

Publications Internationales

1. **Radia Slaimia ,Rabah Oumeddour ,Soraya Nigri** ,The chemometrics approach applied to FTIR spectral data for the oxidation study of Algerian extra virgin olive oil,International Food Research Journal,**2017**,vol 24, PP 1301-1307. [www.ifrj.upm.edu.my/24%20\(03\)%202017/\(54\).pdf](http://www.ifrj.upm.edu.my/24%20(03)%202017/(54).pdf)
2. **Ghania Nigri,Yacine Cherait, Soraya Nigri**, Characterization of eco- substituted cement containing waste ground calcined clay brick, **2017**, vol 44(11) , PP 956-961. <https://doi.org/10.1139/cjce-2016-0537> .
3. **Fares Aissat , Akila Barama, Siham Barama, Nawel Fodil Cherif,and Mohamed Lyamine Chelaghmia**, Synthesis and Characterization of $Ba_{0.5}Sr_{0.5}Ni_xCo_{0.8-x}Fe_{0.2}O_{3-d}$ ($x=0$ and 0.2) Perovskites as Electro-catalysts for Methanol Oxidation in Alkaline Media. Electroanalysis 29(**2017**)1-10
4. **S. Abid Charef, A.M. Affoune, A. Caballero, M. Cruz-Yusta, J. Morales**, [Simultaneous recovery of Zn and Mn from used batteries in acidic and alkaline mediums: A comparative study](#) Waste Management 68 (**2017**) 518-526
5. **Rafiaa Kihal, Hassiba Rahal, Abed Mohamed Affoune and Mokhtar Ghers**, Electrodeposition of SnS thin films solar cells in the presence of sodium citrate. Journal of Electrochemical Science and Technology, **2017**, 8(3), 206-214.
6. **H. Rahal, R. Kihal, A.M. Affoune, M. Ghers and F. Djazi**, Electrodeposition and characterization of ZnO thin films using sodium thiosulfate as an additive for photovoltaic solar cells. Journal of Semiconductors, 38 (5) (**2017**) 053002-7.
7. **Bachir Ben Seghir, M. E. Hocine Benhamza**, Preparation, Optimization, and Characterization of Chitosan Polymer From Shrimp Shells, journal of food Measurement and Characterization ,DOI(Digital Object Identifier): 10.1007/s11694-017-9490-9, 06 fevrier **2017** PP1-11.<https://link.springer.com/content/pdf/10.1007%2Fs11694-017-9490-9.pdf>.
8. **Abderrafik Nemamcha, Fatima Rouabhia ,Hayet Moumni,Jean Luc Rehspringer**, Formation mechanism of Pd/PVP nanoparticles: effect of ultrasonic irradiation time,New Trends and Issues Proceedings on Advances in Pure and Applied Sciences, **2017**, ISSN: 2547-880X
9. **Fatima Zohra Bouzit, Abderrafik Nemamcha, Hayet Moumni, Jean Luc Rehspringer**, Morphology and Rietveld analysis of nanostructured Co-Ni electrodeposited thin films obtained at different current densities, Journal of Surface and Coatings Technology, **2017**, vol 315, PP 172-180, Elsevier.www.sciencedirect.com.
10. **Amira Trodi, M. E. Hocine Benhamza**, Particule Shape and Aspect Ratio Effect of Al_2O_3 -Water Nanofluid on Natural Convective Heat Transfer Enhancement in Differentially Heated Square Enclosures, volume 204, **2017**-Issue 2 pages 158-167, Chemical Engineering Communications;Taylor & Francis.<https://www.tandfonline.com/doi/abs/10.1080/00986445.2016.1246437>.
11. **Soraya Nigri, Rabah Oumeddour**, Detection of extra virgin olive oil adulteration using Fourier transform infrared, synchronous fluorescence spectroscopy and multivariate analysis, in Rivista Italiana Delle Sostanze Grasse XCIII(2016(2)):125-131 · April **2016**
12. **Omar Khelifi, Ikram Mehrez, Wahiba Ben Salah, Fatma Ben Salah, Maamar Younsi, Mouna Nacef, Abed Mohamed Affoune**, Etude de l'adsorption du bleu de methylene (BM) a partir des solutions aqueuses sur un biosorbant préparé a partir des noyaux de datte algérienne, Larhyss Journal, 28(4), **2016**, 135-148.

