

CURRICULUM VITAE

Etat civil

Nom : KHIREDDINE

Prénom : Hafit

Date et lieu de naissance : 08 janvier 1960 à Amizour, Béjaia.

Situation familiale : marié, 03 enfants.

Nationalité : Algérienne.

Adresse: Département de Génie des procédés, Faculté de Technologie,
Université A. Mira de Béjaia

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Diplômes et Fonctions

Diplôme d'Etudes Secondaires : BAC, Lycée de Béjaia (Algérie) 1981/1982	
D.E.S. (Diplôme d'étude supérieure) en électrochimie , sétif (Algérie)	1985/1986
Doctorat en électrochimie , INPGrenoble (France), le 28/10/1992, mention très honorable avec félicitations du jury. Titre du mémoire : Etudes des performances de capteurs potentiométriques à ions sodium utilisant des membranes de NASICON. Doctorat d'Etat Algérien (équivalence) 10/ 1993 Grade : Professeur depuis décembre 2009 Fonction : Enseignant Spécialité: Electrochimie du solide Domaines scientifique d'intérêt: Capteur, matériaux, biomatériaux, environnement Postes administratifs occupés : - Chef de département Mines, université de Béjaia (2011---2014) - Directeur du Laboratoire de Génie de l'Environnement, université de Béjaia, Algérie (2005 – 2016) - Président du Conseil Scientifique de la faculté de Technologie, université de Béjaia, depuis 2013 à ce jour.	

Publications depuis l'année 2010:

- [1] S. Meski, S. Ziani, **H. Khiredine**, Removal of lead ions by hydroxyapatite prepared from Egg shell, J. Chem. Ing. Data. 55 (2010) 3923-3928.
- [2] S. Meski, S. Ziani, **H. Khiredine**, S. Boudboub, S. Zaidi, Factorial design analysis for sorption of zinc on hydroxyapatite, Journal of Hazardous Materials, Volume 186, Issues 2–3, 28 February 2011, Pages 1007-1017
- [3] S. Meski, S. Ziani, **H. Khiredine**, F. Yataghane and N. Ferguene, Elaboration of hydroxyapatite with different precursors and application for the retention of lead, Water Science and Technologie, 2087-2096, (2011) **Français** : Lu/Ecrit/Parlé.

- [4] **H. Khireddine**, S. Meski et S. Ziani, Removal of Zn (II) from aqueous solutions by goat bone: Structure and equilibria process, International journal synthesis and characterization, volume 4, number 2, july-december 2011
- [5] F. Bir, **H. Khireddine**, A. Touati, D. Sidane, S. Yala, H. Oudadesse, Electrochemical depositions of fluorohydroxyapatite doped by Cu²⁺, Zn²⁺, Ag⁺ on stainless steel substrates *Applied Surface Science, Volume 258, Issue 18, 1 July 2012, Pages 7021-7030*
- [6] Fatima Bir, **Hafit Khireddine**, Hicham Benhayoune, Anthony Maho and Dalila Ksouri, characterization of HA/FHA Coatings on Smooth and Rough Implant Surface by Pulsed Electrodeposition, International Journal of Applied Ceramic Technology, 12 [S3] E222–E234 (2015).
- [7] S. Yala, **H. Khireddine**, D. Sidane, S. Ziani, F. Bir, Surface modification of natural and synthetic hydroxyapatites powders by grafting polypyrrole, Journal of Materials Science October 2013, Volume 48, Issue 20, pp 7215–7223.
- [8] S. Ziani, S. Meski et **H. Khireddine**, Characterization of Magnesium-Doped Hydroxyapatite prepared by Sol Gel Process, International Journal of Applied Ceramic Technology, 1-9 (2013), DOI:10.1111/ijac.12093
- [9] D. Sidane, D. Chicot, S. Yala, F. Bir, **H. Khireddine**, S. Ziani, A. Iost, X. Decoopman, Study of the mechanical behavior and corrosion resistance of hydroxyapatite sol-gel thin coatings on 316L SS pre-coated with titania film. *Thin Solid Film* **593**, 71–80 (2015).
- [10] Djahida Sidane, **Hafit Khireddine**, Sabeha Yala, Salima Ziani, Fatima Bir, Didier Chicot, Morphological and mechanical properties of hydroxyapatite bilayer coatings deposited on 316L SS by sol-gel method. *Metallurgical and Materials Transactions B* **46**, 2340–2347 (2015).
- [11] Yala S, Boustta M, Gallet O, Hindié M, Carreiras F, Benachour H, Sidane D, **Khireddine H.**, New synthesis method of HA/P(D,L)LA composites: study of fibronectin adsorption and their effects in osteoblastic behavior for bone tissue engineering. *J Mater Sci Mater Med.* 2016 Sep;27(9):140.
- [12] Djahida Sidane, **Hafit Khireddine**, Fatima Bir, Sabeha Yala, Alex Montagne, And Didier Chicot, Hydroxyapatite-TiO₂-SiO₂-Coated 316l Stainless Steel For Biomedical Application, *Metallurgical And Materials Transactions A*, 3582—Volume 48a, July 2017
- [13] D. Sidane, H. Rammal, A. Beljebbar, S.C. Gangloff, D. Chicot, F. Velard, **H. Khireddine**, A. Montagne, H. Kerdjoudj, Biocompatibility of sol-gel hydroxyapatite-titania composite and bilayer coatings, *Materials Science and Engineering C* **72** (2017) 650–658

Projet de recherche en cours

Elaboration de substituts osseux poreux à base d'un biocomposite bioactif pour une application biomédicale

Université de Béjaia ; Code : A13N01UN060120150001

Nombre de thésards encadrés actuellement sur les biomatériaux à application biomédicale : cinq (05) thèses dont une en cotutelle avec l'université Cergy Pontoise (Prof. Olivier Gallet) ; 2^{ième} année.

