**CURRICULUM VITAE**

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| **Informations générales** |  |  |
| Nom et prénom |  | **Khemakhem Hamadi** |
| City |  | Sfax |
| Grade |  | Professeur |
| Spécialité |  | Physique |
| Etablissement |  | Faculté des Sciences de Sfax |
| Ministère |  | Enseignement Supérieur et de la Recherche |
| Fonction administrative actuelle |  | Doyen de la Faculté des Sciences de Sfax |
| Fonction scientifique actuelle |  | Directeur du Laboratoire des Matériaux Multifonctionnels et Applications |
| Adresse |  | Faculté des Sciences de Sfax, BP. 1171, 3000, Sfax, Tunisie |
| Téléphone(s) |  | +21674274390 |
| E-Mail |  | Hamadi.khemakhem@fss.usf.tn |
| Maîtrises linguistiques |  | Arabe, Excellent  Français, Excellent  Anglais, Bon |
| **TITRE ET Cursus Universitaires** |  | **[NOM DE L’ORGANISME][Dates De – À]**  Faculté des Sciences de Sfax, de 2005-Jusquà présent, Professeur  Faculté des Sciences de Sfax, de 2000- 2005, Habilitation Universitaire, Maitre de Conférences  Faculté des Sciences de Sfax, de 1997- 2000, Thèse, Maitre Assistant  Faculté des Sciences de Sfax, de 1996- 1997, Assistant |
| **responsabilites administratives** |  | **Fonction, Organisme, Période:**  Vice Doyen, Faculté des Sciences de Sfax, 2002-2008  Vice Doyen, Faculté des Sciences de Sfax, 2014-2017  Doyen, Faculté des Sciences de Sfax, 2018-2021 |
| **Activités Pedagogiques** |  | Enseignement : Sections et disciplines  Electrostatique et Magnétostatique : MI1, PC1, LFPC1 et LFP1 ; Discipline Physique  Mécanique : PC1, LFPC1, LFP1; Discipline Physique  Optique : LFP1; Discipline Physique  Thermodynamique : LFP1; Discipline Physique  Electromagnétisme : MI2, PC2, LFPC2; Discipline Physique  Propriété de la Matière : LFP3; Discipline Physique  Physique des Diélectrique : Master 1 Physique des Matériaux; Discipline Physique  Transition des phases : Master 2 Physique des Matériaux; Discipline Physique |
|  |  |
| **Activités de Recherche** |  | Publications impactées, Publications indexées, Publications nationales, Ouvrages édités, Chapitre d'ouvrage, Edition nationale, Edition Internationale :  Responsabilités scientifiques, H-index (Scopus), documents publiés, nombre de citations :  Membre du Conseil scientifique de 2002 Jusqu’à présent  Président de la commission PAQ de 2005 – 2008 et de 2018 jusqu’à présent  Président des commissions de thèses de 2002 à 2008  Coordinateur du mastère de physique des Matériaux de 2011 à 2014  Directeur du Laboratoire des Matériaux Multifonctionnels et Applications (LaMMA) de 2016 – jusqu’à présent  H-index (Scopus) = **24**  Nombre de publications = **181**  Nombre de Citation = **1813** |
| **Rayonnement** |