13. **Mahmoudi, O., T. Bordjiba, A.M. Affoune**, Density Functional Theory Study of the Interaction of 2-Mercaptobenzimidazole and Gold, Palladium and Nickel atoms, *International Journal of ELECTROCHEMICAL SCIENCE*, 11(2016)4427-4441
14. **H. Belbah, H. Amira-Guebailia1, A.M. Affoune , I. Djaghout , O. Houache and M.A. Al-Kindi**, Effect of a Natural Brightener, Daphne gnidium L. on the Quality of Nickel Electroplating from Watts Bath, *Journal of New Materials for Electrochemical Systems*, 19(2), 2016, 97-102.
15. **Amira Trodi, M. E. Hocine Benhamza**, Convection naturelle dans une enceinte de nanofluides sous différentes conditions aux limites, *International Journal of Scientific Research & Engineering Technology (IJSET)*, 2016, vol 4, Special Issue P 271, IPCO International Publisher SLCO.
16. **Fatima Zohra Bouzit, Abderrafik Nemamcha, Nourddine Maza, Hayet Moumeni**, Traitement et analyses des eaux usées par un système à base de Phragmites australis (Roseau), *International Journal of Scientific Research & Engineering Technology (IJSET)*, 2016, vol 4, Special Issue P 60, IPCO International Publisher SLCO.
17. **Lahiouel Yasmina, Lahiouel Rachid**, Evaluation of Energy Losses in Pipes, 2015, *American Journal of Mechanical Engineering*, 2015, Vol. 3, No. 3A, pp 32-37 doi: 10.12691/ajme-3-3A-6
18. **Amira Trodi**, Convection naturelle dans une enceinte de Nanofluide, 2015, Editions universitaires européennes (EUE), OmniScriptum GmbH & Co.KG. Saabrücken , Deutschland, Allemagne ISBN 978-3-8416-7081-6
19. **Ilhem Djaghout, Abed Mohamed Affoune, Mohamed Lyamine Chelaghmia, Malek Bendjaballah**, Experimental Investigation of Nickel Electrodeposits Brightness in the Presence of Surfactants: Modeling, Optimization and Polarization Studies, 2015, *Portugaliae Electrochimica Acta*, M843-15 volume 33 (2015), pages 209-222.
20. **Radia Selaimia, Abdelsalem Beghiel, Rabah Oumeddour**, the Synthesis of Biodiesel from Vegetable Oil, 26 juillet 2015, *Procedia - Social and Behavioral Sciences* Volume 195, 3 July 2015, Pages 1633–1638.
21. **Chouarfa Fella, Benhamza M. E. Hocine, Bendjaballah Malek**, New model of Heat Transfer in the Process of Nuclate Boiling in Pool : Prediction and Assesment, *Journal of Engineering Physics and Thermophysics*, Volume 87, Number 3, pp.743-752, May 2014, ISSN 1062- 0125, Publisher: Springer.
22. **Hayet Moumeni, Abderrafik Nemamcha, Safia Alleg, Jean Marc Greneche**, Hyperfine interactions and structural features of Fe–44Co–6Mo (wt.%) nanostructured powders, *Materials Chemistry and Physics (Elsevier)*, 138 (2013), 209-2014.
23. **S. Nigri and R. Oumeddour**, Fourier transform infrared and fluorescence spectroscopy for analysis of vegetable oils, *MATEC Web of Conferences*, Article Number 04028, 3 Volume 5, (2013), Published by EDP Sciences, 2013 ; DOI:10.1051/matecconf/20130504028.
24. **Mohamed Lyamine Chelaghmia, Mouna Nacef & Abed Mohamed Affoune**, Ethanol electrooxidation on activated graphite supported platinum-nickel in alkaline medium. *Journal of Applied Electrochemistry* , Volume 42, N°10, June 2012, pp 819-826, Springer Journal.
25. **M. Nacef, A. M. Affoune**, Comparison between direct small molecular weight alcohols fuel cells' and hydrogen fuel cell's parameters at low and high temperature. Thermodynamic study. *International Journal of Hydrogen Energy*, Volume 36, Issue 6, March 2011, Pages 4208-4219

