https://scholar.google.com/citations?view_op=view_citation&hl=en&user=In6-u0IAAAAJ&sortby=pubdate&citation_for_view=In6-u0IAAAAJ:mvPsJ3kp5DgC</p>

Productions Scientifiques 2022

Communications

Titre

Auteurs

*Intitulé de
manifestation*

Année

*Proceeding
de la
conférence
indexé dans
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/non)*

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Communications nationales

*ANN Modeling of
surface roughness when
green turning process of
grey cast iron with CBN
tool*

*1st National
Conference on
Thermal
Engineering -
Renewable and
Conventional
Process, Batna*

2022

http://conference.univ-batna2.dz/ncte22_

*Performance of
CVD-Coated Carbide Tool
in dry turning of AISI
D3 steel*

*1nd National
Conference on
Thermal
Engineering -
Renewable and
Conventional
Process, Batna*

2022

<http://conference.univ-batna2.dz/ncte23>

Communications nationales	<p>Modeling and Optimization of Cutting Parameters During the Machining of a High-Alloy Steel in an MQL environment</p>	<p>Khaoula Safi, Mohamed Athmane Yallese, Salim Belhadi, Hanane Boumaza, Tarek Mabrouki</p>	<p>1st National Conference on Materials Sciences and Engineering (MSE'22) June 28-29th 2022, Khenchela. Algeria</p>	<p>2022</p>	<p>Conference Proceedings Materials Sciences and Engineering ISBN: 978-9931-9603-2-4</p>	<p>70-71</p>	<p>https://www.jetjournal.org/index.php/ajet/announcement/view/9</p>
	<p>Modeling and Optimization of the Technological Parameters in the Turning of Inconel 718 Using the RSM and FD Methods</p>	<p>H. Boumaza, A. Haddad, S. Belhadi, M.A. Yallese, Safi Khaoula</p>	<p>1nd National Conference on Materials Sciences and Engineering (MSE'22) June 28-29th 2022, Khenchela. Algeria</p>	<p>2022</p>	<p>Conference Proceedings Materials Sciences and Engineering ISBN: 978-9931-9603-2-5</p>	<p>408-409</p>	<p>https://www.jetjournal.org/index.php/ajet/announcement/view/10</p>
	<p>Performance of cutting materials when machining gray cast iron EN-GJL-350</p>	<p>B.Gasmi, MA Yallese, Boucherit S, Belhadi S, Djouambi N</p>	<p>1st national conference on Materials Sciences and Engineering (MSE'22), June 28 & 29 , 2022</p>	<p>2022</p>			

Communications nationales	Modelling and optimization of cutting parameters during the machining of AISI1040 using RSM and EDAS method	Salah Hadjela, Salim Belhadi, Nouredine Ouelaa, Khaoula Safi, Mohamed Athmane Yallese	1st national conference on Materials Sciences and Engineering (MSE'22), June 28 & 29 , 2022	2022				
	Caractérisation dynamique et thermo-physique d'une poutre composite renforcée par des fibres naturelles,	A. LAYACHI , R.YOUNES, N.OUELAA, K.BELKAID, B.BOUBIR, H;AOUAICHIA, Y.YAKHLEF	2ème séminaire de génie civil "sngc20223 18-19 Décembre 2022	2022				
	Diagnostic of Mechanical Defects of a turbo-alternator using a hybrid Method Based on CEEMDAN and optimized WMRA	M.K.BABOURI, N.OUELAA, A.DJEBALA	1st national conference on Materials Sciences and Engineering (MSE'22), June 28 & 29 , 2022	2022	Conference Proceedings Materials Sciences and Engineering ISBN: 978-9931-9603			

Communications internationales	<p>OPTIMIZATION OF SURFACE ROUGHNESS, CUTTING FORCE AND MATERIAL REMOVED RATE DURING DRY MACHINING OF GAST IRON EN-GJL350 BASED ON TAGUCHI AND TOPSIS APPROACHES.</p> <p>OPTIMIZATION OF SURFACE ROUGHNESS, CUTTING FORCE AND MATERIAL REMOVED RATE DURING DRY MACHINING OF GAST IRON EN-GJL350 BASED ON TAGUCHI AND TOPSIS APPROACHES. OPTIMIZATION OF SURFACE ROUGHNESS, CUTTING FORCE AND MATERIAL REMOVED RATE DURING DRY MACHINING OF GAST IRON EN-GJL350 BASED ON TAGUCHI AND TOPSIS APPROACHES.</p>	<p>Gasmi B MA Yallese Bouchrit S Belhadi S Chihaoui S Pr. Mabrouki T</p>	<p>PRODUCTICA 2022</p>	<p>2022</p>				
	<p>MULTI-OBJECTIVE OPTIMIZATION OF CUTTING PARAMETERS DURING DRY MACHINING OF GRAY CAST IRON USING COCOSO APPROAC</p>	<p>B.Gasmi, MA Yallese, Boucherit S, Belhadi S, Djouambi N</p>	<p>ANKARA INTERNATIONAL CONGRESS ON SCIENTIFIC RESEARCH-VII held on December 2-4, 2022 / Ankara, Türkiye</p>	<p>2022</p>				

Communications internationales	Multi-Objective Optimization in Machining of Polyamide Composite Using NSGA-II coupled with TOPSIS/AHP	Septi Boucherit, Sabrina Haoues, Mohamed Athmane Yallese, Salim Belhadi, Mounia Kaddeche	International Conference on Mechanics and Energy December 21-23, 2022, Hammamet, TUNISIAICME'2022	2022				
	OPTIMIZATION OF SURFACE QUALITY, ENERGY CONSUMPTION AND PRODUCTIVITY DURING DRY MACHINING OF EN GJL-350 USING HYBRID TAGUCHI-MARCOS	B.Gasmi, MA Yallese, Boucherit S, Belhadi S, Djouambi N	INTERNATIONAL MEDITERRANEAN CONGRESS held on November 16-18, 2022 / Mersin, Türkiye	2022				
	Minimization Of Surface Quality And Maximization Of Productivity During Dry Turning Of Fg1-35 Cast Iron Using Marcos Method	B.Gasmi, MA Yallese, Boucherit S, Belhadi S, Djouambi N	3. INTERNATIONAL DICLE SCIENTIFIC RESEARCH AND INNOVATION CONGRESS 26-27 NOVEMBER 2022 DİYARBAKIR / TURKEY	2022				
	MULTI-OBJECTIVE OPTIMIZATION OF CUTTING PARAMETERS DURING THE DRY MACHINING OF GRAY CAST IRON USING HYBRID TAGUCHI-GRA	B.Gasmi, MA Yallese, Boucherit S, Belhadi S, Djouambi N	ANKARA INTERNATIONAL CONGRESS ON SCIENTIFIC RESEARCH-VII held on December 2-4, 2022 / Ankara, Türkiye	2022				