

Liste des productions scientifiques
(publication, communication,....)
Année 2019

Laboratoire:Mécanique et Structures
Domaine de recherche:Ingénierie

Publications Internationales								
Titre	AUTEURS	Revue	Catégorie de la revue • A ⁺ , A, B- Scopus, B- nonScopus, non classée	Année	Micro domaine	Volume	Page	URL
<i>Prediction of machining performance using RSM and ANN models in hard turning of martensitic stainless steel AISI 420</i>	A ZERTI, M A YALLESE O ZERTI, M NOUIOUA, R KHETTABI	<i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i>	A	2019	Génie de Fabrication	vol. 233, no 13,	p. 4439-4462.	https://www.researchgate.net/profile/Abderrahmen_Zerti/publication/330265461_Prediction_of_machining_performance_using_RSM_and_ANN_models_in_hard_turning_of_martensitic_stainless_steel_AISI_420/links/5c3e4dd8a6fdccd6b5b045f1/Prediction-of-machining-performance-using-RSM-and-ANN-models-in-hard-turning-of-martensitic-stainless-steel-AISI-420.pdf
<i>Comparison on various machinability aspects between mixed and reinforced ceramics when</i>	H AOUICI, M ELBAH, A BENKHELADI B FNIDES	<i>Mechanics&Industry,</i> 2019.	A	2019	Génie de Fabrication	vol. 20, no 1,	p. 109.	https://www.mechanics-industry.org/articles/meca/abs/2019/01/mi15

<i>machining hardened steels.</i>								0047/mi150047.html
<i>Modeling and multi-objective optimization for minimizing surface roughness, cutting force, and power, and maximizing productivity for tempered stainless steel AISI 420 in turning operations.</i>	A ZERTI, MA YALLESE, I MEDDOUR, S BELHADI, A HADDAD	<i>The International Journal of Advanced Manufacturing ...</i> , 2019	A	2019	<i>Génie de Fabrication</i>	vol. 102, no 1-4,	p. 135-157.	https://link.springer.com/content/pdf/10.1007/s00170-018-2984-8.pdf
<i>Application of the cyclostationarity analysis in the detection of mechanical defects: comparative study</i>	MK BABOURI, N OUELAA, T KEBABSA, A DJEBALA.	<i>The International Journal of Advanced Manufacturing Technology</i> , 2019, ,	A	2019	<i>Génie Mécanique</i>	vol. 103, no 5-8	p. 1681-1699.	https://link.springer.com/content/pdf/10.1007/s00170-019-03652-y.pdf
<i>Comparative study of the performance of coated and uncoated silicon nitride (Si 3 N 4) ceramics when machining EN-GJL-250 cast iron using the RSM method and 2D and 3D roughness functional parameters</i>	A LAOUISSI, MA YALLESE A BELBAH, A KHELLAF, A HADDAD	<i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> (2019)	A	2019	<i>Génie de Fabrication</i>	vol. 41, no 5	205	https://link.springer.com/content/pdf/10.1007/s40430-019-1708-9.pdf
<i>Investigation, modeling, and optimization of cutting parameters in turning of gray cast iron using coated and uncoated silicon nitride ceramic tools. Based on ANN, RSM, and GA optimization</i>	A LAOUISSI, MA YALLESE, A BELBAH, S BELHADI	<i>The International Journal of Advanced Manufacturing Technology</i>	A	2019	<i>Génie de Fabrication</i>	vol. 101, no 1-4	p. 523-548	https://link.springer.com/content/pdf/10.1007/s00170-018-2931-8.pdf
<i>The Influence of the Sound Pressure Level on the Identification of the Defects Severity in Gear Transmission by the Sound Perception</i>	R YOUNES, R OUELAA, N HAMZAOU	<i>AcousticsAustralia</i> , 2019, ,	A	2019	<i>Acoustique</i>	vol. 47, no 3	p. 239-246.	https://link.springer.com/article/10.1007/s40857-019-00165-2
<i>Dry turning of X2CrNi18-09 using</i>	BOUCHERIT, SEPTI,	<i>Mechanics</i> , 2019,	A	2019	<i>Génie de Fabrication</i>	vol. 25, no 6	, p. 487-500.	https://mechanika.ktu.lt/index.php/Mech/artic