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| **RECHERCHE -DEVELOPPEMEnT ET PARTENARIAT avec l’Industrie** | | Ouverture sur le milieu socio-économique, projets Recherche -Développement, Transfert technologique, Valorisation de la recherche, **Brevets**, **Prototypes**, **Obtentions végétales**, veille scientifique, Réseau de recherche et innovation, PRF, coopération régionale avec les entreprises :  -En tant que Doyen, j’ai présidé les journées portes ouvertes de la Faculté des Sciences de Sfax. Nous avons effectué plusieurs réunions de travail entre universitaires de la faculté et industriels pour voir les possibilités de coopérations et de valorisation des travaux de recherche.  -Je suis membre du réseau méditerranéen de recherche sur les matériaux pour l’Electronique MeM.  -Je suis Membre du bureau de la Conférence Internationale des Responsables des Universités et Institutions à dominante Scientifique et technique d’Expression Française (**CIRUISEF**) |
| **PROJETS DE RECHERCHE REALISES** | | Projets Nationaux, Projets Bilatéraux et Projets Internationaux réalisés ou en cours (liste en annexes) :  **-CMCU, code : 08G1125 (2008-2011)** avec Monsieur Mario MAGLIONE, directeur de recherche à l’Institut de Chimie de la Matière Condensée de Bordeaux (I.C.M.C.B.), France.  ***Titre du projet* :**« Nouveaux matériaux piézoélectriques sans plomb pour couches épaisses ».  **-CMPTM** **, code : 08/TM 94** (**2008-2010)** avec Monsieur Daoud MEZZANE directeur du Laboratoire de la Matière Condensée et Nano structures (LMCN) de la Faculté des Science et Techniques de Marrakech, Maroc.  ***Titre du projet*:**«Une nouvelle famille de Matériaux avancés pour la Nanotechnologie et la Microélectronique ».  **-PHC-MAGHREB(2012-2014)** avec Monsieur Mimoun EL MARSSI directeur du Laboratoire de Physique de la Matière Condensée, Université de Picardie Jules Verne Amiens, France, avec Monsieur Daoud MEZZANE directeur du laboratoire de la Matière Condensée et Nano structures (LMCN) de la Faculté des Science et Techniques de Marrakech, Maroc et avec Monsieur Abdelrahmen KADRI directeur du Laboratoire d'Etudes des Matériaux Optoélectroniques et Polymères (LEMOP), université d’Oran, Algérie.  ***Titre du projet*** « Etude des effets électro-calorique et pyroélectrique dans les matériaux ferroélectriques et relaxeurs pour la récupération d’énergie et la réfrigération des composants électroniques ». |
| **activites d’interet collectif** | |  |
| ORGANISATION DE MANIFSTATIONS SCIENTIFIQUES | | 1) International Meetings on Materials for Electronic Applications (IMMEA 2007) à Marrakech,  2) International Meetings on Materials for Electronic Applications (IMMEA 2009) à Hammamet,  3) International Meetings on Materials for Electronic Applications (IMMEA 2011) à Marrakech,  4) International Meetings on Materials for Electronic Applications (IMMEA 2013) à Sousse,  5) International Meetings on Materials for Electronic Applications (IMMEA 2015) à Marrakech  6) Première école de Raman Franco-maghrébine de Spectroscopie Raman Sousse 2012  7) Première école de Raman Franco-maghrébine de Spectroscopie Raman Sousse 2014  8)Deuxième colloque “Nanomatériaux : Microstructure et Propriétés” TRAMP-2017, "NANOMATÉRIAUX : MICROSTRUCTURE ET PROPRIÉTÉS" Hammamet, 22 - 24 Mars 2017.  9) Quatrième Journées Franco-Maghrébines sur la Spectroscopie Vibrationnelle Infrarouge et Raman (JFMSV-2018) Hammamet, 19-21 Novembre 2018.  10) Formation des doyens francophones experts des évaluations en Sciences et Technologies, du 8 au 12 avril 2019, Hammamet-Tunisie |
| EXPERTISES ET CONSEILS | | Domaine d’expertise : 4 mots clés (Joindre liste en annexe) |
| COMITES SCIENTIFQUES | | Joindre liste en annexe |
| ASSOCIATIONS SCIENTIFIQUES | | Joindre liste en annexe |
| Autres Activités | | Joindre liste en annexe |
| **distinctions** |  | Cliquez ici pour entrer du texte. | |
| Prix | Cliquez ici pour entrer du texte. | |
| Membre académique (commission nationale et/ou internationale) | Cliquez ici pour entrer du texte. | |
| autres distinctions | Cliquez ici pour entrer du texte. | |
| **Collaborations** |  | * Laboratoire de Physique appliquée de la Faculté des Science de Sfax, Tunisie. * Laboratoire de sciences des matériaux et de l’environnement (MESLab), Sfax, Tunisie * Laboratoire de l'état solide, Faculté des Sciences de Sfax, Tunisie. * Laboratoire de la Matière Condensée et Nano structures (LMCN) de la Faculté des Science et Techniques de Marrakech, Maroc. * Institut de Chimie de la Matière Condensée de Bordeaux (I.C.M.C.B.), France. * Laboratoire SPMS, UMR 8580 CNRS, Ecole Centrale Paris, France. * Laboratoire de Physique de la Matière Condensée, Université de Picardie Jules Verne Amiens, France. * Institut des matériaux et de la technologie de la surface, l'Université des sciences appliquées de Kiel, Allemagne. * Laboratoire d’Etudes des Matériaux et des Composants pour l’Electronique (LEMCEL), Calais, France. * Laboratoire d'Etudes des Matériaux Optoélectroniques et Polymères (LEMOP) , université d’Oran, Algérie. * Laboratoire Charles Coulomb de l’Université de Montpellier. * Université Badji Mokhtar, de Annaba, Algérie. * Université de Chemnitz, Germany. | |

ANNEXES [Lister toutes les annexes]

Statistics

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| *RG Score* | 40.25 |
| *Publications* | 191 |
| *Reads* | 16,686 |
| *Citations*  *h-index* | 1813  24 |

Skills & Activities

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| --- | --- |
| *Skills* | Ceramics, Materials, Advanced Ceramics, Materials Characterization, Nanomaterials, Solid State Physics, Material Characterization, Perovskites, Inorganic Chemistry, Materials Chemistry, Solid-State Chemistry, Ceramic & Composite, Materials Research, Ferroelectrics, X-ray Diffraction, Materials Processing, Piezoelectricity, Crystal, Single Crystal, Sintering |
| *Languages* | Arabic, Arabic, English, French, French |
| *Scientific Memberships* | Laboratory of Ferroelectric Materials, University of Sfax |
| *Interests* |  |

Articles impactés et indexes

1. Maria Khacheba, Noura Abdessalem, Ahmed Hamdi, Hamadi Khemakhem: *Effect of acceptor and donor dopants (Na, Y) on the microstructure and dielectric characteristics of high Curie point PZT-modified ceramics*. Journal of Materials Science Materials in Electronics 11/2019;, DOI:10.1007/s10854-019-02535-y
2. Wahiba Chatta, Brahim Lagoun, Hamza Lidjici, Abdelhakim Chadli, Abderrahmane Cheriet, Hichem Farh, Hamadi Khemakhem, Khenchoul Salah: *TB-mBJ Calculations of Structural and Optoelectronic Properties of the Rhombohedral Phase of Bismuth Sodium Titanate (Bi0.5 Na0.5)TiO3*. Solid State Phenomena 09/2019; 297:165-172., DOI:10.4028/www.scientific.net/SSP.297.165
3. S. Zeroual, H. Lidjici, W. Chatta, H. Khemakhem: *Dielectric and Raman spectroscopy studies of (Na0.5Bi0.5)TiO3 lead-free ceramic*. Cerâmica 06/2019; 65(374):222-226., DOI:10.1590/0366-69132019653742627

