

Liste de publications de Nordine Leklou, Professeur des Universités (Université de Nantes - IUT de Saint-Nazaire)

A. Articles dans des revues internationales à comité de lecture reconnues [ACL] : (46) (Référencées sur Web of Science et Scopus)

- [ACL46] Saleh F. A. H., Kaid N., Ayed K., Kerdal D. E., Chioukh N., **Leklou N.**, “Influence of waste tire rubber by different aggregates forms and sizes on the sustainable behavior of self-compacting sand concrete in aggressive environment”, *Journal of Rubber Research*, **2022 (In press)**
- [ACL45] Saleh F. A. H., Kaid N., Ayed K., Kerdal D. E., Chioukh N., **Leklou N.**, “Effects of rubber aggregates on the physical-mechanical, thermal and durability properties of self-compacting sand concrete”, *Frattura ed Integrità Strutturale*, Vol. 16, Issue 61, **2022**, pp. 89-107; <https://doi.org/10.3221/IGF-ESIS.61.06>
- [ACL44] Meziani M., **Leklou N.**, Chelouah N., Amiri O., “Mechanical and thermal modification of mordenite-rich tuff and its effect on cement pastes”, *Construction and Building Materials*. Vol. 318, **2022** <https://doi.org/10.1016/j.conbuildmat.2021.126008>
- [ACL43] El Moustapha B., Bonnet S., Khelidj A., **Leklou N.**, Froelich D., Babah IA., Charbuillet C., Khalifa A., “Compensation of the negative effects of micro-encapsulated phase change materials by incorporating metakaolin in geopolymers based on blast furnace slag”, *Construction and Building Materials*. Vol. 314 Part B, **2022**, <https://doi.org/10.1016/j.conbuildmat.2021.125556>
- [ACL42] Yurtdas, I., **Leklou, N.** “Effect of re-saturation after drying on hydric and strength behaviour of mortar.” *Mater Struct* 54, 186 (**2021**). <https://doi.org/10.1617/s11527-021-01780-0>
- [ACL41] Alves L., **Leklou N.**, Casari P., De Barros S., “Fiber-matrix bond strength by pull-out tests on slag-based geopolymer with embedded glass and carbon fibers”, *Journal of Adhesion Science and Technology*, Vol. 35, Issue 18, **2021**, pp. 2035-2045. <https://doi.org/10.1080/01694243.2020.1870322>
- [ACL40] Deboucha W., Sebaibi N., El Mendili Y., Fabien A., Johnson Alengaram U., **Leklou N.**, Hamdadou M. N., Bourdot A., Gascoin S., “Reactivity Effect of Calcium Carbonate on the Formation of Carboaluminate Phases in Ground Granulated Blast Furnace Slag Blended Cements”, *Sustainability* **2021**, 13(11), 6504; <https://doi.org/10.3390/su13116504>
- [ACL39] Alves L., **Leklou N.**, De Souza F., De Barros S., “Assessment of the effect of fiber percentage in glass fiber reinforced slag-based geopolymer”, *Journal of Asian Ceramic Societies*, *Journal of Asian Ceramic Societies*. Vol. 9, No. 3, **2021**, pp. 1265-1274 <https://doi.org/10.1080/21870764.2021.1966977>
- [ACL38] Ranaivomanana H., **Leklou N.**, “Construction and Building Materials Investigation of microstructural and mechanical properties of partially hydrated Asbestos-Free Fiber Cement waste (AFFC) based concretes: experimental study and predictive modeling”, *Construction and Building Materials*. Vol. 277, **2021** <https://doi.org/10.1016/j.conbuildmat.2020.121943>
- [ACL37] Othmen I., Poullain P., **Leklou N.**, “Sensitivity analysis of the transient heat and moisture transfer in a single layer wall”, *European Journal of Environmental and Civil Engineering*, Vol. 24, Issue.13, **2020**, pp.2211-2229. DOI: 10.1080/19648189.2018.1500947
- [ACL36] Deboucha W., **Leklou N.**, Khelidj A., “Combination Effect of Limestone Filler and Slag on Hydration Reactions in Ternary Cements”, *European Journal of Environmental and Civil Engineering*, **2020**

