

**Liste des productions scientifiques**  
**(publication, communication,....)**  
**Année 2017**

**LABORATOIRE :** Laboratoire de Mécanique Appliquée des Nouveaux Matériaux (**LMANM**)

<b>SPECIALITE: Génie Mécanique</b>						
<b>Publications Internationales</b>						
<b>Titre</b>	<b>Auteurs</b>	<b>Revue</b>	<b>Année</b>	<b>Volume</b>	<b>Page</b>	<b>URL</b>
<i>Comparative assessment of two ceramic cutting tools on surface roughness in hard turning of AISI H11 steel: including 2D and 3D surface topography</i>	A.KHELLAF, H.AOUICI, S.SMAIAH, S.BOUTABBA, M.A.YALLESE, M.ELBAH	<b><i>The International Journal of Advanced Manufacturing Technology</i></b>	Mars 2017	Volume 89	333-354	<a href="https://link.springer.com/article/10.1007/s00170-016-9077-3">https://link.springer.com/article/10.1007/s00170-016-9077-3</a>
<i>Characterization of a novel natural cellulosic fiber from Juncus effusus L.</i>	M. MAACHE, A. BEZAZI, S. AMROUNE, F. SCARPA, A. DUFRESNE	<b><i>Carbohydrate Polymers</i></b>	1 Septembre 2017	Volume 171	163-172	<a href="http://dx.doi.org/10.1016/j.carbpol.2017.04.096">http://dx.doi.org/10.1016/j.carbpol.2017.04.096</a>
<i>Behavior of pre-cracked deep beams with composite materials repairs</i>	M. BOUMAAZA, A. BEZAZI, H. BOUCHELAGHEM, N.BENZENNACHE, S. AMZIANE, F. SCARPA	<b><i>Structural Engineering and Mechanics</i></b>	10 Septembre 2017	Volume 63	575-583	<a href="https://doi.org/10.12989/se.2017.63.5.575">https://doi.org/10.12989/se.2017.63.5.575</a>
<i>In-plane elasticity of a multi re-entrant auxetic honeycomb</i>	E. HARKATI, N. DAOUDI, A. BEZAZI, A. HADDAD, F. SCARPA	<b><i>Composite Structures</i></b>	15 Novembre 2017	Volume 180	130-139.	<a href="https://doi.org/10.1016/j.compstruct.2017.08.014">https://doi.org/10.1016/j.compstruct.2017.08.014</a>
<i>Mechano-physical properties and statistical design of jute yarns</i>	A. SAAIDIA, A. BEZAZI, A. BELBAH, H. BOUCHELAGHEM, S.AMIROUCHE	<b><i>Measurement</i></b>	Décembre 2017	Volume 111	284-294	<a href="http://dx.doi.org/10.1016/j.measurement.2017.07.054">http://dx.doi.org/10.1016/j.measurement.2017.07.054</a>

<i>The elastic uniaxial properties of a centre symmetric honeycomb with curved cell walls: effect of density and curvature</i>	E. HARKATI, N. DAOUDI, C. ABAIDIA, A. BEZAZI, F. SCARPA	<b>Physica Status Solidi part B</b>	Décembre 2017	Volume 254	Issue 12	<a href="https://doi.org/10.1002/pss.b.201600818">https://doi.org/10.1002/pss.b.201600818</a>
<i>Non-axisymmetric contact problem for circular plate</i>	S.V.BOSAKOV, S.GUENFOUD	<b>International Applied Mechanics (Springer)</b>	2017	Volume 53	568-573	<a href="https://link.springer.com/article/10.1007/s10778-017-0838-y">https://link.springer.com/article/10.1007/s10778-017-0838-y</a>