4- Olfa Turki, Ahmed Slimani, Laurence Seveyrat, Zina Sassi, Hamadi Khemakhem, Laurent Lebrun: *Enhancement of dielectric, piezoelectric, ferroelectric, and electrocaloric properties in slightly doped (Na 0.5 Bi 0.5 ) 0.94 Ba 0.06 TiO 3 ceramic by samarium*. Journal of Applied Physics 05/2019; 125(17):174103., DOI:10.1063/1.5083670

5- A. Amouri, M.A. Wederni, N. Abdelmoula, H. Khemakhem: *Enhanced multiferroïc properties in Bi(1-x)Y2x/3[Ti0.95(Yb0.5Nb0.5)0.05]xFe(1-x)O3 ceramics*. Journal of Alloys and Compounds 04/2019; 794., DOI:10.1016/j.jallcom.2019.04.286

6- N. K. Maaloul, Kraini Mabrouk, K. Khirouni, H. Khemakhem: *Effect of Seed Layer and Thermal Annealing on Structural and Optical Properties of Silicon Layers Deposited by PECVD*. Journal of Electronic Materials 03/2019; 48(6)., DOI:10.1007/s11664-019-07143-4

7- Mohamed Hassen Khedhri, Najmeddine Abdelmoula, Hamadi Khemakhem, Redouane Douali, Frederic Dubois: *Structural, spectroscopic and dielectric properties of Ca-doped BaTiO3*. Applied Physics A 02/2019; 125(3)., DOI:10.1007/s00339-019-2487-y

8- Dharmendra Pratap Singh, Benoit Duponchel, Yaochen Lin, Jean-François Blach, Hamadi khemakhem, Christian Legrand, Redouane Douali: *Orientation of 4-n-octyl-4’-cyanobiphenyl molecules on graphene oxide surface via electron-phonon interaction and its application in nonlinear electronics*. Journal of Materials Chemistry C 01/2019; 7(9)., DOI:10.1039/C8TC05696J

9- N. El Arbi, R. Jemai, K. Khirouni, H. Khemakhem: *The Variation of Crystalline Structure Induced by Gas Dilution and Thermal Annealing in Silicon Layers Deposited by PECVD Technique*. Silicon 12/2018;, DOI:10.1007/s12633-018-0025-8

10- F. Lawar, J. Belhadi, B. Asbani, B. Manoun, H. Kaddoussi, M. Courty, C. Boudaya, M. El Marssi, H. Khemakhem, A. Lahmar: *Structural investigation, dielectric, ferroelectric, and elecrocaloric properties of lead-free Ba(1−x)CaxTi(1−x)(Li1/3Nb2/3)xO3−δ (x = 0.02 and x = 0.07) ceramics*. Journal of Materials Science Materials in Electronics 09/2018; 29(2)., DOI:10.1007/s10854-018-9983-2

12- Hamdi Bouzidi, Hanèn Chaker, Mohamed Es-souni, Chiheb Chaker, Hamadi Khemakhem: *Structural, Raman, ferroelectric and magnetic studies of the (1-x)BF-xBCT multiferroic system*. Journal of Alloys and Compounds 09/2018; 772., DOI:10.1016/j.jallcom.2018.09.105

13- F. Mizouri, N. Abdelmoula, D. Mezzane, H. Khemakhem: *Impedance spectroscopy and conduction mechanism of multiferroic Bi 0.8 (Ba 0.9 Ca 0.1 ) 0.8 Fe 0.8 (Ti 0.9 Sn 0.1 ) 0.8 O 3*. Journal of Alloys and Compounds 06/2018; 763., DOI:10.1016/j.jallcom.2018.05.353

14- S. Koubaa, D. Linda, H. Khemakhem, A. Kabadou: *Crystal structure, phase transitions and dielectric properties of a new layered bimetallic hydrogenselenite: [CuZnCl 2 (H 2 O) 4 ]·(HSeO 3 ) 2*. Journal of Alloys and Compounds 04/2018; 740., DOI:10.1016/j.jallcom.2017.12.376

15- M. Zannen, J. Belhadi, M. Benyoussef, H. Khemakhem, K. Zaidat, M. El Marssi, A. Lahmar: *Electrostatic energy storage in antiferroelectric like perovskite*. Superlattices and Microstructures 03/2018; 127., DOI:10.1016/j.spmi.2018.03.041

16- F. Chaibi, R. Jemai, H. Aguas, H. Khemakhem, K. Khirouni: *The effects of argon and helium dilution in the growth of nc-Si:H thin films by plasma-enhanced chemical vapor deposition*. Journal of Materials Science 03/2018; 53(18–19)., DOI:10.1007/s10853-017-1791-1

17- I. Zouari, Z. Sassi, Laurence Seveyrat, N. Abdelmoula, L. Lebrun, H. Khemakhem: *Structural, dielectric, piezoelectric, ferroelectric and electro-caloric properties of Ba1−xCaxTi0.975(Nb0.5Yb0.5)0.025O3 lead-free ceramics*.