<https://doi.org/10.1080/19648189.2020.1825233>

- [ACL35] Nahi S., **Leklou N.**, Khelidj A., Oudjit M.N., Zenati A., “Properties of cement pastes and mortars containing recycled green glass powder”, Construction and Building Materials, Vol. 262, **2020**, <https://doi.org/10.1016/j.conbuildmat.2020.120875>
- [ACL34] Yammine A., **Leklou N.**, Choinska M. Bignonnet F., Mechling J.M., “DEF damage in heat cured mortars made of recycled concrete sand aggregate”, Construction and Building Materials, Vol. 252, **2020**, <https://doi.org/10.1016/j.conbuildmat.2020.119059>
- [ACL33] Ayed K., Kerdal D.E., **Leklou N.**, “Durability of self-compacting concretes made with the natural pozzolan and siliceous fines”, Journal of Materials and Engineering Structures, Vol 7, N° 2, **2020**, pp. 227–240, e-ISSN: 2170-127X
- [ACL32] Elshami A., Bonnet S., Khelidj A., **Leklou N.**, Makhlof M., " Novel Green Plants Extract as Corrosion Inhibiting Coating for Steel Embedded in Concrete ", Pigment & Resin Technology: The international journal of colorants, polymers and colour applications, Vol. 49, Issue 6, pp. 501-514, **2020**. DOI: 10.1108/PRT-09-2019-0078
- [ACL31] Deboucha W., **Leklou N.**, Khelidj A., Plé O., Alengaram U. J., “Combination Effect of Limestone Filler and Slag on Delayed Ettringite Formation in Heat-Cured Mortar”, Journal of Materials in Civil Engineering, Vol. 32, Issue 3, **2020**. [https://doi.org/10.1061/\(ASCE\)MT.1943-5533.0003020](https://doi.org/10.1061/(ASCE)MT.1943-5533.0003020).
- [ACL30] Nguyen V-H., **Leklou N.**, Mounanga P., “The Development of Accelerated Test Method for Internal Sulfate Attack by Delayed Ettringite Formation”, Materials Science Forum, Vol. 987, **2020**, pp. 27–32. ISSN 1662-9752
- [ACL29] Niknezhad D., Bonnet S., **Leklou N.**, Amiri O., “Effect of thermal damage on mechanical behavior and transport properties of self-compacting concrete incorporating of polypropylene fibers”, Journal of Adhesion science and technology, Vol.33, N°23, **2019**, pp. 2535-2566. <https://doi.org/10.1080/01694243.2019.1650427>
- [ACL28] Ben Fraj A., Bonnet S., **Leklou N.**, Khelidj A., “Investigating the early-age diffusion of chloride ions in hardening slag-blended mortars on the light of their hydration progress”, Construction and Building Materials, Vol. 225, **2019**, pp. 485–495. DOI: 10.1016/j.conbuildmat.2019.07.185
- [ACL27] Poullain P., **Leklou N.**, Laibi A., Gomina M., “Propriétés des briques de terre compressées réalisées à partir de matériaux traditionnels du Bénin”, Revue des Composites et des Matériaux Avancés (RCMA), Vol. 29, No. 4, **2019**, pp.233-241. <https://doi.org/10.18280/rcma.290407>
- [ACL26] Meziani M, **Leklou N**, Amiri O, Chelouah N., “Physical and mechanical studies on binary blended Portland cements containing mordenite-rich tuff and limestone filler”, Matériaux & Techniques, Vol 107, No 3, **2019**. DOI: 10.1051/mattech/2019021
- [ACL25] Nguyen V-H., **Leklou N.**, Mounanga P., “The effect of metakaolin on internal sulphate attack of the heat-cured mortars”, Romanian Journal of Materials, Vol. 49, N°1, **2019**, pp. 51–57. ISSN 2457-502X, ISSN-L 1583-3186
- [ACL24] **Leklou N.**, Mounanga P., “New method for assessing endogenous microcracking in cementitious matrix in early age”, Romanian Journal of Materials, Vol. 49, N°1, **2019**, pp. 68-72. ISSN 2457-502X, ISSN-L 1583-3186
- [ACL23] Meziani M, Amiri O, **Leklou N**, Chelouah N., “Transport properties study of supplementary cementitious materials: case of tuff, limestone filler and granodiorite”, Journal of Adhesion Science and Technology, Vol 33, No 3, **2019**, pp. 286–300. DOI: 10.1080/01694243.2018.1537057
- [ACL22] Belguesmia K., Belas belaribi N., Amiri O., **Leklou N**, Belaribi O., “Influence of treated sediment substitution percentage on workability, strength and porosity of SCC”, Journal of Materials and Engineering Structures, Vol 5, N° 1, **2018**, pp. 47–55, e-ISSN: 2170-127X