CURRICULUM VITAE

Civil status

Name : KHIREDDINE

First name : Hafit

Date and place of birth: 08 january 1960 in Amizour, Bejaia.

Family situation: married, 03 children.

nationality: Algerian

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A. Mira University of Bejaia

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Diplomas and Functions

BAC, Lycée de Béjaia (Algérie)	1981/1982
D.E.S. in électrochemistry , sétif (Algérie)	1985/1986
PhD in électrochemistry , INPGrenoble (France), le 28/10/1992, honorable mention with congratulations from the jury.	
Thesis title: Performance studies of sodium ion potentiometric sensors using NASICON membranes.	
Grade : Professeur depuis décembre 2009	
Function : Enseignant	
Specialty: Solid Electrochemistry	
Scientific fields of interest: Sensor, materials, biomaterials, environment	
Occupied administrative posts:	
- Head of Mining Department, University of Bejaia (2011 --- 2014)	
- Director of the Laboratory of Environmental Engineering, University of Bejaia, Algeria (2005 - 2016)	
- President of the Scientific Council of the Faculty of Technology, University of Bejaia, since 2013 to today.	

Publications since the year 2010:

- [1] S. Meski, S. Ziani, **H. Khiredine**, Removal of lead ions by hydroxyapatite prepared from Egg shell, J. Chem. Ing. Data. 55 (2010) 3923-3928.
- [2] S. Meski, S. Ziani, **H. Khiredine**, S. Boudboub, S. Zaidi, Factorial design analysis for sorption of zinc on hydroxyapatite, Journal of Hazardous Materials, Volume 186, Issues 2–3, 28 February 2011, Pages 1007-1017
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- [6] Fatima Bir, **Hafit Khireddine**, Hicham Benhayoune, Anthony Maho and Dalila Ksouri, characterization of HA/FHA Coatings on Smooth and Rough Implant Surface by Pulsed Electrodeposition, *International Journal of Applied Ceramic Technology*, 12 [S3] E222–E234 (2015).
- [7] S. Yala, **H. Khireddine**, D. Sidane, S. Ziani, F. Bir, Surface modification of natural and synthetic hydroxyapatites powders by grafting polypyrrole, *Journal of Materials Science* October 2013, Volume 48, Issue 20, pp 7215–7223.
- [8] S. Ziani, S. Meski et **H. Khireddine**, Characterization of Magnesium-Doped Hydroxyapatite prepared by Sol Gel Process, *International Journal of Applied Ceramic Technology*, 1-9 (2013), DOI:10.1111/ijac.12093
- [9] D. Sidane, D. Chicot, S. Yala, F. Bir, **H. Khireddine**, S. Ziani, A. Iost, X. Decoopman, Study of the mechanical behavior and corrosion resistance of hydroxyapatite sol-gel thin coatings on 316L SS pre-coated with titania film. *Thin Solid Film* **593**, 71–80 (2015).
- [10] Djahida Sidane, **Hafit Khireddine**, Sabeha Yala, Salima Ziani, Fatima Bir, Didier Chicot, Morphological and mechanical properties of hydroxyapatite bilayer coatings deposited on 316L SS by sol-gel method. *Metallurgical and Materials Transactions B* **46**, 2340–2347 (2015).
- [11] Yala S, Boustta M, Gallet O, Hindié M, Carreiras F, Benachour H, Sidane D, **Khireddine H.**, New synthesis method of HA/P(D,L)LA composites: study of fibronectin adsorption and their effects in osteoblastic behavior for bone tissue engineering. *J Mater Sci Mater Med*. 2016 Sep;27(9):140.
- [12] Djahida Sidane, **Hafit Khireddine**, Fatima Bir, Sabeha Yala, Alex Montagne, And Didier Chicot, Hydroxyapatite-TiO₂-SiO₂-Coated 316l Stainless Steel For Biomedical Application, *Metallurgical And Materials Transactions A*, 3582—Volume 48a, July 2017
- [13] D. Sidane, H. Rammal, A. Beljebbar, S.C. Gangloff, D. Chicot, F. Velard, **H. Khireddine**, A. Montagne, H. Kerdjoudj, Biocompatibility of sol-gel hydroxyapatite-titania composite and bilayer coatings, *Materials Science and Engineering C* **72** (2017) 650–658

Research project in progress

Elaboration of porous bone substitutes based on a bioactive biocomposite for a biomedical application, University of Bejaia; Code: A13N01UN060120150001
Number of PhD students currently supervised on biomaterials with biomedical application: five (05) PhDs including one in co-supervision with Cergy Pontoise University (Prof. Olivier Gallet); 2nd year.