18- Houda Zaghouene, Issa Kriaa, Hamadi Khemakhem: *Ferroelectric and electrocaloric effect in lead-free (Ba1−xCax)1−3y/2BiyTiO3 ceramics*. Materials Science and Engineering B 01/2018; 227:110-115., DOI:10.1016/j.mseb.2017.10.014

19- A. Amouri, S. Aydi, N. Abdelmoula, H. Dammak, H. Khemakhem: *Evidence of magnetoelectric coupling in 0.9BiFeO 3 -0.1Ba[Ti 0.95 (Yb 0.5 Nb 0.5 ) 0.05 ]O 3 ceramic*. Journal of Alloys and Compounds 12/2017; 739., DOI:10.1016/j.jallcom.2017.12.101

20- A. Hamza, F. Benabdallah, I. Kallel, L. Seveyrat, L. Lebrun, H. Khemakhem: *Effect of rare-earth substitution on the electrical properties and Raman spectroscopy of BCTZ ceramics*. Journal of Alloys and Compounds 12/2017; 735., DOI:10.1016/j.jallcom.2017.11.351

21- F. Mizouri, I. Kallel, N. Abdelmoula, D. Mezzane, H. Khemakhem: *Structural dielectric and magnetic properties of (1-x)BiFeO 3 -xBa 0.9 Ca 0.1 Ti 0.9 Sn 0.1 O 3 ceramics*. Journal of Alloys and Compounds 10/2017; 731., DOI:10.1016/j.jallcom.2017.10.066

22- C. Chalfouh, A. Lahmar, N. Abdelmoula, H. Khemakhem: *Structural and dielectrics properties of Pr 3+ doped BaTi 0.925 (Yb 0.5 Nb 0.5 ) 0.075 O 3 ceramics*. Journal of Alloys and Compounds 09/2017; 729., DOI:10.1016/j.jallcom.2017.09.208

23- I. Ghamgui, A. Aydi, Z. Sassi, L. Seveyrat, V. Perrin, A. Maalej, L. Lebrun, H. Khemakhem: *Structural, dielectric and impedance spectroscopy studies of (Na0.5Bi0.5)(Zr0.025Ti0.975)O3 ceramic*. Journal of Materials Science Materials in Electronics 08/2017; 28(23)., DOI:10.1007/s10854-017-7682-z

24- M. Ben Abdessalem, S. Aydi, A. Aydi, N. Abdelmoula, Z. Sassi, H. Khemakhem: *Polymorphic phase transition and morphotropic phase boundary in Ba1−x Ca x Ti1−y Zr y O3 ceramics*. Applied Physics A 08/2017; 123(9)., DOI:10.1007/s00339-017-1196-7

25- I. Zouari, Z. Abdelkafi, L. Seveyrat, Z. Sassi, V. Perrin, N. Abdelmoula, L. Lebrun, H. Khemakhem: *Improved piezoelectric and electro-caloric effects in the BaTi 0.975 (Nb 0.5 Yb 0.5 ) 0.025 O 3 lead-free ceramic characterized by phase-coexistence at room temperature*. Materials Chemistry and Physics 07/2017; 200., DOI:10.1016/j.matchemphys.2017.07.075

26- Ahmed Slimani, Hamadi Khemakhem, Kamel Boukheddaden: *Structural synergy in a core-shell spin crossover nanoparticle investigated by an electroelastic model*. 05/2017; 95(17)., DOI:10.1103/PhysRevB.95.174104

27- Imen Djemel, Issa Kriaa, Najmeddine Abdelmoula, Hamadi Khemakhem: *The effect of low Sn doping on the dielectric and electrocaloric properties of ferroelectric ceramics Ba 0.95 Sr 0.05 Ti 0.95 Zr 0.05 O 3*. Journal of Alloys and Compounds 05/2017; 720., DOI:10.1016/j.jallcom.2017.05.284

28- H. Kaddoussi, A. Lahmar, Y. Gagou, B. Manoun, J.N. Chotard, J.-L. Dellis, Z. Kutnjak, H. Khemakhem, B. Elouadi, M. El Marssi: *Sequence of structural transitions and electrocaloric properties in (Ba1-xCax)(Zr0.1Ti0.9)O3 ceramics*. Journal of Alloys and Compounds 04/2017; 713., DOI:10.1016/j.jallcom.2017.04.148

29- L. Ben Abdessalem, S. Aydi, A. Aydi, Z. Sassi, A. Maalej, H. Khemakhem: *X-ray diffraction, dielectric, and Raman spectroscopy studies of BaSrTiO3–NaNbO3 ceramic*. Applied Physics A 04/2017; 123(5)., DOI:10.1007/s00339-017-0920-7

30- C. Chalfouh, A. Lahmar, S. Zghal, R. Hannachi, N. Abdelmoula, H. Khemakhem: *Effects of lanthanide amphoteric incorporation on structural, electrical, and photoluminescence properties of BaTi0.925(Yb0.5Nb0.5)0.075O3 ceramic*. Journal of Alloys and Compounds 04/2017; 711., DOI:10.1016/j.jallcom.2017.03.351

31- Sonia Chihaoui, Hanèn Chaker, Chiheb Chaker, Hamadi Khemakhem: *X-ray diffraction, dielectric and Raman studies of the Ba 1-x Na x Ti 1-x (Nb 1-y Sb y ) x O 3 ceramics*. Ceramics International 04/2017; 43(12)., DOI:10.1016/j.ceramint.2017.04.032

