

5. PUBLICATIONS

5.1. Publications Internationales

Année 2017

1. **Dalila Moudir, Razika Souag, Nour Kamel, Abdelbaki Benmounah, Sonia Mesrana, Nawel Slimani, Ali Sari.** Study of the influence of Na/K alkali molar ratio on the properties of a glassy material for nuclear waste disposal. *Fresenius Environmental Bulletin (FEB)*, Volume 26-No. 1a/2017, pages 913-918, ISSN: 1018-4619.

Année 2016

1. **Limam Amel, Zerizer Abdellatif, Quenard Daniel, Sallee Hebert, Chenak Abdelkrim.** Experimental thermal characterization of bio-based materials (Aleppo Pine wood, cork and their composites) for building insulation." *Elsevier, Energy and Buildings* . Available online 7 January 2016. [doi:10.1016/j.enbuild.2016.01.007](https://doi.org/10.1016/j.enbuild.2016.01.007).

2. **C. Belkacemi, B. Bezzazi.** Sandwich panels from cork and polyester in presence of epoxy resin as interfacial adhesive" Vol.11 (24), pp. 336-346, December. 2016 DOI:10.5897/IJP S2016.4541. ISSN: 1992-1950.

2. **A. Limam, A. Zerizer, D. Quenard,** « Determination of acoustic parameters of bio-based materials distended for building: Application case to Aleppo pine wood cork and their composites», *Wood Research*, Vol. 61 (1), 2016, pp 25-34: ISSN:1336-4561, <http://www.woodresearch.sk/articles.php?volume=14&issue=52>.

3. **M. Hocine, A. Guittoum, M. Hemmous, D. Martínez-Blanco, P. Gorria, B. Rahal, J.A. Blanco, J.J. Sunol, A. Laggoun.** "The role of silicon on the microstructure and magnetic behaviour of nanostructured (Fe_{0.7}Co_{0.3})_{100-x}Si_x powders". *Journal of Magnetism and Magnetic Materials*. [Volume 422](#), 15 January 2017, Pages 149–156.

4. **F. Bencouici, M. Bououdina, A. Adakhel, T. Souier, R. Tala-Ighil, M. Toubane, A. Iratni, S. Liu, W. Cai** « Al doping effect on the morphological, structural and photocatalytic properties of TiO₂ thin layers » *Thin Solid Films* (2016). 10.1016/J.TSF.2016.09.046

5. **F. Bencouici, M. Bououdina, A. Adakhel, T. Souier, R. Tala-Ighil, M. Toubane, A. Iratni, S. Liu, W. Cai** « Optical Structural and Photocatalysis Properties of Cu-Doped TiO₂ Thin Films », *Applied Surface Science*. <http://dx.doi.org/10.1016/j.apsusc>. 2016.07.034.

6. **A. Guesmia, M. Msimanga, C.A. Pinda-Vargas, H. Ammi, A. Dib, S. Mammeri** « Slowing down of 2-11 MeV C¹², O¹⁶, Si²⁸ and Cu⁶³ heavy ions through Si₃N₄ thin foil by using Time-of-Flight spectrometry » *Nuclear Instruments and Methods in Physics Research B* 371(2016) 69-75 <http://dx.doi.org/10.1016/j.nimb> . 2015. 10.058.

7. **Rafik Halimi, Boudjema Bezzazi, Ali Badidi Bouda, M'hamed Djelloul Abbou and Oussama M.** « Study and analysis of mechanical and viscoelastic behavior in flexure of laminated composites » *international journal of Materials Research*; Vol.107, Issue 1 (January 2016). www.hanser-library.com/doi/abs/10.3139/146.111310.

8. **Djamila Aboutaleb and Brahim Safi** « Structure and Properties of the Soda-Borate Glasses; Effect of Adding Fe₂O₃ Concentration » *J Chem Eng Process Technol* 2016. 7; 1 <http://dx.doi.org/10.4172/2157-7048.1000268>.