- [ACL21] Deboucha W., **Leklou N.**, Khelidj A., “Blast Furnace Slag addition effects on Delayed Ettringite Formation in heat-cured mortars”, 2018, KSCE Journal of Civil Engineering, Vol. 22, No.9, **2018**, pp. 3484–3490. DOI 10.1007/s12205-017-0642-6
- [ACL20] Khelifa M-R., **Leklou N.**, Bellal T., Hebert R., Ledesert B., “Is alfa a vegetal fiber suitable for making green reinforced structure concrete ?”, European Journal of Environmental and Civil Engineering, Vol. 22, No.6, Mars **2018**, pp.686-706. DOI: 10.1080/19648189.2016.1217792
- [ACL19] Laibi A., Poullain P., **Leklou N.**, Gomina M., Sohounhloule D.K.C., “Influence of the length of Kenaf fibers on the mechanical and thermal properties of compressed earth blocks (CEB)”, 2018, KSCE Journal of Civil Engineering, Vol. 22, No.2, **2018**, pp. 785–793. DOI: 10.1007/s12205-017-1968-9
- [ACL18] Amine Y., **Leklou N.**, Amiri O., “Effects of Ternary Cements with Limestone Filler on DEF in Concrete”, American Concrete Institute (ACI/RILEM), Vol. 320, **2017**, pp. 20.1-20.14. ISBN: 9781945487774
- [ACL17] Deboucha W., **Leklou N.**, Khelidj A., Oudjit M.N., “Hydration development of mineral additives blended cement using thermogravimetric analysis (TGA): Methodology of calculating the degree of hydration”, Construction and Building Materials, Vol. 146, **2017**, pp. 687–701. DOI: 10.1016/j.conbuildmat.2017.04.132
- [ACL16] Jeong J., Ramezani H., **Leklou N.**, “Porous-micro-dilatation theory for random crystallization: Monte Carlo Simulation for Delayed Ettringite Formation”, Acta Mechanica, Vol.228, pp. 3223-3249, **2017**, DOI: 10.1007/s00707-017-1863-y.
- [ACL15] Bouaziz A., Hamzaoui R., Guessasma S., Lakhel R., Achoura D., **Leklou N.**, “Efficiency of high energy over conventional milling of granulated blast furnace slag powder to improve mechanical performance of slag cement paste”, Powder Technology, Vol. 308, **2017**, pp. 37–46. DOI: doi.org/10.1016/j.powtec.2016.12.014
- [ACL14] **Leklou N.**, Nguyen V-H., Mounanga P., “The effect of the partial cement substitution with fly ash on delayed ettringite formation in heat-cured mortars”, KSCE Journal of Civil Engineering, Vol. 21, No.4, **2017**, pp. 1359–1366. DOI: 10.1007/s12205-016-0778-9
- [ACL13] Jeong J., Ramezani H., **Leklou N.**, “Why does the modified Arrhenius’ law fail to describe the hydration modeling of recycled aggregate?”, Thermochemica Acta, Vol. 626, **2016**, pp. 13-30. DOI: 10.1016/j.tca.2016.01.001
- [ACL12] Hamzaoui R., Bouchenafa O., Guessasma S., **Leklou N.**, Bouaziz A., “ The sequel of modified fly ashes using high energy ball milling on mechanical performance of substituted past cement”, Materials & Design, Vol. 90, **2016**, pp. 29–37. DOI: 10.1016/j.matdes.2015.10.109
- [ACL11] Bouharoun S., **Leklou N.**, Mounanga P., “Use of Asbestos-Free Fiber-Cement waste as a partial substitute of Portland cement in mortar”, Materials and Structures, Vol. 48, **2015**, pp. 1679-1687. DOI: 10.1617/s11527-014-0264-0
- [ACL10] Jeong J., Ramezani H., **Leklou N.**, “Thermo-chemical heterogeneous hydration gradient modeling of concrete and aggregates size effect on ITZ”, Thermochemica Acta, Vol. 590, **2014**, pp. 165-180. DOI:10.1016/j.tca.2014.06.019
- [ACL9] Nguyen V-H., **Leklou N.**, Aubert J-E., Mounanga P., “The effect of natural pozzolan on delayed ettringite formation of the heat-cured mortars”, Construction and Building Materials, Vol. 48, **2013**, pp. 479-484. DOI:10.1016/j.conbuildmat.2013.07.016
- [ACL8] Jeong J., Ramezani H., **Leklou N.**, Mounanga P., “Chemo-physical modeling of cement mortar hydration: Role of aggregates”, Thermochemica Acta, Vol. 564, **2013**, pp. 70-82. DOI:10.1016/j.tca.2013.03.034
- [ACL7] Aubert J.E., Escadeillas G., **Leklou N.**, “Five year monitoring of curing solutions of heat-cured mortars affected by delayed ettringite formation”, Advances in Cement Research, Vol. 25, No.3, **2013**, pp.155-163. DOI:10.1680/adcr.11.00069