32- A. Amouri, H. Abdelkefi, N. Abdelmoula, H. Khemakhem: *Phase transition behavior and ferroelectric and vibrational properties of (Na0.5Bi0.5)1−x Ba x Ti1−x (Fe0.5Nb0.5) x O3 ceramics*. Journal of Materials Science 04/2017; 52(7)., DOI:10.1007/s10853-016-0649-2

33- I. Zouari, Z. Sassi, L. Seveyrat, V. Perrin, S. Zghal, N. Abdelmoula, L. Lebrun, H. Khemakhem: *Effects of Er3+ and Pr3+ Substitution on Structural, Dielectric, Ferroelectric and Photoluminescence Properties of the BaTi0.9Zr0.1O3 Ceramic*. Journal of Electronic Materials 03/2017; 46(7):1-8., DOI:10.1007/s11664-017-5451-7

34- M. Zannen, A. Lahmar, Z. Kutnjak, J. Belhadi, H. Khemakhem, M. El Marssi: *Electrocaloric effect and energy storage in lead free Gd 0.02 Na 0.5 Bi 0.48 TiO 3 ceramic*.

35- M Zannen, A Lahmar, Z Kutnjak, J Belhadi, H Khemakhem, M El Marssi: *Electrocaloric effect and energy storage in lead free Gd 0.02 Na 0.48 Bi 0.5 TiO 3 ceramic*. Solid State Sciences 02/2017;

36- Issa Kriaa, Ahmed Maalej, Hamadi Khemakhem: *Electrocaloric Study Effect in the Relaxor Ferroelectric Ceramic 0.9(0.75PMN-0.25PT)-0.1PS*. Journal of Electronic Materials 02/2017; 46(4)., DOI:10.1007/s11664-017-5336-9

37- G. Khasskhoussi, Z. Abdelkafi, H. Khelifi, N. Abdelmoula, D. Mezzane, H. Khemakhem: *Improved dielectric and ferromagnetic properties of Fe-site substituted rhombohedral structured BiFeO3 ceramic*. Journal of Alloys and Compounds 01/2017; 701., DOI:10.1016/j.jallcom.2017.01.120

38- A Lahmar, J Belhadi, M El Marssi, M Zannen, H Khemakhem, N Al-Dahoudi: *Energy storage property of Lead-free Na 0.5 Bi 0.5 TiO 3 ceramic and thin film*.

39- H. Lidjici, B. Lagoun, H. Khemakhem: *Dielectric and Raman Studies of 0.935(Bi 0.5 Na 0.5 TiO 3 )-0.065BaTiO 3 Lead Free Ceramics*. Acta Physica Polonica Series a 12/2016; 130(6):1431-1434., DOI:10.12693/APhysPolA.130.1431

40- Souad Chkoundali, Faouzi Hlel, Hamadi Khemekhem: *Synthesis, crystal structure, thermal and dielectric properties of tetrapropylammonium tetrabromozincate [N(C3H7)4]2[ZnBr4] compound*. Applied Physics A 12/2016; 122(12)., DOI:10.1007/s00339-016-0596-4

41- S. Chihaoui, L. Seveyrat, V. Perrin, I. Kallel, L. Lebrun, H. Khemakhem: *Structural evolution and electrical characteristics of Sn-doped Ba0.8Sr0.2TiO3 ceramics*. Ceramics International 09/2016; 43(1)., DOI:10.1016/j.ceramint.2016.09.176

42- Dhifallah Nabil, Bernard Hehlen, Mimoun El Marssi, Dammak Mohamed, Hamadi Khemakhem: *Soft-mode spectroscopy in cubic (Ba0.8Sr0.2)Ti0.95(Zn1/3Nb2/3)0.05O3 by Hyper-Raman scattering and the mechanism of the phase transition*. Solid State Communications 09/2016; 248., DOI:10.1016/j.ssc.2016.09.016

43- Z. Abdelkafi, N. Abdelmoula, H. Khemakhem: *Temperature Evolution of Physical Properties of BaTi0.9(Nb0.5Yb0.5)0.1O3 Lead-Free Ceramic*. Journal of Electronic Materials 08/2016; 45(11)., DOI:10.1007/s11664-016-4845-2

44- O. Turki, A. Slimani, L. Seveyrat, G. Sebald, V. Perrin, Z. Sassi, H. Khemakhem, L. Lebrun: *Structural, dielectric, ferroelectric, and electrocaloric properties of 2% Gd2O3 doping (Na0.5Bi0.5)0.94Ba0.06TiO3 ceramics*. Journal of Applied Physics 08/2016; 120(054102)., DOI:10.1063/1.4960141

45- Moneim Zannen, Abdelilah Lahmar, Hamadi Khemakhem, Mimoun El Marssi: *Energy storage property in lead free Gd doped Na 1/2 Bi 1/2 TiO 3 ceramics*. Solid State Communications 07/2016; 245., DOI:10.1016/j.ssc.2016.07.010

46- N. Dhifallah, B. Hehlen, M. Dammak, H. Khemakhem: *Phase formation and dielectric study of Bi doped (Ba0.8Sr0.2)Ti0.95(Zn1/3Nb2/3)0.05O3 ceramic*. Materials Chemistry and Physics 06/2016; 181., DOI:10.1016/j.matchemphys.2016.06.047

