

Faculté:

**Sciences et Sciences
appliquées**

I. Publications Internationales:

N°	Auteurs	Titre	Nom du journal	Site web	Mots clés
1	Meriem Senani a, Noureddine Ferhoune b,* , Abdelhamid Guettala	Substitution of the natural sand by crystallized slag of blast furnace in the composition of concrete	Alexandria Engineering Journal "Elsevier"	http://dx.doi.org/10.1016/j.aej.2016.05.006	Concrete sand slag; Crystallized sand slag; Mechanical performance; Durability
2	Noureddine Ferhoune,1 Meriem Senani,2 and Abdelhamid Guettala2	Behavior of Hollow Thin Welded Tubes Filled with Sand Slag Concrete	Advances in Materials Science and Engineering " Hindawi Publishing Corporation " (accepter le 29 juin 2016), référence de publication : Volume 2016, Article ID 5218738, 8 pages	http://dx.doi.org/10.1155/2016/5218738	

II. Communications internationales :

N°	Auteurs	Titre	Nom de la conférence, date, lieu	Site web
1	SENANI Meriem, FERHOUNE Noureddine & GUETTALA Abdelhamid	<i>USE OF THE WASTE BLAST FURNACE OF EL HADJAR IN THE CORE CONCRETE OF COMPOSITE COLUMNS</i>	3eme congrès international sur la technologie et la durabilité du béton CITEDUB3 à l'université des sciences et de la technologie Houari Boumadiene organisé le 26 et 27 septembre 2016	
2	Meriem Senani 1, Noureddine Ferhoune2, Abdelhamid Guettala1 and José B. Aguiar	Characterization of Concrete with Incorporation of Slag From Blast Furnace.	An International Conference ... Exploring the Latest Progress in Materials Development Bringing Science Solutions to the World 9-12 April, 2017 University of Aveiro, Aveiro, Portugal	

I. Publications Internationales:

N°	Auteurs	Titre	Nom du journal	Site web	Mots clés
1	H. Mesloub, M. T. Benchouia, A. Goléa, N. Goléa	Predictive DTC schemes with PI regulator and particle swarm optimization for PMSM drive: comparative simulation and experimental study.	Int. J. of Advanced Manufacturing Technology, October 2016, Vol 86, no. 9, pp 3123–3134. DOI 10.1007/s00170-016-8406-x.	https://www.springerprofessional.de/the-international-journal-of-advanced-manufacturing-technology-9/10736896	Permanent magnet synchronous motor (PMSM), Direct torque control (DTC), PSO, Predictive control (PC). Practical validation.
2	A. Derghal, N. Golea, and N. Essounbouli	An Interval Fuzzy Optimization-Based Technique to Optimal Generation Scheduling with Load Uncertainty.	IFAC-PapersOnLine Volume 49, Issue 12, 2016, Pages 1122-1127.	http://www.sciencedirect.com/science/article/pii/S2405896316309211	EED Programming, NSGA, Multi-Objective Optimization, Fuzzy Interval Analysis, Mathematical -II.
3	F. Ounis, N. Goléa,	PID, 2-DOF PID and Mixed Sensitivity Loop-Shaping Based Robust Voltage Control of Quadratic Buck DC-DC Converter.	Advances in Electrical and Electronic Engineering Journal Vol. 14, n. Dec. 2016. DOI: 10.15598/aeec.v14i5.1821	http://advances.ute.sk/index.php/AEEE/article/view/1821	DC-DC converters, mixed sensitivity, loopshaping, PID control, quadratic buck converter, robust control.
4	A. Derghal, N. Golea, and N. Essounbouli	A fuzzy interval optimization-based approach to optimal generation scheduling in uncertainty environment'	Journal of Renewable and Sustainable Energy 8, 065501 (2016); doi: 10.1063/1.4967266.	http://scitation.aip.org/content/aip/journal/jrse/8/6?ver=pdfcov	
5	H. Mesloub, M. T. Benchouia, A. Goléa, N. Goléa	, A comparative experimental study of direct torque control based on adaptive fuzzy logic controller and particle swarm optimization algorithms of a permanent magnet synchronous motor	Int. J. of Advanced Manufacturing Technology, 26 August 2016, pp 1–12. doi:10.1007/s00170-016-9092-4.	http://link.springer.com/article/10.1007/s00170-016-9092-4	Permanent magnet synchronous motor (PMSM), Direct torque control (DTC), Adaptive fuzzy logic controller (AFLC), Particle swarm optimization (PSO), Practical validation
6	Said Chikha, Kamel Barra	Predictive Control of Variable Speed	Periodica Polytechnica		