### **Publications nationales**

### **Communications Internationales**

<i>Modélisation de la pression de coupe en tournage dur à sec de l'axe d'un rotor en appliquant la technique de Taguchi</i>	N.KRIBES, B.FNIDES, H.AOUICI, A.BENKHELLADI, S.BOUTABBA	<b>3ème Conférence Internationale de Mécanique (I.C.M'2017)</b>	26-27 Avril 2017	Université d'Annaba – Algeria		<a href="http://www.univ-annaba.dz/images/pdf/Appel_a_communication_ICM_2017_Annaba.pdf">http://www.univ-annaba.dz/images/pdf/Appel_a_communication_ICM_2017_Annaba.pdf</a>
<i>Classification par MSR et modélisation dynamique d'un rotor par la méthode de Rayleigh-Ritz</i>	A.BENKHELLADI, H.AOUICI, S.BOUTABBA, A.LAOUISSI, B.FNIDES, N.KRIBES,	<b>3ème Conférence Internationale de Mécanique (I.C.M'2017)</b>	26-27 Avril 2017	Université d'Annaba – Algeria		<a href="http://www.univ-annaba.dz/images/pdf/Appel_a_communication_ICM_2017_Annaba.pdf">http://www.univ-annaba.dz/images/pdf/Appel_a_communication_ICM_2017_Annaba.pdf</a>
<i>Comportement des contraintes de relaxation de la mousse PVDF à cellules fermées</i>	N.FRIOUI, A.BEZAZI, F.SCARPA	<b>3ème Conférence Internationale de Mécanique (I.C.M'2017)</b>	26-27 Avril 2017	Université d'Annaba – Algeria		<a href="http://www.univ-annaba.dz/images/pdf/Appel_a_communication_ICM_2017_Annaba.pdf">http://www.univ-annaba.dz/images/pdf/Appel_a_communication_ICM_2017_Annaba.pdf</a>
<i>The effect of the gage length and the diameter on the mechanical properties of a new lignocellulosic fibre (Juncus effusus L.).</i>	M.MAACHE, A.BEZAZI, S. AMROUNE, F. SCARPA, A. DUFRESNE	<b>3<sup>rd</sup> International Conference on Mechanics of Composites</b>	4-7 July 2017	University of Bologna, Italy.		<a href="https://events.unibo.it/mechcomp3">https://events.unibo.it/mechcomp3</a>
<i>Physico-Chemical Characterization of Date Palm leaves (Phoenix Dactylifera–L) of Algeria</i>	H.BOUMEDIRI, A.BEZAZI, A. HADDAD, A.SAAIDIA, F.SCARPA, A. DUFRESNE	<b>3<sup>rd</sup> International Conference on Mechanics of Composites</b>	4-7 July 2017	University of Bologna, Italy.		<a href="https://events.unibo.it/mechcomp3">https://events.unibo.it/mechcomp3</a>