- [ACL6] **Leklou N.**, Aubert J.E., Escadeillas G., “Influence of various parameters on heat-induced internal sulphate attack”, European Journal of Environmental and Civil Engineering, Vol. 17, No.3, **2013**, pp.141-153. DOI:10.1080/19648189.2012.755338
- [ACL5] **Leklou N.**, Aubert J.E., Escadeillas G., “Effect of wetting-drying cycles on mortar samples affected by DEF”, European Journal of Environmental and Civil Engineering, Vol. 16, No.5, **2012**, pp.582-588. DOI:10.1080/19648189.2012.668017
- [ACL4] Hamzaoui R., Bennabi A., Guessasma S., Khelifa M.R., **Leklou N.**, "Optimal Carbon nanotubes concentration incorporated in mortar and concrete", Advanced Materials Research, Vol. 587, pp. 107-110, **2012**
- [ACL3] Aubert J.E. , Escadeillas G., **Leklou N.** , “Expansion of five-year-old mortars attributable to DEF: relevance of the laboratory studies on DEF?”, Construction and Building Materials, Vol. 23, Issue 12, 2009, pp. 3583-3585. DOI:10.1016/j.conbuildmat.2009.08.015
- [ACL2] **Leklou N.**, Aubert J.E., Escadeillas G., “Microscopic observations of samples affected by the delayed ettringite formation (DEF)”, Materials and Structures, Vol. 42, 2009, pp. 1369-1378. DOI:10.1617/s11527-008-9456-9
- [ACL1] Multon S., Cyr M., Sellier A., **Leklou N.**, Petit L., “Coupled effects of aggregate size and alkali content on ASR expansion”, Cement and Concrete Research, Vol. 38, 3, 2007, pp. 350-359. DOI:10.1016/j.cemconres.2007.09.013

B. Brevets : (3)

- **Brevets internationaux (BI)**

- BI2** Casari P., **Leklou N.**, Pouzaint Y., Rossetti D., « *Device for measuring endogenous deformations*», Patent Application Number: WO2017187090 A1, Publication Date: 02/11/2017.
- BI1** Furet B., Garnier S., Paquet E., Poullain P., **Leklou N.**, « *Method for constructing a building wall by additive manufacturing*», Patent Application Number: WO2017191404 A1, Publication Date: 09/11/2017.

- **Brevet nationale (BN)**

- BN1** Pommier R., Garbay G., Pedros M., **Leklou N.**, « *Procédé d'assemblage de bois deroule en forme de tube et produits issus du dit procédé*», Patent Application Number: FR3052379A1, Publication Date: 09/11/2017.