- 9. Bahia Rabhi, Youcef Ghernouti, Khaled Boumchedda, Alex Li and Abdelkader Drir.** « Durability and thermal stability of ultra high-performance fibre-reinforced concrete (UHPFRC) incorporating calcined clay »European journal of Environmental and Civil Engineering, 2016. <http://dx.doi.org/10.1080/19648189>. 2016.1139508
- 10. H.Belkhalifa, H .Ayed, A.Hafdallah, M.S.Aida, R.Tala Ighil.** « Characterization and studying of ZnO thin films deposited by spray pyrolysis; Effect of annealing temperature » Optik-International Journal for Light and Electron Optics Volume 127 issue4, February2016, page (2336-2340). [doi10.1016/j.ijleo.2015.11.126](https://doi.org/10.1016/j.ijleo.2015.11.126).
- 11. Nassima Benferrah, Mohamed Hammadi, Christian philouze, Florian Berthiol, Fabrice Thomas.** « Copper (II) complex of a Schiff base of dehydroacetic acid: Characterization and aerobic oxidation of benzyl alcohol »Inorganic Chemistry Communications [Volume 72](#), October 2016, Pages 17–22. <http://dx.doi.org/10.1016/j.inoche.2016.07.020>
- 12. H.Belkhalifa,Florina Teodorescu,Gurvan Queniat, Yannick Coffinier , Nahed Dokhan,Sabrina Sam, Amar Abderrahmani, Rabah Boukheroub, Sabine Szunerits.** «Insulin impregnated reduced graphene oxide/Ni (OH)₂ thin films for electrochemical insulin release and glucose sensing » Sensors and Actuators B: Chemical [Volume 237](#), December 2016, Pages 693–701.<http://dx.doi.org/10.1016/j.snb.2016.06.132>.
- 13. Ait Ahsene, Fetta** « Etude des composés toxiques issus de L'incinération des médicaments perimes et des dasri « 2016 <http://dlibrary.univboumerdes.dz:8080/handle/123456789/2955>.
- 14. M.Toubane, R.Tala-Ighil, F.Bencouici, M.Bououdina, S.Liu, W.Cai T.Souier, A.Iratni** « Structural, optical and photocatalytic properties of ZnO nanorods: Effect of aging time and number of layers« [Ceramics International](#)[Volume 42, Issue 8](#), June 2016, Pages 9673–9685. <http://dx.doi.org/10.1016/j.ceramint.2016.03.056>.
- 15. Qian Wang, Yao Ma, Xin Jiang, Nianjun Yang, Yannick Coffinier, Hakim Belkhalifa, Nahed Dokhane, Musen Li, Rabah Boukherroub, and Sabine Szunerits.** « Electrophoretic Deposition of Carbon Nanofibers/Co (OH)₂ Nanocomposites: Application for Non-Enzymatic Glucose Sensing »Electroanalysis 2016, 28,119-125. www.electroanalysis.wiley-vch.de.
- 16. Fouzia Benoudjit, Mohamed Amine Benoudjit, Messaoud Hachemi** « Seasonal characterisation of the local sewage sludge »Fresenius Environmental Bulletin Volume 25-No.4/2016.pages 1175-1182.
- 17. Mohamed Zeghad, Jozef Mitterpach, Brahim Safi, Belaid Amrane, Mohamed Saidi.** «Reuse of Refractory Brick Wastes (RBW) as a Supplementary Cementitious Material in a Concrete »Periodica Polytechnica Civil Engineering 2016 paper. [DOI:10.3311/ppci.8194](https://doi.org/10.3311/ppci.8194)
- 18. D. Moudir, S.Ikhaddalene, N.Kamel, A.Benmounah.F. Zibouche, Y.Mouheb, F.Aouchiche**« Effet of the Iron Conecntation on the Properties of an Aluminosilicate Glass used for Storage of Radioactive Waste» Fresenius Environmental Bulletin Volume 25-No. 4/2016. Pages 1051-1058.
- 19. Haddoum, Nadia, Hadjadj, Ahmed, & Benmounah, Abdelbaki.** Study assesses materials to minimize mud losses in Algeria's Hassi Messaoud field. *Oil & Gas Journal*, 2016, vol. 114, no 3, p. 48-54.
- 20. Sara Benzitouni, Mourad Zaabat,Aicha Khial, Damil Rechem, Ahlem Benaboud, Dhikra Bouras, Abdelhakim Mahdjoub, Mahdia Toubane, Raphael Coste** « High Sensitivity of Porous Cu-Doped SnO₂Thin Films to Methanol ». *Advances in Nanoparticles*, 5,140-148 . <http://dx.doi.org/10.4236/anp.2016.52016>