47- C. Chalfouh, S. Zaghal, A. Lahmar, Z. Sassi, N. Abdelmoula, H. Khemakhem: *Effect of Pr3+ doping on structural, electrical, and optical properties of BaTi0.925(Yb0.5Nb0.5)0.075O3 ceramics*. Journal of Alloys and Compounds 06/2016; 686., DOI:10.1016/j.jallcom.2016.06.035

48- A. Amouri, N. Abdelmoula, H. Khemakhem: *Improved multiferroic properties in (1-x)BiFeO3-xBaTi0.95(Yb0.5Nb0.5)0.05O3 system (0 ≤ x ≤ 0.3)*. Journal of Magnetism and Magnetic Materials 05/2016; 417., DOI:10.1016/j.jmmm.2016.05.088

49- Zayani Jaafar Othman, Sarra Ayed, Adel Matoussi, Hamadi Khemakhem: *Optical and Raman studies of Zn1-xMgxO ceramic pellets*. Vibrational Spectroscopy 05/2016; 85., DOI:10.1016/j.vibspec.2016.05.001

50- Hamza. Lidjici, Brahim Marfoua, Brahim Laghoun, Mohamed Rguitti, Hamadi Khemakhem: *Dielectric properties and relaxor behavior of 0.935(Na0.5Bi0.5)TiO3−0.065BaTiO3 lead free piezoelectric ceramic*. Ceramics International 05/2016; 42(11)., DOI:10.1016/j.ceramint.2016.05.029

51- Fethia Abdelli, Chokri Boudaya, H. Khemakhem: *Microstructure, X-ray diffraction, dielectric and Raman spectroscopy studies of CaxSryBa1-(y+x)Nb2O6 ceramics*. Journal of Alloys and Compounds 04/2016; 683., DOI:10.1016/j.jallcom.2016.04.189

52- Sarra Ayed, Helmi Abdelkefi, Hamadi Khemakhem, Adel Matoussi: *Solid State Synthesis and Structural Characterization of Zinc Titanates*. Journal of Alloys and Compounds 03/2016; 677., DOI:10.1016/j.jallcom.2016.03.244

53- A. Souissi, M. Amlouk, H. Khemakhem, S. Guermazi: *Deep analysis of Raman spectra of ZnO:Mo and ZnO:In sprayed thin films along with LO and TA+LO bands investigation*. Superlattices and Microstructures 02/2016; 92., DOI:10.1016/j.spmi.2016.02.024

54- H. Kaddoussi, A. Lahmar, Y. Gagou, B. Asbani, J.-L. Dellis, G. Cordoyiannis, B. Allouche, H. Khemakhem, Z. Kutnjak, M. El Marssi: *Indirect and Direct Electrocaloric Measurements of (Ba1−xCax)(Zr0.1Ti0.9)O3 Ceramics (x = 0.05, x = 0.20)*. Journal of Alloys and Compounds 01/2016; 667., DOI:10.1016/j.jallcom.2016.01.159

55- Nabil Dhifallah, Olfa Turki, Mimoun El Marssi, Mohamed Dammak, Hamadi Khemakhem: *Structural and relaxor behavior in lead-free (Ba0.8Sr0.2)Ti1-x(Zn1/3Nb2/3)xO3 ceramics*. Ceramics International 01/2016; 42(6)., DOI:10.1016/j.ceramint.2016.01.013

56- H. Kaddoussi, Y. Gagou, A. Lahmar, B. Allouche, J. L. Dellis, M. Courty, H. Khemakhem, M. El Marssi: *Ferroelectric phase changes and electrocaloric effects in Ba(Zr0.1Ti0.9)1−x Sn x O3 ceramics solid solution*. Journal of Materials Science 12/2015; 51(7)., DOI:10.1007/s10853-015-9663-z

57- I. Kriaa, N. Abdelmoula, A. Maalej, H. Khemakhem: *Study of the Electrocaloric Effect in the Relaxor Ferroelectric Ceramic 0.75PMN-0.25PT*. Journal of Electronic Materials 09/2015; 44(12)., DOI:10.1007/s11664-015-4051-7

58- Mohamed Kallel, Issa Kriaa, Hamadi Khemakhem: *Effect of doping by bismuth on dielectric properties and relaxor behavior in the Ba1-xBi2x/3(Yb0.5Nb0.5)0.05Ti0.95O3 solid solution*. Ceramics International 09/2015; 42(1)., DOI:10.1016/j.ceramint.2015.09.078

59- H. Kaddoussia, A.Lahmara, Y.Gagoua, J.-L.Dellisa, H.Khemakhemb, M.ElMarssia: *Electro-caloric effectinlead-freeferroelectricBa1-xCax(Zr0.1Ti0.9)0.925 Sn0.075O3 ceramics*. Ceramics International 08/2015; 41(10):15103–15110., DOI:10.1016/j.ceramint.2015.08.080

60- Samia Aydi, Mourad Nouiri, Abdelhedi Aydi, Hamadi Khemakhem: *Structural and dielectric studies of ferroelectric or relaxor ceramics in the Ca1-xNax (Ti0.5Sn0.5)1-x NbxO3 system*. Ceramics International 08/2015; 41(10)., DOI:10.1016/j.ceramint.2015.07.156