<i>Mechanical characterization of jute yarn and fabric fibres and bio-composites Jute/polyester</i>	A.SAAIDIA, A.BEZAZI, A. BELBEH, H. BOUMEDIRI, F. SCARPA	<b>3<sup>rd</sup> International Conference on Mechanics of Composites</b>	4-7 July 2017	University of Bologna, Italy.		<a href="https://events.unibo.it/mechcomp3">https://events.unibo.it/mechcomp3</a>
<i>Mechanical characterization of bio-composite laminates reinforced with date palm fibres under 3-point bending.</i>	S.AMROUNE, A.BEZAZI, M. MAACHE, F. SCARPA. A.DUFRESNE	<b>3<sup>rd</sup> International Conference on Mechanics of Composites</b>	4-7 July 2017	University of Bologna, Italy.		<a href="https://events.unibo.it/mechcomp3">https://events.unibo.it/mechcomp3</a>
<i>Experimental characterization of the fatigue behaviour of long date palm fibers</i>	A.BEZAZI, S. AMROUNE, A.SAAIDIA, F. SCARPA, A.DUFRESNE	<b>25<sup>th</sup> International Conference on Composites/Nano-Engineering (ICCE-25),</b>	July 16-22, 2017	Rome, Italy		<a href="http://www.amac-composites.org/manifestations/dates/25th-annual-international-conference-composites-icce">http://www.amac-composites.org/manifestations/dates/25th-annual-international-conference-composites-icce</a>
<i>Mechanical, physical and chemical characterization of jute yarns and bio-composites jutes/polyester</i>	A.SAAIDIA, A.BEZAZI, A.BELBAH, S.AMROUNE, F.SCARPA	<b>25<sup>th</sup> International Conference on Composites/Nano-Engineering (ICCE-25),</b>	July 16-22, 2017	Rome, Italy		<a href="http://www.amac-composites.org/manifestations/dates/25th-annual-international-conference-composites-icce">http://www.amac-composites.org/manifestations/dates/25th-annual-international-conference-composites-icce</a>
<i>Cutting stress models in dry hard turning using Taguchi technique</i>	N.KRIBES, B.FNIDES, H.AOUICI, S.BOUTABBA, M. A.YALLESE	<b>The international conference on mathematical modeling in applied sciences Saint Petersburg RUSSIA</b>	July 24-28; 2017	Saint Petersburg, RUSSIA		<a href="http://icmmas.alpha-publishing.net/">http://icmmas.alpha-publishing.net/</a>
<i>Mathematical modeling and multi-objective optimization of technological parameters in Hard Turning operation using RSM and Genetic Algorithmic Approach</i>	A.KHELLAF, M.A.YALLESE, S.BOUTABBA, M.HABAK, H.AOUICI, S.SMAIAH	<b>23<sup>ème</sup> Congrès Français de Mécanique [CFM2017] Procédés de fabrication et mise en forme par grandes déformations</b>	28 Aout - 01 September 2017	Lille - France		<a href="http://documents.irevues.inist.fr/handle/2042/63108">http://documents.irevues.inist.fr/handle/2042/63108</a>
<i>Follow-up of the Damage Evolution of Cross-Ply Laminates Subjected to Fatigue Test Under 3-Points Bending</i>	A. BEZAZI, A. EL MAHI, B. BEZZAZI, I. GIMENEZ.	<b>3<sup>rd</sup> International Symposium on Materials and Sustainable Development ISMSD2017</b>	November 07 & 08, 2017	Boumerdes – Algeria		<a href="https://cimdd2017.sciencesconf.org/">https://cimdd2017.sciencesconf.org/</a>

<i>Behavior of reinforced columns with e-glass fiber and carbon fiber</i>	H.BOUCHELAGHEM, A.BEZAZI, M.BOUMAZA, N. BENZENNACHE, F.SCARPA	<b>3<sup>rd</sup> International Symposium on Materials and Sustainable Development ISMSD2017</b>	November 07 & 08, 2017	Boumerdes – Algeria		<a href="https://cimdd2017.sciencesconf.org/">https://cimdd2017.sciencesconf.org/</a>
<i>Repair of reinforced concrete beams in shear using composite materials PRFC/PRFG a comparative study</i>	M.BOUMAZA, A.BEZAZI, H.BOUCHELAGHEM, N. BENZENNACHE, S.AMAZIANE, F.SCARPA	<b>3<sup>rd</sup> International Symposium on Materials and Sustainable Development ISMSD2017</b>	November 07 & 08, 2017	Boumerdes – Algeria		<a href="https://cimdd2017.sciencesconf.org/">https://cimdd2017.sciencesconf.org/</a>
<i>Influence of the addition of sisal fiber on the mechanical flexural properties of polymer concrete</i>	N.BENZENNACHE, A.BEZAZI, H.BOUCHELAGHEM, M.BOUMAZA, F.SCARPA, S.AMAZIANE,	<b>3<sup>rd</sup> International Symposium on Materials and Sustainable Development ISMSD2017</b>	November 07 & 08, 2017	Boumerdes – Algeria		<a href="https://cimdd2017.sciencesconf.org/">https://cimdd2017.sciencesconf.org/</a>
<i>Influence de l'implantation ionique d'azote sur le comportement tribologique du composite WC-Co à différentes teneurs en cobalt</i>	A.BELBAH, O.KIRATI	<b>2<sup>ème</sup> édition du Congrès International sur les Ingénieries : Civile, Mécanique et Electrique pour l'Energie (CMEEE 2017)</b>	14,15 et 16 November 2017	Marrakech – Maroc		<a href="https://www.scribd.com/document/359946530/Appel-a-Communication-V8">https://www.scribd.com/document/359946530/Appel-a-Communication-V8</a>
<i>Modélisation et optimisation des paramètres de coupe lors du tournage de la fonte FGL25 par la céramique Si3N4 non revêtu en utilisant l'approche ANN et la méthode PSO</i>	S.BELHADI, A.LAOUISSI, M.A.YALLESE, A.BELBAH, S.BOUCHERIT, A.BENKHELLADI	<b>2<sup>ème</sup> édition du Congrès International sur les Ingénieries : Civile, Mécanique et Electrique pour l'Energie (CMEEE 2017)</b>	14,15 et 16 November 2017	Marrakech – Maroc		<a href="https://www.scribd.com/document/359946530/Appel-a-Communication-V8">https://www.scribd.com/document/359946530/Appel-a-Communication-V8</a>
<i>Dynamic analysis of an annular plate resting on the surface of an elastic half-space with distributive properties</i>	S.GUENFOUD, S.V.BOSAKOV, A.REZAIGUIA, D.F.LAEFER	<b>Proceedings book of third international conference on advances in mechanical engineering: ICAME 2017 (ISBN 978-605-9546-09-6)</b>	December 19-21, 2017	ISTANBUL - Turquie	73-83	<a href="http://icame2017conference.com/">http://icame2017conference.com/</a>