21. **B.Bouaouina, A.Besnard, S.E.Abaidia, F.Haid** «Residuel stress, mechanical and microstructure properties of multilayer Mo₂N/CrN coating produced by R.F Magnetron discharge »Applied Surface Science 2016. <http://dx.doi.org/10.1016/j.apsusc.2016.04.024>
22. **M.Saidi, B. Safi** «Effect of mineral additives (natural pozzolana and sand of dunes) by substitution of cement on the performance and durability of mortars »Materials Science and Engineering 123 (2016) doi:10.1088/1757-899X/123/1/012015.
23. **M.Hamiane, C.Assafsaf.** « Use of Thermo-Hygro Buttons in Tracking The Influence Of Humidity And Temperature On The Deterioration Of The Building Stones Of The Mausoleum Of Imedghassen Batna In Algeria »MATEC Web of Conferences66. DOI:10.105/mateconf/20166600013.
24. **Ammar Malek, Benamar Benotmane, Chouaib Aribi, Messaoud Hachemi.** «Chimical Transformation of Chromed Leather Wastes into Environmentally Harmless Fibrous Biomass» Environment Protection Engineering (2016) Vol 42 DOI: 10.5277/epe160314.
25. **Rabah .Chaid, Laurent Molez, Malika.SabriaMansour, Aissa.Talah.** « Comportement des BHPde laitier soumis aux cycles immersion-séchage » Journal of Materials and Engeering Structures 3 (2016) 23-33.
26. **M.Hocine, A.Guittoum, M.Hemmous, D.Martinez, P.Gorria, B.Rahel, J.A. Blanco, J.J.Sunol, A.Laggoun.** « The role of silicon on the microstructure and magnetic behavior of nanostructured (Fe_{0.7}Co_{0.3})_{100-x}Si_x powders » journal of Magnetism and Magnetic Material <http://dx.doi.org/10.1016/j.jmmm.2016.08.05>
27. **F Benhaoua, A. Ayadi, N Stiti, Y Lamri, H Ratni** « Elaboration and characterization of a cellular glass based cullet loaded with Carbon fibers » *Materials Letters* Volume 160 (2016), Pages 278–281 <http://dx.doi.org/10.1016/j.matlet.2015.07.095>.
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Année 2015

1. **F. Bensouici, T. Souier, A.A. Dakhel, A. Iratni, R. Tala-Ighil, M. Bououdina** ‘‘Synthesis, characterization and photocatalytic behavior of Ag doped TiO₂ thin film . Superlattices and Microstructures, Volume 85, September 2015, Pages 255-265.
2. **H. Belkhalifa, H. Ayed, A. Hafdallah, M.S. Aida, R. Tala Ighil.** "Characterization and studying of ZnO thin films deposited by spray pyrolysis: Effect of annealing temperature." *Elsevier, Optik* 127(2016) 2336–2340. <http://dx.doi.org/10.1016/j.ijleo.2015.11.12>
3. **Mohammed Saidi , Brahim Safi , , Abdelbaki Benmounah , Nadjiba Megdoud , Faiza Radi,** " Physico-mechanical properties and thermal behavior of firebrick-based mortars in superplasticizer presence. *Construction and Building Materials. ScienceDirect* 104 (2016) 311–321. <http://dx.doi.org/10.1016/j.conbuildmat.2015.12.026> ISSN 0950-0618.
4. **Rafik Halimi, Boudjema Bezzazi, Ali Badidi Bouda, M'hamed Djelloul Abbou, and Oussama Mimouni** (2015). Study and analysis of mechanical and viscoelastic behavior in flexure of laminated composites. *International Journal of Materials Research. e-first Article.* Posted online on 27 Oct 2015. doi: 10.3139/146.111310
5. **Bouزيد Mohammed, Djadi Amina , Bezzazi Boudjema** "Complex di-hydrate calcium phosphate - glutaraldehyde: formulation mechanism" *European Scientific Journal* October 2015 /SPECIAL/ edition Vol.2 ISSN: 1857 – 7881 (Print) e - ISSN 1857- 7431. p.118-126.