C. Chapitre d'ouvrage scientifique : (1)

- [CO1] **Leklou N.**, Mechling J.-M., Trauchessec R., Moulin I., Lenormand T., Lecomte A., Amiri O.,” Effect of Recycled Concrete Aggregates on the formation Ettringite and Thaumasite in concrete Recybéton”, Taylors & Francis Eds, 2017. (accepté, en cours de parution)

D. Articles dans des revues internationales à comité de lecture dans des numéros « special issues » (avec le processus de relecture classique de la revue) [ACL (SI)] : (10)

(Référéncées sur Web of Science et Scopus)

- [ACL(SI)10] Alves L., **Leklou N.**, De Barros S., “ A comparative study on the effect of different activating solutions and formulations on the early stage geopolymerization process”, MATEC Web of Conferences 322, 01039 (2020). DOI/10.1051/mateconf/202032201039
- [ACL(SI)9] Yammine A., Bignonnet F., **Leklou N.**, Choinska M., “Micromechanical modelling of damage induced by delayed ettringite formation in concrete”, MATEC Web of Conferences 322, 01037 (2020). DOI: /10.1051/mateconf/202032201037

- [ACL(SI)8] Deboucha W., **Leklou N.**, Khelidj A., “Hydration degree development of blast furnace slag blended cement pastes using thermogravimetric Analysis (TGA)”, MATEC Web of Conferences, Volume 163, 04001, **2018**, DOI: 10.1051/mateconf/201816304001
- [ACL(SI)7] Meziani M., Chelouah N., Amiri O., **Leklou N.**, “Blended cement hydration assessment by thermogravimetric analysis and isothermal calorimetry”, MATEC Web of Conferences, Volume 149, 01062, **2018**, DOI: 10.1051/mateconf/201714901062
- [ACL(SI)6] Deboucha W., **Leklou N.**, Khelidj A., Oudjit M.N., “Natural pozzolana addition effect on compressive strength and capillary water absorption of Mortar”, Energy Procedia, Volume 139, **2017**, Pages 689-695, DOI: 10.1016/j.egypro.2017.11.273
- [ACL(SI)5] Amine Y., **Leklou N.**, Amiri O., “Effect of supplementary cementitious materials (scm) on delayed ettringite formation in heat-cured concretes”, Energy Procedia, **2017**, Volume 139, 2017, Pages 565-570, DOI: 10.1016/j.egypro.2017.11.254
- [ACL(SI)4] Laibi B.A., Gomina M., Sagbo E., Agbahoungbata M., Poullain P., **Leklou N.**, Sohounhloule K.C.D. “Physicochemical and mechanical characterization of Benin’s Kenaf fibers and its effect on the building compressed Earth Blocks (CEB) mechanical properties”, Research Journal of Chemical Sciences, Vol. 7, N°2, pp 6-15, **2017**, ISSN 2231-606X
- [ACL(SI)3] Othmen I., Poullain PH., Caucheteux A., **Leklou N.**, 2014. “Sensitivity analysis of the künzel model: Application to the study of the hygrothermal transfer in a tuffeau wall ”, B. Sundén et al. (Eds.), WIT Transactions on Engineering Sciences, **2014**, ISBN 978-1-84564-794-0
- [ACL(SI)2] Othmen I., Poullain PH., **Leklou N.**, 2014. “Moisture transfert in three hemp concretes”, S.O. Ekolou et al. (Eds.), Construction Materials and Structures, **2014**, ISBN 978-1-61499-465-7
- [ACL(SI)1] Hamzaoui R., Bennabi A., Guessasma S., Khelifa M.R., **Leklou N.**, "Optimal Carbon nanotubes concentration incorporated in mortar and concrete", Advanced Materials Research, Vol. 587, pp. 107-110, **2012**

E. Communications dans des congrès internationaux à comité de lecture et actes publiés (revue ou ouvrage avec ISBN) [ACTI] : (18)