26. **M. E. Hocine Benhamza and Fella Chouarfa**, Modeling of the solid-liquid bubble interface in partial nucleate boiling'. Journal of Engineering Physics and Thermophysics, Volume 84, Number 2, pp.305-311(7), **March 2011**, ISSN 1062-0125, Publisher: Springer. Journal & Article site: <http://www.springerlink.com/content/b3771q776p5t2185>.
27. **Hayet MOUMNI, Abderrafik NEMAMCHA, Safia Alleg, Jean Marc Greneche**, Stacking faults and structure analysis of ball milled Fe50%Co powders. Journal of Materials Chemistry and Physics, 122 (2-3) (2010) 439.
28. **Malek Bendjaballah, Jean Paul Canselier, Rabah Oumeddour**, Optimization of O/W Emulsion Stability: Experimental Design, Multiple Light Scattering and Acoustic Attenuation Spectroscopy, Journal of Dispersion Science and Technology, 31, **(2010)**, 1260–1272.
29. **A. Saïla, P. Taxil, P. Chamelot, L. Massot, M. Gibilaro, A.M. Affoune**, Electrochemical behaviour of dysprosium (III) in LiF-CaF₂ eutectic melts on Mo, Ni and Cu electrodes. Journal of Electroanalytical Chemistry, 642 **(2010)** 150–156.
30. **S. Gherib et al**, Cracking behavior of carbon black filled elastomers. World Scientific Publishing. International Journal of Nanoscience , Volume: 9 Issue: 6 **(2010-12)** Page: 557-561.
31. **A. Cheraitia et al**, Synthesis and characterisation of microporous silica-alumina membranes, J.Porous. Mater, Vol. Volume 17, Number 3, 259-263, DOI: 10.1007/s10934-009-9300-9, **(2010)**, <http://www.springer.com>
32. **A. Cheraitia et al**, Synthesis and characterisation of Microporous silica-Alumina thin films. International Journal of Nanoscience Vol.9 ,No.6 **(2010)** 1-4.
33. **Med El Hocine Benhamza and Fella Chouarfa**, Validity of Solid- Liquid Bubble Interface Modeling in Partial Nucleate Boiling'. Heat Transfer Research, Volume 40, Issue 8, Year **2009**, ISSN 1064-2285, Begell House Inc., USA. Journal site: <http://www.begellhouse.com/journals>.
34. **M. E. Benhamza and F. Belaid**, Computation of turbulent channel flow with variable spacing riblets'. Scientific Journal MECHANIKA, Nr. 5(79), **2009**, ISSN 1392-1207. <http://zurnalas.mechanika.ktu.lt>
35. **M. E. Hocine Benhamza, Fairouz Belaid**, Turbulent Flow Control Prediction Using LES and RSM Modelling, International Review on Modelling and Simulations' International Review on Modelling and Simulations ,Vol. 2, N. 1, pp. 72-77, **February 2009**, ISSN 1974-9821, P.W.P. Italy.
36. **Malek Bendjaballah, Jean Paul Canselier, Rabah Oumeddour**, Oil-in-Water Emulsion Stability Evaluation Using Experimental Design, Multiple Light Scattering and Acoustic Attenuation Spectroscopy, , International Review of Chemical Engineering, 1(2), **(2009)**, 170-178.
37. **A. Mohamed Affoune, Abdelkader Saïla, Jacques Bouteillon and Jean C. Poignet**, Electrochemical Behaviour of silver and rhenium electrodes in molten alkali fluorides. Journal of Applied Electrochemistry, 37**(2007)**155-16.
38. **A. Mohamed Affoune, A. Yamada and M. Umeda**, Conductivity and surface morphology of Nafion membrane in water and alcohol environments. Journal of Power Sources, 148**(2005)**9-17.
39. **Minoru Umeda, Akifumi Yamada, Abed Mohamed Affoune and Isamu Uchida**, A novel proton conductor based on ternary polymer blend: Preparation and optimization of composition Electrochimica Acta, 50**(2004)**611-615.
40. **A. M. Affoune, A. Yamada and M. Umeda**, Surface observation of solvent-impregnated Nafion membrane with atomic force microscopy. Langmuir, 20(17)**(2004)**6965-6968.

41. **A.M. Affoune, J. Bouteillon and J.C. Poignet**, Electrochemical Reduction of Solutions of ReF_6 in the Fused LiF-NaF-KF eutectic mixture. *Journal of Applied Electrochemistry*, 32(2002)521-526.
42. **A. M. Affoune, B. L. V. Prasad, Hirohiko Sato, Toshiaki Enoki, Yutaka Kaburagi and Yoshihiro Hishiyama**, Experimental evidence of a single nano-graphene. *Chemical Physics Letter*, 348(2001)17-20.
43. **A. M. Affoune, B. L. V. Prasad, Hirohiko Sato and Toshiaki Enoki**, Electrophoretic deposition of nano-sized diamond particles. *Langmuir*, 17(2)(2001)547-551.