6. **Bouزيد Mohammed and Djadi Amina** "Revaluation of activated sludge and chicken manure through composting by aerobic process" .African Journal of Agricultural Research. Vol. 10(52), pp. 4831-4836, 24 December, 2015 . DOI: 10.5897/AJAR2015.9950 . <http://www.academicjournals.org/AJAR>.
7. **Z. Belouadah, A. Ati, M. Rokbi,** " Characterization of new natural cellulosic fiber from *Lygeum spartum* L. *Carbohydrate Polymers*, Volume 134, 10 December 2015, Pages 429-437.
8. **Ammar Malek, Chouaib Aribi.**"Mechanical and physicochemical characterization of an epoxy-based composite reinforced with fibrous biopolymer" by *Product Fibers and Polymers*, November 2015, Volume 16, [Issue 11](#), pp 2458-2462, ISSN: 1229-9197 (Print) 1875-0052.
9. **DOKARI, H.; HAMMADI, M.; BENFERRAH, N.; RACHEDI, Y.** "Formation of Benzylidenes-Diacetates Catalyzed by Activated Zeolite "LZY-562" and Clay (K10/ZnCl₂): An Unexpected Functional Selectivity " *Asian Journal of Chemistry* .2015, Vol. 27 Issue 6, p1973-1976.DOI:10.14233/ajchem.2015.15881#sthash.8twtPIMW.dpuf
10. **F. Benhaoua, A. Ayadi, N. Stiti, Y. Lamri, H. Ratni** (2015); Elaboration and characterization of a cellular glass based cullet loaded with carbon fibers, *Sciencedirect; Materials Letters*, Volume 160, 1 December 2015, Pages 278–281, doi:10.1016/j.matlet.2015.07.095
11. **Mohammed Saidi, Brahim Safi, Khaled Bouali, Abdelbaki Benmounah, Madjid Samar,** (2015); Improved behavior of mortars at a high temperature by using refractory brick wastes, *Indersciences Publishers; International Journal of Microstructure and Materials Properties*, 2015. <http://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijmmp>
12. **Qian Wang, Yao Ma, Xin Jiang, Nianjun Yang, Yannick Coffinier, Hakim Belkhalifa, Nahed Dokhane, Musen Li, Rabah Boukherroub and Sabine Szunerits** (2015); Electrophoretic Deposition of Carbon Nanofibers/Co(OH)₂ Nanocomposites: Application for Non-Enzymatic Glucose sensing, *Electroanalysis*; Article first published online: 23 SEP 2015; DOI: 10.1002/elan.201500417
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14. **Naima Haddadoua, Rabah Chaid and Youcef Ghernouti,** (2015) Experimental study on steel fibre reinforced self-compacting concrete incorporating high volume of marble powder, *European Journal of Environmental and Civil Engineering*, Volume 19, Issue 1, 2015, pages 48-64; 10.1080/19648189.2014.929537
15. **Aldjia Boutiba, Rabah Chaid, Laurent Molez, Raoul Jaubertie,** (2015) Ripening in Chemically Aggressive Environment the HPC Reinforced with Hybrid Steel Fiber, *Periodica Polytechnica Civil Engineering*, (2015) e-first paper 7899, <http://www.pp.bme.hu/ci/article/view/7899>
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18. **Amar Irekti, Boudjema Bezzazi, Agnès Smith and Chouaib Aribi**" Experimental study of dielectric properties of composite materials pozzolan/DGEBA" *Journal Polymer Composites*. 1548-0569. (2015). DOI: 10.1002/pc.23589. <http://onlinelibrary.wiley.com/doi/10.1002/pc.23589/abstract>.
19. **Khaled Benyounes and Abdelbaki Benmounah**"Rheological and electrokinetic characterization of bentonite particles in aqueous phase in presence of KCl " *Particulate Science and Technology: An International Journal* Published. Online: 11 May 2015. DOI:10.1080/02726351.2015.1042563