		Wind Energy Conversion System with Multi Objective Criteria	ica Electrical Engineering and Computer Science, 2016		
7	Ahlem Dif, Abdelbaki Djouambi, Abdelfatah Charef, Alina Voda	<i>Fractional Order PID Controller with Online Tuning Based on FRIT and RLS</i>	International Journal of Modelling, Identification and Control, Inderscience, Vol. 27, No. 2, pp.125–135, 2017	http://www.inderscience.com/info/inarticle.php?article=82946	
8	A. CHAREF, M. CHAREF, A. DJOUAMBI and A. VODA	<i>New perspectives of analog and digital simulations of fractional order systems</i>	Archives of Control Sciences Volume 27(LXIII), No. 1, pages 5–3, 2017,		
9	L. Remache , T. Nychyporuk, N. Guermit, E. Fourmond, A. Mahdjoub, M. Lemiti	Optical properties of porous Si/PECVD SiNx:H reflector on single crystalline Si for solar cells.	Materials science-Poland, 34(1), 2016, pp. 94-100.		
10	D.E Boudechiche, S. Benierbah, M. Khamadja,	<i>Distributed Video Coding Based on Vector Quantization: Application to Capsule Endoscopy</i>	In Journal of Visual Communication and Image Representation Article accepté en cours de publication, 2017		
11	Diabi Abdelali, Hocini Abdesselam, Mouetsi Souheil, et al.	Modeling and performance analysis of Schottky barrier carbon nanotube field effect transistor SB-CNTFET	Journal of Computational Electronics, 2017, p. 1-8.		
12	K. Lamamra, A. Allam, M. Afiane	Artificial neural networks for acquisition and processing of sensors data in a radiotherapy application	inderscience journal, IJSPM International Journal of Simulation and Process		

			Modelling, Special Issue "Advances and Applications of Process Modelling and Simulation", (accepted to be published in 2017)		
13	K. Lamamra and S. Berrah	Modeling of MOSFET Transistor by MLP Neural Networks	in Recent Advances in Electrical Engineering and Control Applications, Springer, DOI 10.1007/978-3-319-48929-2_32, Online ISBN 978-3-319-48929-2, vol. 411, pp. 407–415, January 2017	URL: http://link.springer.com/chapter/10.1007/978-3-319-48929-2_32	
14	K. Lamamra, S. Vaidyanathan, A. T. Azar, C. Ben Salah	Chaotic System Modelling Using a Neural Network with Optimized Structure	Springer Book Chapter Chapter DOI: 10.1007/978-3-319-50249-6_29, Copyright Year: 2017,	URL: http://link.springer.com/chapter/10.1007/978-3-319-50249-6_29	
15	Dib and All	Optimum Performances for Non-Linear Finite Elements Model of 8/6 Switched Reluctance Motor Based on Intelligent Routing Algorithms	ADVANCES IN ELECTRICAL AND ELECTRONIC ENGINEERING VOL 15, NUMBER 1, MARCH 2017	http://advances.utc.sk/index.php/AEEE/article/viewFile/1906/1203	
16	Mohamed nader amrani, Abderrahmane Dib	Predictive Direct Power Control of a Grid Connected Three-Phase Voltage Source Inverter for Photovoltaic Systems	International Journal of Renewable Energy Research Volume 6, N°1, 2016.	www.ijrer.org/ijrer/index.php/ijrer/issue/.../4785074604081173	
17	Karima Rabah, Samir Ladaci, Mohamed Lashab	Stabilization of a Genesio-Tesi Chaotic System Using a Fractional Order PI λ D μ	International Journal of Sciences and	http://www.sta.tn.com/IJ_STA/Papers/volume_10N1_April_2016/P5_IJSTA_V	