<i>coated carbide tools: modelling and optimization of multiple performance characteristics.</i>	BERKANI, SOFIANE, YALLESE, MOHAMED ATHMANE, ET AL.							le/view/22367
<i>Comparative assessment of machining environments (dry, wet and MQL) in hard turning of AISI 4140 steel with CC6050 tools. , ,</i>	ELBAH, M., LAOUICI, H., BENLAHMIDI, S., ET AL.	<i>The International Journal of Advanced Manufacturing Technology, 2019</i>	A	2019	<i>Génie de Fabrication</i>	vol. 105, no 5-6	p. 2581-2597.	https://link.springer.com/article/10.1007/s00170-019-04403-9
<i>Modeling and optimization of the turning parameters of cobalt alloy (Stellite 6) based on RSM and desirability function.</i>	R SAIDI, B FATHALLAH T MABROUKI, S BELHADI	<i>The International Journal of Advanced Manufacturing ... , 2019</i>	A	2019	<i>Génie de Fabrication</i>	vol. 100,	p. 2945-2968	https://link.springer.com/content/pdf/10.1007/s00170-018-2816-x.pdf
<i>Mathematical modelling and optimization of surface quality and productivity in turning process of AISI 12L14 free-cutting Steel.</i>	B FATHALLAH, R SAIDI, C DAKHLI, S BELHADI, M YALLESE	<i>International Journal of Industrial Engineering ... , 2019.</i>	A	2019	<i>Génie de Fabrication</i>	vol. 10, no 4,	p. 557-576.	http://m.growingscience.com/beta/ijiec/3205-mathematical-modelling-and-optimization-of-surface-quality-and-productivity-in-turning-process-of-aisi-12l14-free-cutting-steel.html
<i>The Evaluation of the Dynamic Response of the Moving Exciter Due to the Irregularities of the Slab.</i>	M GUEBAILIA, N OUELAA	<i>Computational Methods and Experimental Testing In Mechanical Engineering. Springer, Cham, 2019.</i>	B-Scopus	2019	<i>Génie Mécanique</i>		p. 101-108.	https://link.springer.com/chapter/10.1007/978-3-030-11827-3_10
<i>Prediction of Optimal Lifetime of the Tool's Wear in Turning Operation of AISI D3 Steel Based on the a New Spectral Indicator SCG</i>	MK BABOURI, N OUELAA, MC DJAMAA, A DJEBALA	<i>Computational Methods and Experimental Testing In Mechanical Engineering. Springer, Cham, 2019</i>	B-Scopus	2019	<i>Génie Mécanique</i>		p. 87-100.	https://link.springer.com/chapter/10.1007/978-3-030-11827-3_9
<i>Rolling Bearing Local Fault Detection During a Run-Up Test Using Wavelet-Filtered</i>	M BOUHALAIS A DJEBALA, N OUELAA	<i>Computational Methods and Experimental Testing In Mechanical Engineering. Springer,</i>	B-Scopus	2019	<i>Génie Mécanique</i>		p. 109-117.	https://link.springer.com/chapter/10.1007/978-3-030-11827-3_11

<i>CEEMDAN Envelopes</i>		<i>Cham, 2019.</i>						
<i>Application of the combination of both wavelet multi-resolution analysis and empirical mode analysis to detect induction motor defects</i>	N.TALBI, A METATLA N OUELAA R YOUNES L FATMI A DJEBALA.	<i>ICIC express letters. Part B, Applications: an international journal of research and surveys, 2019,</i>	<i>B-Scopus</i>	<i>2019</i>	<i>Génie Mécanique</i>	<i>vol. 10, no 11,</i>	<i>p. 1021-1030.</i>	https://ci.nii.ac.jp/naid/40022061764/
<i>Comparative study between three methods of measuring of natural frequencies and modal damping</i>	R.YOUNES, N.OUELAA, M.C.DJAMAA	<i>U.P.B. Sci. Bull., Series D,</i>	<i>B-Scopus</i>	<i>2019</i>	<i>Génie Mécanique</i>	<i>VOL 81</i>		https://www.scientificbulletin.upb.ro/rev_docs_arhiva/reze4d_233499.pdf
<i>Multi-optimization of Stellite 6 Turning Parameters for Better Surface Quality and Higher Productivity Through RSM and Grey Relational Analysis</i>	S BELHADI, MA YALLESE	<i>International Conference Design and Modeling of Mechanical Systems. Springer, Cham, 2019</i>	<i>B-Scopus</i>	<i>2019</i>	<i>Génie de Fabrication</i>		<i>.. p. 382-391.</i>	https://link.springer.com/chapter/10.1007/978-3-030-27146-6_41
<i>Prediction of Forces Components During the Turning Process of Stellite 6 Material Based on Artificial Neural Networks.</i>	R.SAIDI, B.FATHALLAH, T. MABROUKI, S.BELHADI M.A. YALLESE	<i>. International Conference Design and Modeling of Mechanical Systems. Springer, Cham, 2019</i>	<i>B-Scopus</i>	<i>2019</i>	<i>Génie de Fabrication</i>		<i>p. 399-408.</i>	https://link.springer.com/chapter/10.1007/978-3-030-27146-6_43
<i>Predictive Modeling and Optimization of Cutting Parameters During the Turning of Inconel 718 Using Taguchi Method</i>	W.FRIFITA, BENSALEM, SAHBI, M.A.YALLESE,	<i>In : International Conference Design and Modeling of Mechanical Systems. Springer, Cham, 2019</i>	<i>B-Scopus</i>	<i>2019</i>	<i>Génie de Fabrication</i>		<i>.. p. 328-334.</i>	https://link.springer.com/chapter/10.1007/978-3-030-27146-6_35
<i>Foil bearing lubricated with contaminated air: A numerical analysis</i>	B.BOU-SAID, M.LAHMAR	<i>Proceedings of the LACCEI international Multi-conference for Engineering, Education and Technology</i>	<i>B-Scopus</i>	<i>2019</i>	<i>Génie Mécanique</i>			https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&as_vis=1&q=Foil+bearing+lubricated+with+contaminated+air%3A+A+numerical+analysis+&btnG=