20. **D.E. Djemiat, A. Safri, A. Benmounah, B. Safi**: Rheological behavior of an Algerian crude oil containing Sodium Dodecyl Benzene Sulfonate (SDBS) as a surfactant: Flow test and study in dynamic mode; *Journal of Petroleum Science and Engineering*, Volume 133, September 2015, Pages 184–191 :<http://www.sciencedirect.com/science/article/pii/S092041051500203X>
21. **B. Safi , S. Zarouri, R. Chabane-Chaouache, M. Saidi, A. Benmounah**; Physico-chemical and rheological characterization of water-based mud in the presence of polymers; Springer: *Journal of Petroleum Exploration and Production Technology*, 29 May 2015, pp: 1-6 <http://link.springer.com/article/10.1007%2Fs13202-015-0182-x>
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25. **Razika TALA-IGHIL, Mahdia TOUBANE, Fayçal BENSOUICI, Amel SLIMANI, D. HAOUANOH, Aicha IRATNI and Samira SALI** " Effect of back contact material on czts solar cells simulated with amps" *Journal of Applied Physical Science International*, ISSN: 2348-0130 , 2015 Vol.: 3, Issue.: 1 Page 1-6. <http://www.ikpress.org/abstract.php?id=538&id=33&aid=3950#sthash.SKCuSiKB.dpuf>
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28. **Nadia Lakreb, Boudjema Bezzazi, Helena Pereira**"Mechanical strength properties of innovative sandwich panels with expanded cork agglomerates" *European Journal of Wood and Wood Products*. Springer Berlin Heidelberg. July 2015, Volume 73, Issue 4, pp 465 - 473. DOI 10.1007/s00107-015-0908-y.
29. **H. Dilmi, C. Aribi, B. Safi, B. Bezzazi, M. Saidi, O. Lounas**. The fatigue flexural behavior of fiber reinforced concrete: Effect of the parameters of coarse aggregates. Vol.10(1), *Sci. Res. Essays* ISSN: 1992-2248, pp. 31-40 , January 2015 DOI: 10.5897/SRE2014.6137 ,
30. **R. Souag, N. Kamel , M. Hammadi , Z. Kamel , D. Moudir , F. Aouchiche , Y. Mouheb and S. Kamariz**. "Study of leaching of a 2M-Zirconolite ($\text{Ca}_{0,83}\text{Ce}_{0,17}\text{ZrTi}_{1,66}\text{Al}_{0,34}\text{O}_7$) in acidic and basic media" *Journal of Ceramic Processing Research*. Vol. 16, No. 1, pp. 150~155 (2015). http://jcpr.kbs-lab.co.kr/file/JCPR_vol.16_2015/JCPR16-1/_282014-068_150-155.pdf
31. **B. Safi , M. Saidi , A. Daoui , A. Bellal , A. Mechekak , K. Toumi**,” The use of seashells as a fine aggregate (by sand substitution) in self-compacting mortar (SCM)” *Science Direct , Construction and Building Materials* 78 (2015) 430–438. <http://dx.doi.org/10.1016/j.conbuildmat.2015.01.009>

Année 2014

1. **Lakreb, N., Bezzazi, B., Pereira, H.**, "Mechanical behavior of multilayered sandwich panels of wood veneer and a core of cork agglomerates." *Materials and Design*, ISSN: 0261-3069, Science Direct (2014), <http://dx.doi.org/10.1016/j.matdes.2014.09.059>

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3. **B. Hami, A. Irekti, C. Aribi, B. Bezzazi, A. Mir,** »Experimental study of sandwich multilayer reinforced by glass fibre and agglomerated cork" *Advanced composite letters.* Volume 23, Issue 5, 2014. ISSN 0963- 6935. <http://www.acletters.org/02,02,23.html>
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5. **M. Bouzid, A. Djadi, C. Aribi, A. Irekti, B. Bezzazi, F. Halouene,** “Multilayer System of Thermosetting Polymers and Specific Confining, Application to the Walls of the Hospital unit“ *The Journal of Materials Science, Photon* 120 (2014) 175-184, Original Research Article. ISJN: 6259-3864 <https://sites.google.com/site/photonfoundationorganization/home/the-journal-of-materials-science>
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