- [ACTI19] Alves L., **Leklou N.**, De Barros S., “ Assessment of the effect of fiber percentage in the glass fiber reinforced slag-based geopolymer”, 5th BCCM2021 – 5th Brazilian Conference in Composite Materials, Sao Paulo, Brazil, 18-28 January 2021.
- [ACTI18] Alves L., **Leklou N.**, De Barros S., “ A comparative study on the effect of different activating solutions and formulations on the early stage geopolymerization process”, MATBUD’2020 – Scientific -Technical Conference: E-mobility, Sustainable Materials and Technologies, Cracow, Poland, 19-21 October 2020.
- [ACTI17] Yammine A., Bignonnet F., **Leklou N.**, Choinska M., “Micromechanical modelling of damage induced by delayed ettringite formation in concrete”, MATBUD’2020 – Scientific -Technical Conference: E-mobility, Sustainable Materials and Technologies, Cracow, Poland, 19-21 October 2020.
- [ACTI16] Yammine A., Bignonnet F., **Leklou N.**, Choinska M., “Micromechanical modelling of damage induced by delayed ettringite formation”, FraMCoS-X : Fracture Mechanics of Concrete and Concrete Structures, 24-26 Juin 2019 Bayonne (France)
- [ACTI15] Nguyen V-H, **Leklou N.**, Mounanga P., “The development of accelerated test method for Internal Sulfate Attack by delayed ettringite formation”, 3rd International Symposium on Advanced Material Research (3rd ISAMR 2019), Danang, Vietnam, June 21th-23th, 2019

- [ACTI14] Kingston J., Ventura A., Lair C., Nagy E., **Leklou N.**, “Iterative IT based serious game development in the field of sustainable buildings”, 10th International Conference on Industrial Ecology (ISIE2019), Beijing, China, July 7-11, 2019
- [ACTI13] **Leklou N.**, « Influence des sulfates présents dans les sables de béton recyclé sur la formation d’ettringite différée et secondaire », conférence internationale (SIGC 2018) à l’ENP d’Oran Maurice Audin (ALGERIE) le 27-28 novembre 2018. **Conférence plénière**
- [ACTI12] Deboucha W., **Leklou N.**, Khelidj A., “Hydration degree development of blast furnace slag blended cement pastes using thermogravimetric Analysis (TGA)”, MATBUD’2018 – 8th Scientific-Technical Conference on Material Problems in Civil Engineering, Cracow, Poland, June 25-27, 2018.
- [ACTI11] Meziani M., Chelouah N., Amiri O., **Leklou N.**, “Blended cement hydration assessment by thermogravimetric analysis and isothermal calorimetry”, 2nd International Congress on Materials & Structural Stability (CMSS2017), Rabat, Morocco, 22-25 November 2017.
- [ACTI10] Amine Y., **Leklou N.**, Amiri O., “Effects of Ternary Cements with Limestone Filler on DEF in Concrete”, 10th ACI/RILEM International conference on cementitious materials and alternative binders for sustainable concrete, Montréal, Canada, 02-04 October 2017
- [ACTI9] Deboucha W., **Leklou N.**, Khelidj A., Oudjit M.N., “Natural pozzolana addition effect on compressive strength and capillary water absorption of Mortar”, International Conference On Materials and Energy ICOME’16, La Rochelle, France, 17-20 May 2016
- [ACTI8] Amine Y., **Leklou N.**, Amiri O., “Effect of supplementary cementitious materials (SCM) on delayed ettringite formation in heat-cured concretes”, International Conference On Materials and Energy ICOME’16, La Rochelle, France, 17-20 May 2016
- [ACTI7] Othmen I., Poullain PH., **Leklou N.**, 2014. “Capillary action in three hemp concretes”. Presented at the International Conference on Construction Materials and Structures (ICCMATS 2014), Johannesburg (SOUTH AFRICA), 24 - 26 November 2014.
- [ACTI6] Othmen I., Poullain PH., Caucheteux A., **Leklou N.**, “Sensitivity analysis of the Künzel model: application to the study of the hygrothermal transfer in a tuffeau wall”, 13th International Conference on Simulation and Experiments in Heat Transfer and its Applications (Heat Transfer 2014), A Coruña (SPAIN), 2 - 4 July, 2014.
- [ACTI5] Nguyen V-H., **Leklou N.**, Mounanga P., Bonnet S., "The effect of natural pozzolan on accelerated Delayed Ettringite Formation: Mechanical and microstructural investigations", International Conference on Advances in Cement and Concrete Technology in Africa (ACCTA 2013), Johannesburg (SOUTH AFRICA), 28 - 30 January 2013.
- [ACTI4] Hamzaoui R., Bennabi A., Guessasma S., Khelifa M.R., **Leklou N.**, "Optimal Carbon NanoTubes concentration incorporated in mortar and concrete", ICCEM 2012, International Conference on Civil Engineering and Materials, Paris (FRANCE), July 7-8, 2012.
- [ACTI3] Zhang Y., Abraham O., Mounanga P., **Leklou N.**, Tournat V., Le duff A., Lascoup B., Durand O., "Coda Wave Interferometry (CWI) for monitoring early-age cementitious mortar", ACOUSTICS 2012, Nantes (FRANCE), 23-27 April 2012.
- [ACTI2] **Leklou N.**, Aubert J.E., Escadeillas G., “Effect of wetting-drying cycles of mortars samples affected by DEF”, MEDACHS10, La Rochelle (FRANCE), 28-30 April 2010.
- [ACTI1] **Leklou N.**, Aubert J.E., Escadeillas G., “Study of heat-induced internal sulfate attack”, The 1st International conference on Sustainable Built Environment Infrastructures in Developing Countries, 12th to 14th October 2009, Oran (ALGERIE), Vol.3, 345 p.