		Regulator	Techniques of Automatic control & computer engineering IJ-STA, Volume 10, N°1, April 2016, pp 2085–2090.	10N1_16.pdf	
18	Chemseddine Zebiri, Samiha Daoudi, Fatiha Benabdelaziz, Mohamed Lashab	Gyro-chirality effect of bianisotropic substrate on the operational of rectangular microstrip patch antenna	International Journal of Applied Electromagnetics and Mechanics -3 June 2016, pp. 1–12, DOI 10.3233/JAE-150141	http://content.iospress.com/articles/international-journal-of-applied-electromagnetics-and-mechanics/jae150141	
19	Khial Aicha, Rechem Djamil , Azizi Chrifa, Zaabat Mourad	On the DIBL Reduction Effect of Short Channel Carbon Nanotube Field Effect Transistors	International Journal of Electrical and Computer Engineering (IJECE), Vol 6, No 4, 2016		
20	Rechem Djamil , Khial Aicha, Azizi Cherifa, Fayçal Djeflal	Impacts of high-k gate dielectrics and low temperature on the performance of nanoscale CNTFETs	Journal of Computational Electronics Issue 4/2016		
21	Sara Benzitouni, Mourad Zaabat, Aicha Khial, Djamil Rechem , Ahlem Benaboud, Dhikra Bouras, Abdelhakim Mahdjoub, Mahdia Toubane, Raphael Coste	High Sensitivity of Porous Cu-Doped SnO2 Thin Films to Methanol	Advances in Nanoparticles Vol.5 No.2, 2016		

II. Publications nationales :

N°	Auteurs	Titre	Nom du journal	Site web	Mots clés
1	Abderrahmane Dib and Ali Djermane	Detection of electrical faults with infrared thermography	Journal of new technology and materials 2016	http://sites.google.com/site/jntmjournal	

Communications internationales :

N°	Auteurs	Titre	Nom de la conférence, date, lieu	Site web	Mots
1	M. Laraba, S. Benierbah, M. Khamadja	<i>Distributed video coding for periodic video sequences</i>	In Proceedings of 24th International Conference on Computer Graphics, Visualization and Computer Vision (WSCG 2016) Plzen, Czech Republic May 30 – June 3, 2016		
2	Souheil Mouetsi1, Foudil Zouach, Djamil Rechem	Flicker noise in AlGaAs/GaAs of high electron mobility heterostructure field-effect transistor at cryogenic temperature	The 40th Jubilee International ICT Convention – MIPRO 2017 May 22 - 26, 2017, Opatija, Adriatic Coast, Croatia.		
3	K. Lamamra, D. Rechem, S. Berrah	Application des réseaux de neurones artificiels pour modélisation et la commande dans un système a énergie renouvelable	Conférence internationale "l'Algérie Face à la Sécurité Alimentaire", CIAFSA'2017, Université M. Bougara de Boumerdes, du 17 au 18 mai 2017, Boumerdes, Algérie.		
4	D. Khane, K. Lamamra, C. Ben Salah	Modélisation par les réseaux de neurone artificiels d'une machine de production du froid solaire par absorption	4ème Conférence internationale des Energies Renouvelables, CIER-2016, Hammamet, Tunisie, 20-22 décembre, 2016.	http://ipco-co.com/PET_Journal/Volume14_CIER_2016.html	
5	K. Lamamra, D. Rechem,	Artificial neural network modelling of a gas sensor for liquefied petroleum gas detection	the 8th International Conference on Modelling, Identification and Control, ICMIC-2016, Algiers, Algeria, November 15-17, 2016		
6	K. Lamamra, A. Allam, M. Afiane	Data decryption temperature sensor used in radiotherapy services applying neural networks	the 3rd International Conference on Automation, Control, Engineering and Computer Science ACECS-2016, Hammamet, Tunisia, March 20-22, 2016.		
7	A. Dib, A. Hassam, K. Srairi and L. Saïdi	Numerical Modeling and Heuristic Algorithms for Nanogenerator Behavior Analysis	4 th International conference on Advanced In Information Processing and Communication Technology IPCT'16	http://theired.org/	

III. Communications nationales :

N°	Auteurs	Titre	Nom de la conférence, date, lieu	Site web	Mots clés
1	Guermi Nora, Remache Louardi , Mahdjoub Abdelhakim	Simulation and fabrication study of porous silicon Bragg Mirror for thin silicon solar cells application	Deuxièmes journées internationales de physique de Constantine. Université des frères Mentouri, Constantine.114-15/09/2016.		
2	Guermi Nora, Remache Louardi , Mahdjoub Abdelhakim	Modeling optical properties of porous silicon layers: using reflectance spectra measurements and Bruggeman's effective medium approximation	Séminaire National sur la simulation numérique dans les Sciences appliquées. SNSA I 2016, Université 08-Mai 1945 Guelma, 15/12/2016		
3	Kara Zakaria, Barra K	Wind energy conversion system based direct matrix converter	Journées Doctorales Université Oum El, Bouaghi Mai 2016		

