

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

Année 2024

Etablissement Universitaire: Université 8 Mai 1945 de Guelma

Faculté: Sciences et Technologies

Laboratoire: Mécanique Appliquée des Nouveaux Matériaux "LMANM"

	Productions Scientifiques 2024							
	Publications							
	Titre	Auteurs	Revue	Année	Catégorie de la revue: A+ , A , B-Scopus, B-non Scopus, C, non classée	Volume	Page	URL
Publications Internationales	Thermal behavior of mesoporous Aramid fiber reinforced silica aerogel composite for thermal insulation applications: microscale modeling	Wiem Nasri Ridha Djebali Zied Driss Abderrezak Bezazi Farid Mechighel Ali Jawad Chamkha Paulo Reis	Journal of Applied and Computational Mechanics	2024	A	10	140-151	https://jacm.scu.ac.ir/article_18499_b70cee23a6ba2dcd1f72c5ab8e4c3215.pdf
	Structural integrity assessment of corroded pipelines repaired with composite materials-Literature review	Aydin Levent Ghania Habbar Hocine Abdelkader Abderrezak Bezazi Abdelhakim Maizia Sidi Mohamed Medjdoub Fouad Sodki Kara Achira Mohamed Houcine Dhaou	International Journal of Pressure Vessels and Piping	2024	A	210	105253	Structural integrity assessment of corroded pipelines repaired with composite materials-Literature review-ScienceDirect

Publications Internationales	Viscoelasticity and impact behaviour of green epoxy bio-composites made of date palm leaflets	A Bezazi P Santos PNB Reis N Bouhemame H Boumediri Fabrizio Scarpa	Composite Structures	2024	A+	344	118347	Viscoelasticity and impact behaviour of green epoxy bio-composites made of date palm leaflets - ScienceDirect
	The Evaluation of Sandwich Composite Materials with Vegetable Fibers in a Castor Oil Polyurethane Matrix with Their Faces and Honeycomb Core Made in a 3D Printer	Abderrezak Bezazi S Dehaini Garcia M Valin Fernández A C Kieling J C de Macedo Neto G Garcia del Pino J L Valin Rivera A Rivera Torres F R Valenzuela Diaz	Polymers	2024	A	16	2980	The Evaluation of Sandwich Composite Materials with Vegetable Fibers in a Castor Oil Polyurethane Matrix with Their Faces and Honeycomb Core Made in a 3D Printer
	Using a Negative Poisson's Ratio to Mitigate Stress Concentrations in Perforated Composite Plates	Amine Harkati Said Chouai El Haddi Harkati Salah Ellagoune Abderrezak Bezazi Fabrizio Scarpa	physica status solidi (b)	2024	A	261	2400115	https://onlinelibrary.wiley.com/doi/pdf/10.1002/pssb.202400115
	A Comparative analysis of tensile characteristics of epoxy composites: assessing twarmat, woven glass, and woven carbon fiber reinforcements	K. Belkaid D. E. Gaagaia B. Boubir A. Deliou H. Aouaichia N. Boutasseta	Mechanics of Composite Materials	2024	A	60	789-800	https://doi.org/10.1007/s11029-024-10226-x

Publications Internationales	Effects of seawater and acidic environment on mechanical properties of iron powder-loaded glass/epoxy composite laminates: Experimental and analytical investigation	Gheid, Y. Chemami, A. Gaagaia, D. Aouaichia, H.	Research on Engineering Structures and Materials	2024	B-Scopus	10	1109-1123	http://dx.doi.org/10.17515/resm2024.116me1207rs
	Comparative Study of the Mechanical Properties of a Novel Epoxy Composite Material Reinforced by Bidirectional Woven Carbon Fabric and Hybrid Kevlar/E-Glass	D Gaagaia Tahar Temam Guettaf Khmissi Belkaid Badreddine Boubir Nadir Boutasseta Hamza Aouaichia Youssef Yakhlef	International Journal of Engineering Research in Africa	2024	B-Scopus	69	19-28	https://doi.org/10.4028/p-XZ0LI5
	The effect of age and wear on the mechanical performance of HDPE 80 polyethylene pipes	Noureddine Haddad Ahmed Belbah	Research on Engineering Structures and Materials (RESM)	2024	B-Scopus	10	1357-1371	http://www.jresm.org/archive/resm2024.131me1225rs.html