F. Communications dans des congrès nationaux à comité de lecture et actes publiés (revue ou ouvrage avec ISBN ou documents disponibles en ligne) [ACTN] : (20)

- [ACTN20] Alves L., **Leklou N.**, Casari P., De Barros S., “Adhesion of glass and carbon fibers embedded in geopolymer mortar”, 20e Journées d’Etude sur l’Adhésion (ADH 2019), 2 au 6 décembre 2019–Annecy (France).
- [ACTN19] **Leklou N.**, Poullain P., Laibi A., Gomina M., “ Influence des fibres de KénaF sur les propriétés de BTC”, EcoMat2018 - Université de Nantes, Site de Gavy, France, 10-12 Octobre 2018
- [ACTN18] Belguesmia K., Belas Belaribi N., Amiri O., **Leklou N.**, “ Etude de l’ouvrabilité et des propriétés mécaniques des BAP à base de sédiment traité ”, 35^{èmes} Rencontres de l’AUGC, Université de Nantes/ECN, Nantes (France), 21 au 24 mai 2017.
- [ACTN17] Deboucha W., **Leklou N.**, Khelidj A., Pertue A., Oudjit M.N., “ L’effet du laitier de haut fourneau sur la porosité du mortier”, 35^{èmes} Rencontres de l’AUGC, Université de Nantes/ ECN, Nantes (France), 21 au 24 mai 2017.
- [ACTN16] Jeong J., Vareille J., Ramézani H., **Leklou N.**, Schmidt F., “ Lean modeling proposal for recycling concrete application in civil engineering constructions”, 5^{ème} édition du Congrès [avniR], Université Catholique de Lille, France, 8 et 9 novembre 2016.
- [ACTN15] Mechling J.-M., **Leklou N.**, Trauchessec R., Dieye A., Lecomte A., Moulin I. “Sables de beton recycle et reaction sulfatique interne : etude sur mortiers”, 17^e édition des Journées scientifiques du Regroupement francophone pour la recherche et la formation sur le béton (RF)²B, IFSTTAR, Marne-la-Vallée, France, 7 et 8 juillet 2016.
- [ACTN14] Jeong J., Wanga L., Schmidt F., **Leklou L.**, Ramézani H., “Random materials modeling: Statistical approach proposal for recycling materials”, 22^{ème} Congrès Français de Mécanique (CFM2015), Lyon (France), 24 au 28 Août 2015.
- [ACTN13] Amine Y., **Leklou N.**, Amiri O., Cherif R., “Etude de l’influence des additions minérales sur la réaction sulfatique interne dans les matériaux cimentaires”, 33^{èmes} Rencontres de l’AUGC, ISABTP/UPPA, Anglet (France), 27 au 29 mai 2015.
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