4	Hachelfi W, Rahem D et Djouambi A	Commande d'ordre fractionnelle d'un moteur synchrone à aimants permanents	Journées Doctorales Université Oum El, Bouaghi Mai 2016		
5	Aberkane Hesna, Sakri Djamel et Rahem Djamel	Étude comparative des différentes variantes de la commande DTC appliquée à la MAS	Journées Scientifiques sur le génie électrique Université Oum El, Bouaghi Mars 2017		

Faculté/Institut: Sciences et Sciences Appliquées..... Département: Hydraulique

I. Publications Internationales:

N°	Auteurs	Titre	Nom du journal	Site web	Mots clés
1	Ababsa N., Kribaa M., Tamrabet L. , Addad D., Zidi A., Mansouri D.	Relation entre l'activité biologique et le comportement hydro physique des sols dans le contexte du système prairial naturel irrigué à l'eau usée.	European Scientific Journal February 2016 Edition vol. 12, n° 5.	doi:10.19044/esj.2016.v12n5p76	Sol, hydrophysique, irrigation, eau usée
2	Ababsa N, Kribaa M, Addad D, Tamrabet L. Baha M.	Does earthworms density really modify soil's hydrodynamic properties in irrigated systems with recycled water?	J. Fundam. Appl. Sci. (2016), 8(2), 627-638	http://dx.doi.org/10.4314/jfas.v8i2.29	Recycled water, soil hydrodynamic, earthworms, irrigation

II. Publications nationales :

N°	Auteurs	Titre	Nom du journal	Site web	Mots clés
1	BALAH Belkacem	Variabilité des séries pluviométriques du bassin versant de la Seybouse du Nord Est-Algérien	revue de synthèse (revue des sciences et de la technologie), université Badji Mokhtar Annaba. Rev. Sci. Technol., Synthèse 32:86-97(2016)	univ-annaba.org/~dpubma/revue_synthese.htm	<i>variabilité-pluviométrie- test-stationnarité-tendance</i>

III. Communications internationales :

IV. Communications nationales :

N°	Auteurs	Titre	Nom de la conférence, date, lieu	Site web	Mots clés
1	BALAH Belkacem	Estimation du coefficient d'abattement spatial des pluies du bassin versant de la Seybouse	1 ^{er} colloque international de l'eau CIEAU 2010 25 ; 26 Octobre 2010, département d'hydraulique université Badji Mokhtar Annaba		variables, temps, pluies ponctuelles, abattement spatial, approche probabiliste
2	S.SEHTAL, B. ACHOUR	Calcul de la profondeur normale dans un canal rectangulaire par la méthode du modèle rugueux	Journées scientifiques Maghrébines sur L'eau, un enjeu pour la sécurité alimentaire au Maghreb 23-26 Octobre 2016 Université Abou Bakr Belkaid de Tlemcen		