Publications Internationales	Fabrication and structural characterisation of ZrC-W cermet by spark plasma sintering: Application in ballistical projection	BENDJEMIL Badis Maram Mechi Khaoula Safi Mounir Ferhi K Horchani Naifer	Exp. Theo. NANOTECHNOLOGY	2024	Non Classée	8	51-66	https://doi.org/10.56053/8.3.51
	Detailed modeling and numerical analysis of thermo mechanical stresses in the crystalline silicon and thin film PV modules under varying climatic conditions	Said Diaf Salah Guenfoud Debra F. Laefer Badreddine Limane Cherif Ould-Lhoucine	Thermal Science and Engineering Progress	2024	A+	52	102625	https://doi.org/10.1016/j.tsep.2024.102625
	Verification of the Values of the Eigen Frequencies by the Modal Superposition Method	Hemza Gherdaoui Salah Guenfoud Abdelouahab Rezaiguia Siarhei Bosakov Debra F. Laefer	International Journal of Mechanics and Energy (IJME)	2024	Non classée	11	25-29	https://ijme.aicme.net/images/article/IJME_2024_05_141742.pdf

	<i>Productions Scientifiques 2024</i>							
	<i>Communications</i>							
	<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>Communications Nationales</i>	Mechanical behaviour of metamaterials having a negative Poisson's ratio (Auxetic) and structures of military vehicles, which are at risk to blast loads.	E.H. HARKATI A. HARKATI A. BEAZI F. SCARPA	The 14th Conference on Mechanical Engineering CME2024, May 07-08, 2024, Bordj El-Bahri, Algiers, Algeria	2024	Non	/	/	https://www.emp.mdn.dz/events/cme2024/index.html
	Benefits of using composite materials in the design of structures, pipes and tanks for hydrogen transport	Abderrezak BEAZI Mohamed BETTAYEB Abdelkader HOCINE Abdelhakim MAIZIA	7th Students Symposium on Engineering Application of Mechanics, Khenchela, April 29, 30, 2024	2024	Non	/	/	http://www.univ-chlef.dz/ar/?p=21131
	Benefit of the concept of composite sandwich structures and Auxetic structures in many industrial applications.	Abderrezak Bezazi	1er Congrès National de Génie Civil, Tebessa, 04-05 Décembre 2024, Algérie.	2024	Non	/	/	https://cngc24-itech.sciencesconf.org/?lang=fr&mibextid=WUa12a

Communications Nationales	Improving the mechanical properties of carbon-rich steels with chromium-based coatings	MALLA Meryem BELBAH Ahmed AISSANI Linda BEZAZI Abderezzak	7th Students Symposium on Engineering Application of Mechanics, Khenchela, April 29, 30, 2024	2024	Non	/	/	http://www.univ-chlef.dz/ar/?p=21131
	Scientific Inquiry Using Models & Its Application in Engineering	A. Haddad	The 14th Conference on Mechanical Engineering CME2024, May 07-08, 2024, Bordj El-Bahri, Algiers, Algeria	2024	Non	/	/	http://www.emp.mdn.dz/events/cme2024/index.html
	Enhancing surface quality, power consumption and tool life in dry machining of Ti-6Al-4V using TOPSIS based on Taguchi Approach	Abbed khaoula kribes nabil M.A Yallese S.Boutabba	The 1 st seminar on materials, process and microfabrication MPM24 24-25 novembre 2024 Alger Algerie	2024	Non	/	/	CDTA 1st Seminar on MPM 2024

Communications Internationales	Comparative Analysis of Pipeline Repair Methods: Focus on Composite Systems	Khaled Bachioua Allouti Mustapha Mohammed Bettayeb Abdelhakim Maizia Abderrezak Bezazi Abdelkader Hocine Omar Bouladroua Paulo N.B. Reis Fabrizio Scarpa	The 6 th International Conference on Applied Engineering and Natural Sciences	2024	Non	/	120	https://www.icaens.org/
	Evolution and Optimization of Composite Repair Systems for Pipelines: An Integrated and compartive Analysis	Khaled Bachioua Allouti Mustapha Mohammed Bettayeb Abdelhakim Maizia Abderrezak Bezazi Abdelkader Hocine Omar Bouladroua Paulo N.B. Reis Fabrizio Scarpa	The 1 st International Conference of Materials Engineering and Renewable Energy ICMERE 2024, November 9-11, Guelma -Algeria	2024	Non	/	/	ICMERE
	Extraction and characterisation of lignocellulosic fibres from a new Algerian wild plant	Fetimi Yaakoub Abderrezak Bezazi G Garcia delpino Paulo N.B.Reis Fabrizio Scarpa	The 6 th International Conference on Applied Engineering and Natural Sciences	2024	Non	/	105	https://www.icaens.org/