61- Z. Abdelkafi, G. Khasskhoussi, N. Abdelmoula, H. Khemakhem: *Ferroelectric, piezoelectric and Raman spectroscopy studies of BaTi0.925(Nb0.5Yb0.5)0.075O3 ceramic*. Ceramics International 08/2015; 41(10)., DOI:10.1016/j.ceramint.2015.08.011

62- Feres Benabdallah, Catherine Elissalde, U.-Chan Chung Seu, Dominique Michau, Angeline Poulon-Quintin, Marion Gayot, Pascale Garreta, Hamadi Khemakhem, Mario Maglione: *Structure–microstructure–property relationships in lead-free BCTZ piezoceramics processed by conventional sintering and spark plasma sintering*. Journal of the European Ceramic Society 08/2015; 35(15)., DOI:10.1016/j.jeurceramsoc.2015.06.030

63- H. Khelifi, I. Zouari, S. Habouti, N. Abdelmoula, D. Mezzane, H. Khemakhem, M. Es-Souni: *Raman spectroscopy and evidence of magnetic transition in 0.9BiFeO3–0.1Ba0.8Sr0.2TiO3 ceramic*. Journal of Alloys and Compounds 07/2015; 638., DOI:10.1016/j.jallcom.2015.02.211

64- Mouhamed Amin Hentati, Hichem Dammak, Hamadi Khemakhem, Nicolas Guiblin, Mai Pham Thi: *Dielectric evidence of persistence of polar nanoregions within the ferroelectric phases of (1 - X) Pb (Zn 1 / 3 Nb 2 / 3) O 3 - X PbTiO 3 relaxor ferroelectric system*. Journal of Applied Physics 07/2015; 118(3):034104., DOI:10.1063/1.4926877

65- M. Zannen, A. Lahmar, B. Asbani, H. Khemakhem, M. El Marssi, Z. Kutnjak, M. Es Souni: *Electrocaloric effect and luminescence properties of lanthanide doped (Na1/2Bi1/2)TiO3 lead free materials*. Applied Physics Letters 07/2015; 107(3):032905., DOI:10.1063/1.4927280

66- H. Khelifi, I. Zouari, A. Al-Hajry, N. Abdelmoula, D. Mezzane, H. Khemakhem: *Ac conductivity and ferroelectric phase transition of Bi0.7(Ba0.8Sr0.2)0.3Fe0.7Ti0.3O3 ceramic*. Ceramics International 07/2015; 41(10)., DOI:10.1016/j.ceramint.2015.06.139

67- A. Amouri, N. Abdelmoula, H. Khemakhem: *Structural, dielectric and vibrationnel properties Of Ba(1-x)Bix[Ti0.95(Yb0.5Nb0.5)0.05](1-x)FexO3 ceramics (0≤x≤0.2)*. Ceramics International 05/2015; 41(9)., DOI:10.1016/j.ceramint.2015.04.094

68- H. Kaddoussi, Y. Gagou, A. Lahmar, J. Belhadi, B. Allouche, J.-L. Dellis, M. Courty, H. Khemakhem, M. El Marssi: *Room temperature electro-caloric effect in lead-free Ba(Zr0.1Ti0.9)1−xSnxO3 (x=0, x=0.075) ceramics*. Solid State Communications 12/2014; 201., DOI:10.1016/j.ssc.2014.10.003

69- Hamza Lidjici, Brahim Lagoun, Mokhtar Berrahal, Mohamed Rguitti, Med Amine Hentatti, Hamadi Khemakhem: *XRD, Raman and electrical studies on the (1−x)(Na0.5Bi0.5)TiO3−xBaTiO3 lead free ceramics*. Journal of Alloys and Compounds 08/2014; 618C., DOI:10.1016/j.jallcom.2014.08.161

70- H. Kaddoussi, N. Abdelmoula, Y. Gagou, D. Mezzane, H. Khemakhem, M. Elmarssi: *X-ray diffraction, dielectric and Raman spectroscopy studies of Ba1−xNd2x/3(Ti0.9Zr0.1)O3 ceramics*. Ceramics International 08/2014; 40(7):10255–10261., DOI:10.1016/j.ceramint.2014.02.115

71- A. Amouri, J. Rouquette, B. Hehlen, J. L. Sauvajol, H. Khemakhem: *Physical properties of new, lead free (Na0.5Bi0.5)(1−x)BaxTi(1−x)(Fe0.5Nb0.5)xO3 ceramics*. Ceramics International 07/2014; 40(6):8219-8227., DOI:10.1016/j.ceramint.2014.01.019

72- A. Belboukhari, E. Choukri, Y. Gagou, R. Elmoznine, N. Abdelmoula, A. Neqali, M. El Marssi, H. Khemakhem, D. Mezzane: *Investigation on relaxation and conduction mechanism in Pb0.75K0.5Nb2O6 new ferroelectric ceramic*. Superlattices and Microstructures 07/2014; 71., DOI:10.1016/j.spmi.2014.03.031

73- Fathi Bahri, Hamadi Khemakhem: *Raman and dielectric investigation of (Ba0.9−xSrxCa0.1)(Ti0.8Zr0.2)O3 ferroelectric ceramics*. Ceramics International 07/2014; 40(6):7909–7913., DOI:10.1016/j.ceramint.2013.12.138

74- M Zannen, bullet M Dietze, bullet H Khemakhem, Es-SOUNI: *Ferroelectric (Na 1/2 Bi 1/2 )TiO 3 thin films showing photoluminescence properties*. Applied Physics A 06/2014; 117(3)., DOI:10.1007/s00339-014-8581-2