IV. Publications Internationales:

N°	Auteurs	Titre	Nom du journal	Site web	Mots clés
1	Abdelouahab Boutriaa and Ahmed Rahmani	Thermal modeling of a basin type solar still enhanced by a natural circulation loop	Computer and Chemical Engineering 2017	http://dx.doi.org/10.1016/j.compchemeng.2017.02.03	
2	Abdelbaki Mameri, Hadeif Amer and Tabet Fouzi	Numerical investigation of biogas diffusion flames characteristics under several operation conditions in counter-flow configuration with an emphasis on thermal and chemical effects of CO ₂ in the fuel mixture	Springer Heat and Mass Transfer 2017	https://link.springer.com/article/10.1007%2Fs00231-017-2017-4	
3	AthmaneHarizi, AbderrahmaneGahmousse, El-AhcenMahfoudi, Abdelbaki Mameri	Numerical simulation of boundary layer transition for turbine blade heat transfer prediction.	Heat Transfer Research 2017	http://www.dl.begellhouse.com/ru/journals/46784ef93dddff27_forthcoming.12339.html	
4	Abdelbaki Mameri, and Tabet Fouzi	Numerical investigation of counter-flow diffusion flame of biogas-hydrogen blends: Effects of biogas composition", hydrogen enrichment and scalar dissipation rate on flame structure and emissions	International Journal of Hydrogen Energy 2016	http://www.sciencedirect.com/science/article/pii/S0360319915305334	
5	Amer Hadeif, Zeroual Aouachria and Yacine Rezgui	<i>Reduction of soot formation by thermal effect of a turbulent diffusion flame H₂/Air modeled by the concept of laminar flamelet</i>	Journal of Engineering Science & Technology 20156	http://jestec.taylorssci.com/V11Issue3.htm	
6	Nacer HEBBIR, et al	Application of the Inverse Finite Element Approach for the Fast Simulation of Tube Hydroforming	Procedia Technology 22 (2016): 78-85		
7	K.P. Geigle, R. Hadeif, M. Stöhr, W. Meier	Flow field Characterization of Pressurized sooting swirl flames and relations to soot distributions	Proceedings of the Combustion Institute, 36(3), 2017, pp. 3917-3924,	https://www.journals.elsevier.com/proceedings-of-the-combustion-institute	
8	Lakhdar Bouzid et autres	Tool Life Evaluation of Cutting Materials in Turning of X20Cr13 Stainless Steel	Chapitre de livres au «Applied Mechanics, Behavior of Materials, and Engineering Systems, Springer International Publishing » (2017).	http://www.springer.com/br/book/9783319414676	
9	Lakhdar Bouzid et autres	Taguchi Design of Experiments for Optimization and Modeling of Surface Roughness When Dry Turning X210Cr12 Steel	Chapitre de livres au «Applied Mechanics, Behavior of Materials, and Engineering Systems, Springer International Publishing » (2017).	http://www.springer.com/br/book/9783319414676	
10	Ryad Bouziani et Nouredine Ouelaa	Simulation of the dynamic behavior of a rotor subject to base motion under variable rotational speed	Mechanics & Industry 18, 308 (2017)	https://doi.org/10.1051/meca/2016056	
11	M. Bechiri and K. Mansouri	Analytical study of heat generation effects on melting and solidification of nano-enhanced PCM inside a horizontal cylindrical enclosure	Applied Thermal Engineering, Vol. 104, pp. 779-790, (2016)		
12	LyesBordja, Emilia CrespodelArcoet, Eric Serre ,RachidBessaih	Effects of axial magneticfield and thermal convection on a counter-rotating von Kármán flow	Begell House Inc, Heat Transfer Research 47 (4), 1-17 2016		
13	A. Amouri , C. Mahfoudi , And, A. Zaatri	Dynamic Modeling of a class of Continuum Manipulators in Fixed Orientation	World Journal of Engineering ; Accepted : October 2016 ;		

			ISSN: 1708-5284		
14	A. Amouri, C. Mahfoudi, A Zaatri, and R. Merzouki	A metaheuristic approach to solve inverse kinematics of continuum manipulators	Journal of Systems and Control Engineering IMechE Volume 231PP 380-394, Issue 5, 2017.	https://uk.sagepub.com/en-gb/afr/proceedings-of-the-institution-of-mechanical-engineers-part-i-journal-of-systems-and-control	
15	K. Bensayah, E. Mahfoudi	Numerical prediction of compressible heat flow with complex wall temperature in supersonic rocket nozzles	Thermal Science · January 2016.		
16	A. Harizi, A. Gahmousse, E. Mahfoudi	Numerical simulation of boundary layer transition for turbine blade heat transfer prediction	Heat Transfer Research dl.begellhouse.com DOI: 10.1615/HeatTransRes.2016012339		
17	M. C. DJAMAA, M. KHECHANA, S. BOUCHERIT	Application of short-term fractional Fourier transform to identify both chatter and structural damage from cutting force signals.	Australian journal of basic and applied sciences. 10(15) October 2016, Pages: 60-67.		