Communications Internationales	Exploration of a new lignocellulosic fiber from algerian local wild plant and determination of its properties	Fetimi Yaakoub Abderrezak Bezazi G Garcia delpino Paulo N.B.Reis Fabrizio Scarpa	The 1 st International Conference of Materials Engineering and Renewable Energy ICMERE 2024, November 9-11, Guelma -Algeria	2024	Non	/	/	ICMERE
	Theoretical and numerical analysis of the impact of fiber type and orientation on the strength of multilayer composite tubes subjected to internal pressure	BOULEDROUA Omar BETTAYEB Mohammed HOCINE Abdelkader MAIZIA Abdelhakim BEZAZI Abderrezak N B D Reis Paulo SCARPA Fabrizio	The 1 st International Conference of Materials Engineering and Renewable Energy ICMERE 2024, November 9-11, Guelma -Algeria	2024	Non	/	/	ICMERE
	Development of new biomortar reinforced by agricultural residue	BOUHEMAME Nacer BEZAZI Abderrezak P Nobre Balbis Dos SCARPA Fabrizio	The 1 st International Conference of Materials Engineering and Renewable Energy ICMERE 2024, November 9-11, Guelma -Algeria	2024	Non	/	/	ICMERE
	Characterization of a new fiber extracted from a natural plant	HAFSI Lakhdar GUEBAILIA Moussa BEZAZI Abderrezak R Paulo Nobre Balbis SCARPA Fabrizio	The 1 st International Conference of Materials Engineering and Renewable Energy ICMERE 2024, November 9-11, Guelma -Algeria	2024	Non	/	/	ICMERE

Communications Internationales	Experimental and RSM analysis of the mechanical behavior of Bio-mortar reinforced date palm surface fibers for thermal insulation	KHELIFA Hocine BEZAZI Abderrezak R Paulo Nobre Balbis SCARPA Fabrizio	The 1 st International Conference of Materials Engineering and Renewable Energy ICMERE 2024, November 9-11, Guelma -Algeria	2024	Non	/	/	ICMERE
	Study of mechanical behaviour of bio-composites in cyclic fatigue	BOUCHELAGHEM Hafida D Gilberto Garcia BEZAZI Abderrezak R Paulo Nobre Balbis SCARPA Fabrizio	The 1 st International Conference of Materials Engineering and Renewable Energy ICMERE 2024, November 9-11, Guelma -Algeria	2024	Non	/	/	ICMERE
	Evaluation Of Sandwich Composites Using Sisal Fibers With Alkaline Treatment And Epoxy Resin On The Faces With Petg And Pla Honeycomb Core Obtained By 3d Printer	A Bezazi AR Torres JCM Neto SD Garcia DL Dantas CG Costa MD dos Santos AC Kieling G Garcia del Pino	The 1 st International Conference of Materials Engineering and Renewable Energy ICMERE 2024, November 9-11, Guelma -Algeria	2024	Non	/	/	ICMERE
	The Mechanical and Tribological Properties of TiN Films on XC100 Steel Substrates	MALLA Meryem AISSANI Linda BEZAZI Abderezzak R P Nobre Balbis Dos BELBAH Ahmed SCARPA Fabrizio	1st International Conference of Materials Engineering and Renewable Energy ICMERE 2024, November 9-11, Guelma -Algeria	2024	Non	/	/	ICMERE