Publications nationales

Titre	Auteurs	Revue	Catégorie de la revue • B-Scopus, B-nonScopus, non classée	Année	Micro domaine	Volume	Page	URL
Étude Expérimentale de l'Usinabilité de l'acier 42 CrMo4 avec des Outils en Carbure revêtu et non revêtu.	HAMADI, BILLEL, BOULANOUAR, LAKHDAR, YALLESE, MOHAMED ATHMANE, ET AL.	Nature & Technology, 2019	Non classée	2019	Génie de Fabrication	no 21,	p. 1-6.	https://www.univ-chlef.dz/revuenatec/issue-21/Article_A/Article_513_A_01-06.pdf

Communications Internationales

Titre	Auteurs	Intitulé de manifestation	• Proceeding de la conférence indexé dans Scopus(oui/non)	Micro domaine	Année	Volume	Page	URL
Predictive Modeling and Optimization of Cutting Parameters During the Turning of Inconel 718 Using Taguchi Method	MA. YALLESE	8th Conference on Design and Modeling of Mechanical Systems, CMSM'2019, March 18-20, Hammamet, Tunisia. Springer Nature, 2019. p. 328.	Oui	2019	Génie de Fabrication		.. p. 328-	https://books.google.co.uk/books?hl=fr&lr=&id=0iLTDwAAQBAJ&oi=fnd&pg=PA328&dq=Predictive+Modeling+and+Optimization+of+Cutting+Parameters+During+the+Turning+of+Inconel+718+Using+Taguchi+Method&ots=9Yh0uc7Dj6&sig=_jDoCiwxl82S4tw72ysHsRULzzy#v=onepage&q=Predictive%20Modeling%20and%20Optimization%20of%20Cutting%20Parameters%20During%20the%20Turning%20of%20Inconel%20718%20Using%20

								20Taguchi%20Method&f=false
Analyse cyclostationnaires dans un environnement industriel d'une turbine : étude de cas	M. K. BABOURI N. OUELAA, T. KEBABSA, A. DJEBALA	<i>International Congress of Mechanics, Mechatronics and Materials (IC3M) Tunis, Sousse 20 – 22 Décembre 2019</i>	Non	2019	Maintenance des machines tournantes	/	/	/
Etude des Effets Combines de la Rhéologie de Fluide Lubrifiant et de l'Etat de Surface sur les Performances Statiques d'un Palier Compliant	H. BOUCHERIT B. BOUSSAHA M.LAHMAR A.MOUASSA H.BENSOUILAH	<i>3ème Conférence internationale sur la Mécanique des Matériaux et des Structures 13, 14 et 15 Novembre 2019, Marrakech, MAROC</i>	Non	2019				
Modélisation de l'effort de coupe et de la puissance consommée lors du tournage de l'acier AISI D3 en utilisant les méthodes RSM et ANN	K.SAFI M.A.YALLESE S.BELHADI H.BENSOUILAH S.BOUCHEIRIT	<i>4th International Symposium on Materials and sustainable Development Boumerdes-Algérie</i>	Non	2019	Génie de Fabrication			
Multi-optimization of stellite 6 turning parameters for better surface quality and higher productivity thought RSM and Grey relational analysis	B.BENFETHALLAH R.SAIDI T.MABROUKI S.BELHADI M.A.YALLESE	<i>The eighth International Congress Design and Modeling of mechanical systems. Hammamet-Tunisie</i>	Non	2019	Génie de Fabrication			
Prediction of forces components during the turning process of Stellite 6 material based on artificial neural networks (ANN)	R.SAIDI B.BENFETHALLAH T.MABROUKI S.BELHADI M.A.YALLESE	<i>The eighth International Congress Design and Modeling of mechanical systems. Hammamet-Tunisie</i>	Non	2019	Génie de Fabrication			
Surface roughness qualification in turning of Co-Cr-W alloy based on hybride RSM-GA approach	R.SAIDI B.BENFETHALLAH T.MABROUKI S.BELHADI M.A.YALLESE	<i>International conference on Innovation in machining, manufacturing and advanced technology. IMMAT 2019 Monastir-Tunisie</i>	Non	2019	Génie de Fabrication			