V. Communications internationales :

N°	Auteurs	Titre	Nom de la conférence, date, lieu	Site web	Mots clés
1	Abdelouahab Boutriaa and Ahmed Rahmani	Numerical and Experimental Study of a Passive Solar Still Integrated With an External Condenser	4ème Conférence Internationale des Energies Renouvelable 2016 Hammamet-Tunisie		
2	Abderrahmane Aben, Ahmed Rahmani and Zoubir Zahzouh	Performance Evaluation of the Basin Type Solar Still Using an Internal Solar Collector	4ème Conférence Internationale des Energies Renouvelable 2016 Hammamet-Tunisie		
3	Hadef Amer Abdelbaki Mameri, zeroual Aoucheria and Tabet Fouzi	Quantification of emissions in a turbulent diffusion flame applied to a burner	International Conférence On Materiels and Energy 2016 La Rochelle, France		
4	K-P. Geigle, R. Hadef, W. O'Loughlin, M. Stöhr, W. Meier	Characterization of Turbulent Pressurized Sooting Flames using Advanced Laser Diagnostics	The Third International Conference on Research to Applications & Markets RAM 2016, Humboldt Kolleg 09.-11.09.2016 Hammamet, Tunisia,	https://sites.google.com/site/kolleghumboldtunisia2016/welcome	
5	R. Hadef, D.Lalmi,	Predictions of Isothermal Fuel-Air Mixing in a Dual-Swirl Gasturbine Combustor	The Third International Conference on Research to Applications & Markets RAM 2016, Humboldt Kolleg 09.-11.09.2016 Hammamet, Tunisia,	https://sites.google.com/site/kolleghumboldtunisia2016/welcome	
6	K-P. Geigle, R. Hadef, W. O'Loughlin, M. Stöhr, C. Eberle	La métrologie Laser pour Caractériser la Suie dans une Flamme Turbulente à Haute Pression	15ème édition du Congrès Francophone de Techniques Laser CFTL 2016, 13-16.09.2016, Toulouse, France	http://cftl2016.onera.fr/content/conférences	

7	D. Lalmi, R. Hadeif, A. Babou, H. Bensaha, S. Bezari	Numerical Study of Air Behavior in a Greenhouse Equipped with a Thermal Storage System,	Conference Paper · October 2016 Fourth International Seminar on New and Renewable Energy, At Ghardaia, Algeria, Volume: 04		
8	K-P Geigle, R. Hadeif, M. Stöhr I. Boxx	Rußverteilungen in verdrahteten Hochdruckflammen und Korrelation mit dem Geschwindigkeitsfeld	Conference Paper· In: Workshop CD. DLR-interner Workshop DIVA12 - Diagnostik in Verbrennung und Aerodynamik, 12./13.10.2016, Berlin	http://elib.dlr.de/107110/	
9	K-P Geigle, R. Hadeif, M. Stöhr, W. Meier	Velocity Fields in Sooting Pressurized Swirl Flames.	In: Workshop CD. ONERA. Measurement and Observation Techniques for Aerospace Research (MOTAR), 24./25.05.2016, Lille, France	http://elib.dlr.de/10566	
10	. D. Lalmi, R. Hadeif	Effect of the Swirl on the Shape and Size of the Turbulent Flame	Séminaire International sur l'Apport de la Simulation en Innovation Technologique (SIASIT) 7-8 Mars Ghardaia, Algérie		
11	K-P. Geigle, R. Hadeif, W.. O'Loughlin, M. Stöhr, W. Meier	Flow Field Characterization of Pressurized Sooting Swirl Flames and Correlation to Soot Distributions	36 th Symposium on Combustion, 01.-05.08.2016, Seoul (South Korea).	DOI: 10.1016/j.proci.2016.09.024 ISSN 1540-7489	
12	D. Lalmi, R. Hadeif	CFD Prediction of swirling diffusion flame in a model of combustion chamber	International Conference on Mechanics and Energy, ICME, December 22-24, 2016 Hammamet, Tunisia	http://www.icme.aic	
13	Djallel Abada, Djamilia Rouag- Saffidine, Oualid Sotehi & Amel F. Boudjabi	An Overview of Different Hybrid Solar Systems: Photovoltaic and Thermal	Proceedings Book of International Conference on Energy and Thermal Engineering, ICTE 2017, April 25-28, 2017, Istanbul, Turkey.	http://icte2017conference.com/	
14	Amel F. Boudjabi, Djallel Abada, Nour El Houda Benbghila & Roumeissa Ghoul	Experimental Study of a Hybridized Photovoltaic Panel	International Conference on Alternative & Renewable Energy Quest in Architecture and Urbanism, 1-3 Feb 2017, Barcelona, Spain. ISSN 1876-6102.	http://www.ierek.com/events/alternative-renewable-energy-quest/ .	
15	S. Kachi, S. Boudebous	Convection mixte dans une cavité a parois latérales mobiles et dont une partie de la paroi inferieure est soumise à un flux de chaleur fixe	Third International Conference on Energy, Materials, Applied Energetics and Pollution ICEMAEP'16 October 30-31, 2016, Constantine, Algeria.		
16	E. Mahfoudi, A. Harizi,, A. Gahmousse	Structures de chocs dans les tuyères des moteurs fusées	Conférence internationale de mécanique et aéronautique CIMA 2016, 18-20 Octobre, Blida, Algérie.		
17	M. Nedjari, E. Mahfoudi, A. Benarous, R. Haoui R	Prédiction Numérique Du Coefficient De Poussée Pour Une Tuyère Sur détendue	Third International Conference on Energy, Materials, Applied Energetics and Pollution ICEMAEP 2016, Octobre 30-31, Constantine, Algeria		
18	MALIM M., DJAMAA M. C., KHECHANA M	Méthode de Fabrication par Usinage des Aubes de Compresseur sur Machine Cnc	Congrès International de Conception et Modélisation des Systèmes Mécaniques. CMSM2017. 27 - 29 Mars 2017 - Hammamet - Tunisie.		