Communications Internationales	Study of polyethylene PEHD materials under impact test after early natural and artificial aging	Haddad NOUREDDINE Belbah AHMED	1st International Conference of Materials Engineering and Renewable Energy ICMERE 2024, November 9-11, Guelma -Algeria	2024	Non	/	/	ICMERE
	Microstructure and mechanical properties of AISI 2205 after ion nitriding	Attabi Selma Mokhtari Majda Taibi Yasmina	The 1 st International Conference of Materials Engineering and Renewable Energy ICMERE 2024, November 9-11, Guelma -Algeria	2024	Non	/	/	ICMERE
	Fabrication and Structural Characterisation of ZrC-W Cermet by Spark Plasma Sintering: Application in Ballistic Protection	Khaoula Safi Lassaad Ajili BENDJEMIL Badis Mounir Ferhi K Horchani Naifer	1st International Conference on Materials Science and Applications November, 01-03, 2024, Sousse, Tunisia	2024	Non	/	/	https://tamsa-tunisia.com/
	Fabrication and Structural Characterization of TiC (1-x) -ZrC x (x=0.2) / SWCNT/Nano-WC Composites via Spark Plasma Sintering for Ballistic Protection Applications	Khaoula Safi Lassaad Ajili BENDJEMIL Badis Mounir Ferhi K Horchani Naifer	1st International Conference on Materials Science and Applications November, 01-03, 2024, Sousse, Tunisia	2024	Non	/	/	https://tamsa-tunisia.com/

Communications Internationales	Numerical simulation of residual stresses in PV panels after the lamination process.	Guenfoud Salah Limane Badreddine Ould-Lhoucine Cherif	1 st international conference on renewable energies and power systems. ICREPS'24. 13/05/2024 au 14/05/2024.Maama, Algeria.	2024	Non	/	/	https://www.icreps.cuniv-naama.dz/
	Corrosion Inspection in Oil and Gas Platforms: A Case Study Utilizing LRUT Technology	Salah Guenfoud Hemza Gherdaoui Hanene Benmohamed	11 ème Journées des Sciences de l'Ingénieur JSI'2024, October 11-13, 2024, Sfax, TUNISIA International Conference on Engineering Science	2024	Non	/	/	https://jsi-conference.tn/
	Study of the influence of cutting parameters on the surface integrity in turning of the titanium alloy Ti-6Al-4V	Nabil Kribes Khaoula Abbed Salah Hadjela YOUNES Belbellaa Med. Athmane Yalles	1 st International Conference of Materials Engineering and Renewable Energy ICMERE 2024, November 9-11, Guelma -Algeria	2024	Non	/	/	ICMERE
	3D Printing and Control of a Robotic Hand	A Haddad A Bouachari	1 st International Conference of Materials Engineering and Renewable Energy ICMERE 2024, November 9-11, Guelma -Algeria	2024	Non	/	/	ICMERE

Communications Internationales	Application of Moora, Vikor-AHP and Todim approaches in the machining of Inconel 718 cutting parameters optimization	H Boumaza A Haddad	1 st International Conference of Materials Engineering and Renewable Energy ICMERE 2024, November 9-11, Guelma -Algeria	2024	Non	/	/	ICMERE
	MoC Application to the Design of a Supersonic Nozzle and its Comparison to CFD Analysis	L Dai A Haddad	1st International Conference of Materials Engineering and Renewable Energy ICMERE 2024, November 9-11, Guelma -Algeria	2024	Non	/	/	ICMERE
	Models Correlation of Inconel 718 Dry Cutting Parameters Using RSM and ANN Approaches	K Safi H Boumaza MA Yallese A Haddad S Belhadi	9 th Internatioal Conference on Mechanics & Energy	2024	Non	/	/	https://icme.aicme.net/

Communications Internationales	Study of the influence of cutting parameters on technical parameter in the turning process of titanium alloy	Kribes nabil	12th International Conference on Applied Analysis and Mathematical Modeling, 2024 (ICAAMM 2024)	2024	Non	/	/	INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELING, 2024
	Satistical analysis and modeling of cutting conditions and tool geometry in dry machining of Ti-6Al-4V using anova and regression techniques	Abbed khaoula kribes nabil boutabba s souaidi chaima	1st International Conference of Materials Engineering and Renewable Energy ICMERE 2024, November 9-11, Guelma -Algeria	2024	Non	/	/	ICMERE
	Development of composite materials based on polyester resin and glass fibers, and their machinability in turning	BEZAZI Abderrezak LEKMINE Habiba KRIBES Nabil	1st International Conference of Materials Engineering and Renewable Energy ICMERE 2024, November 9-11, Guelma -Algeria	2024	Non	/	/	ICMERE