<i>Model of surface roughness and productivity thru RSM in face milling of AISI 1040 steel using coated carbide inserts</i>	N. KRIBES, M. FNIDES, M.A. YALLESE, R.KHATTABIA, T.MABROUKI F. GIRARDIN	<b>3<sup>rd</sup> international conference on advances in mechanical engineering ICAME 2017</b>	December 19-21, 2017	ISTANBUL - Turquie		<a href="http://icame2017conference.com/">http://icame2017conference.com/</a>
<i>Modeling and optimization of turning process parameters during the cutting of polymer (POMC) based on RSM.ANN. AND DF methods</i>	A. CHABBI, N. KRIBES, M. A. YALLESE, M. NOUIOUA, I. MEDDOUR, T. MABROUKI, F. GIRARDIN,	<b>3<sup>rd</sup> international conference on advances in mechanical engineering ICAME 2017</b>	December 19-21, 2017	ISTANBUL - Turquie		<a href="http://icame2017conference.com/">http://icame2017conference.com/</a>
<b>Communications nationales</b>						
<i>Effet du traitement chimique par le NaOH sur les propriétés physico-chimiques et mécaniques des faisceaux de fibre de jute</i>	A.BEZAZI, A. SAAIDIA, A. BELBAH, F. SCARPA	<b>La 7<sup>ème</sup> édition des Journées de Chimie (JCh7)</b>	28-29 Mars, 2017.	Bordj El Bahri, - Algérie		<a href="http://www.emp.mdn.dz/event/s/jch07/AC_JCH07.pdf">http://www.emp.mdn.dz/event/s/jch07/AC_JCH07.pdf</a>
<i>Effet des traitements chimiques sur le comportement physico-mécanique des fibres de pétiole des palmiers dattiers</i>	A. MERZOUG, Z. SEREIR, B. BOUHAMIDA, R. BENZIDANE, A. BEZAZI	<b>1<sup>ères</sup> Journées Nationales sur les Structures et les Matériaux Nano-Composites JNSMNC'2017</b>	29 au 30 Novembre 2017	Sidi Bel Abbès - Algérie		<a href="https://www.univ-sba.dz/lsmagctp/images/pdf/s/minaire%20.pdf">https://www.univ-sba.dz/lsmagctp/images/pdf/s/minaire%20.pdf</a>