VI. Publications Internationales:

N°	Auteurs	Titre	Nom du journal	Site web	Mots clés
1	M. Bouhenguel S. Kouachi A. Bouchemma	<i>Calculation Of The Contact Angle Of A Spherical Surface With A Bubble In Flotation</i>	<i>Desalination Elsevier</i>	http://www.sciencedirect.com/science/article/pii/S0011916409003245	Contact angle, Flotation, Models
2	S. Kouachi M. Bouhenguel A. Bouchemma B. M., Amirech	Yoon–Luttrell Collision And Attachment Models Analysis In Flotation And Their Application On General Flotation Kinetic Model	<i>Desalination Elsevier</i>	http://www.sciencedirect.com/science/article/pii/S0011916410004662	Flotation; Collision; Attachment; Rate constant; Inertial effect
3	Hassanzadeh, A., Vaziri Hassas, B., Kouachi, S. , Brabcova, Z., Çelik, M.S	Effect of bubble size and velocity on collision efficiency in chalcopyrite flotation	<i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i>	http://www.sciencedirect.com/science/article/pii/S0927775716301777	Bubble velocity; Bubble diameter; Collision efficiency; GSE; Schulze model
4	Ahmad Hassanzadeh, Kouachi Sabri. , Mohammad Hasanzadeh	A New Insight to the Role of Bubble Properties on Inertial Effect in Particle-Bubble Interaction	<i>Journal of Dispersion Science and Technology</i>	http://www.tandfonline.com/doi/abs/10.1080/01932691.2016.1216437?journalCode=ldis20	Bubble diameter, bubble velocity, collision efficiency, GSE, Schulze, Sutherland model
5	Kouachi, S. , Hassanzadeh, A., Bouhenguel, M., Vaziri Hassas, B., Çelik, M.S	Contribution of interceptional effect to collision efficiency of particle bubble encounter in flotation	<i>XVI Balkan Mineral Processing Congress</i>	http://www.tandfonline.com/doi/abs/10.1080/01932691.2016.1216437?journalCode=ldis20	flotation, collision efficiency, interceptional effect, collision models, bubble surface.
6	Sabri Kouachi , Behzad Vaziri Hassas,Ahmad Hassanzadeh, Mehmet Sabri Çelik,Mustapha Bouhenguel	Effect of negative inertial forces on bubble-particle collision via implementation of Schulze collision efficiency in general flotation rate constant equation	<i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i>	http://www.sciencedirect.com/science/article/pii/S092777571730002X	Generalized Sutherland equation; Schulze; Negative inertial forces; Flotation; Collision efficiency; Flotation rate constant

VII. Communications internationales :

N°	Auteurs	Titre	Nom de la conférence, date, lieu	Site web	Mots clés
1	Kouachi, S. , Bouhenguel, M	<i>Etude et Simulation des deux étapes lors du contact particule bulle pour la récupération des métaux valorisables en flottation</i>	Journée international des sciences des Matériaux JISM 2006 Beskra Algérie		<i>Simulation, Flottation, métaux valorisables</i>
2	Kouachi, S. , Bouhenguel, M	<i>Etude théoriques des 3 étapes élémentaires de l'attachement particule – bulle dans la flottation</i>	Colloque Algéro-Français sur les matériaux et la corrosion : Applications multifonctionnelles October 2006 Université Abderrahmane Mira, Bejaia Algérie.		<i>Flottation, attachement</i>
3	Kouachi S. , Bouhenguel, M	Theoretical study of the fluid flow and bubble velocity effect on the flotation rate constant at the application of the inertialess collision efficiency models	Third International Conference modern problems of condensed matter CondMat October 2012 National University of Kyiv		Flotation, fluid flow, bubble velocity, flotation rate constant

4	Kouachi S, Bouhenguel, M	Study modeling and simulation of the various parameters influencing at the time of the interaction particle – bubble in flotation	International Symposium of theoretical chemistry June 2006 USTHB Algiers, Algérie.		Flotation, Modeling, simulation, interaction particle – bubble
5	Kouachi S, Bouhenguel, M	The contribution of interceptional effect to the calculation of collision efficiency of particle bubble encounter in flotation	flotation, <i>XVI Balkan Mineral Processing Congress</i> , Belgrade-Serbia 2014		Flotation, interceptional effect, collision efficiency
6	Kouachi S, Bouhenguel, M, Bouchemma, A, Hafsi, S	Calculation of the contact angle air bubble - particle	Third International Conference modern problems of condensed matter CondMat October 2012 National University of Kyiv		Flotation, contact angle, TPC
7	Bouhenguel, M, Amirech A, Boukraa, A, Kouachi S, Bouchemma, A,	Adsorption of fatty acids and amines on principal minerals containing in phosphate ore	First International Conference on Renewable Energies and Nanotechnology Impact on Medicine and Ecology Constantine Fevrier 2013 Algérie.		Adsorption, fatty acids, phosphate ore
8	Goumeidane, Kouachi S, Talbi L	Modelling and simulation of the process of dissolved air flotation applied in wast water treatment	International Conference on modeling and Simulation MS'07 Algiers July 2007 USTHB Algérie.		Modelling, simulation DAF
9	Goumeidane, F, Hadji, A, Legouera M, Iezid, M , Rahal F, Kouachi S	l'effet de la TRANSFORMATION Ferritique sur la microstructure et les propriétés mécaniques des fonte à graphite spheroidal alliés	Conférence Internationale sur la métallurgie et son impact sur l'environnement Annaba Avril 2007 Université Badji Mokhtar Algérie.		Transformation Ferritique, graphite

VIII. Communications nationales :

N°	Auteurs	Titre	Nom de la conférence, date, lieu	Site web	Mots clés
1	Kouachi, S., Bouhenguel, M,	<i>Subprocessus d'attachement particule – bulle dans la flottation</i>	Séminaire National sur la chimie appliqué et technologie des matériaux, October 2010 Université Larbi Ben M'Hidi OEB Algérie.		<i>Attachement flottation</i>
2	Kouachi, S., Bouhenguel, M	<i>Modélisation et calcul de l'angle de contact des surfaces solides planes et sphérique des différents matériaux utilisés dans le procédé sélectif de flottation</i>	Séminaire National sur la chimie appliqué et technologie des matériaux, October 2010 Université Larbi Ben M'Hidi OEB Algérie		<i>Modélisation, angle de contact, flottation</i>
3	Kouachi, S., Bouhenguel, M	<i>Etude et Simulation des différents paramètres lors de l'interaction particule – bulle dans la flottation</i>	1 ères Journées de chimie de L'EMP Borj El Bahri Mars 2005 Algérie.		<i>Simulation, interaction particule – bulle, flottation</i>
4	Kouachi, S., Bouhenguel	<i>Etude et Simulation des différents paramètres lors de l'interaction particule – bulle pendant la récupération des phosphates par flottation</i>	Séminaire National sur la valorisation des phosphates de Djebel el Onk Tébéssa Mai 2006 Algérie.		<i>Flottation, Simulation, phosphates</i>
5	Kouachi, S., M, Bouhenguel	<i>Etude et calcul des différents paramètres influençant sur le procédé de flottation lors du contact particule bulle</i>	Journée d'étude sur la chimie appliquée et technologie des matériaux juin 2005 Université Larbi Ben M'Hidi OEB Algérie.		<i>Simulation, Collision, Attachement, Détachement</i>