75- M Zannen, M Dietze, H Khemakhem, A Kabadou, M Es-Souni: *The erbium's amphoteric behavior effects on sodium bismuth titanate properties*. Ceramics International 05/2014; 40(8):13461-13469., DOI:10.1016/j.ceramint.2014.05.069

76- Fathi Bahri, Hamadi Khemakhem: *Relaxor behavior and dielectric properties of Ba1−xBi2x/3Zr0.15Ti0.85O3 solid solution*. Journal of Alloys and Compounds 04/2014; 593:202–206., DOI:10.1016/j.jallcom.2013.12.118

77- S. Ouni, S. Nouri, H. Khemakhem, R. Ben Hassen: *Phase transitions, dielectric properties, and vibrational study of stannates perovskites Sr1−xErxSnO3−δ*. Materials Research Bulletin 03/2014; 51:136–140., DOI:10.1016/j.materresbull.2013.12.012

78- B Hehlen, A Amouri, A Al-Zein, H Khemakhem: *This content has been downloaded from IOPscience. Please scroll down to see the full text. Hyper-Raman and Raman scattering from the polar modes of PbMg 1/3 Nb 2/3 O 3 Hyper-Raman and Raman scattering from the polar modes of PbMg 1/3 Nb 2/3 O 3*.

79- Bernard Hehlen, Amira Amouri, Ali Al-Zein, Hamadi Khemakhem: *Hyper-Raman and Raman scattering from the polar modes of PbMg1/3Nb2/3O3*. Journal of Physics Condensed Matter 11/2013; 26(1):015401., DOI:10.1088/0953-8984/26/1/015401

80- I KALLEL, Z ABDELKAFI, Najmeddine Abdelmoula, Annie Simon, Hamadi Khemakhem: *Relaxor behaviour and dielectric properties of BiFeO3 doped Ba(Zr0·1Ti0·9)O3 ceramics*. Bulletin of Materials Science 10/2013; 36(5)., DOI:10.1007/s12034-013-0548-y

81- Fathi Bahri, Hamadi Khemakhem: *Dielectric properties of Bi-doped Ba0.8Sr0.2TiO3 ceramic solid solutions*. Ceramics International 09/2013; 39(7):7571-7575., DOI:10.1016/j.ceramint.2013.03.010

82- H. Belgaroui, M. Loukil, A. Kabadou, H. Khemakhem, A. Ben Salah: *Structure of New Layered Bimetallic Hydrogenoselenite Copper Selenium*. Journal of Chemical Crystallography 07/2013; 43(7)., DOI:10.1007/s10870-013-0427-9

83- Mouhamed Amin Hentati, Hichem Dammak, Hamadi Khemakhem, Mai Pham Thi: *Dielectric properties and phase transitions of [001], [110], and [111] oriented Pb(Zn1/3Nb2/3)O3-6%PbTiO3 single crystals*. Journal of Applied Physics 06/2013; 113(24)., DOI:10.1063/1.4812327

84- Ahmed Jarboui, Fathi Bahri, Hamadi Khemakhem: *Preparation and characterization of (1 - y)BiFeO3/y(Ba0.7Na0.3Ti0.7Nb0.3)O3 multiferroic ceramics*. The European Physical Journal Applied Physics 04/2013; 62(1):10303-., DOI:10.1051/epjap/2013120237

85- M. Zannen, H. Khemakhem, A. Kabadou, M. Es-Souni: *Structural, Raman and electrical studies of 2 at.% Dy-doped NBT*. Journal of Alloys and Compounds 04/2013; 555:56–61., DOI:10.1016/j.jallcom.2012.12.002

86- A. Belboukhari, Z. Abkhar, E. Choukri, Y. Gagou, N. Abdelmoula, R. Elmoznine, D. Mezzane, H. Khemakhem, M. El Marssi, A. Razumnaya, I. Raevski, I. Luk'yanchuk: *Studies of Diffuse Phase Transition in Ferroelectric Solid Solution Pb1-xK2xNb2O6 (x = 0.1, 0.2, 0.25 and 0.3)Solution Pb 1-x K 2x Nb 2 O 6*. Ferroelectrics 01/2013; 444(1):116-124., DOI:10.1080/00150193.2013.786619

87- H. Zaghouene, F. Bahri, M. Boujelbene, Hamadi Khemakhem, Annie Simon: *Effect of doping by Bi and Ca on ferroelectric properties and relaxor character in the (Ba1−xCax)1−3y/2BiyTiO3 solid solution*. Journal of Physics and Chemistry of Solids 10/2012; 73(10):1218–1222., DOI:10.1016/j.jpcs.2012.05.017

88- H. Khelifi, M. Zannen, N. Abdelmoula, D. Mezzane, A. Maalej, H. Khemakhem, M. Es-Souni: *Dielectric and Magnetic properties of (1 - X)BiFeO 3-xBa 0.8Sr 0.2TiO 3 ceramics*. Ceramics International 09/2012; 38(7):5993–5997., DOI:10.1016/j.ceramint.2012.04.055

89- Feres Benabdallah, Abdelhedi AYDI, Najmeddine Abdelmoula, Hamadi Khemakhem, Annie Simon, Régnault Von Der Mühll, Mario Maglione: *Dielectric, pyroelectric and piezoelectric properties in the (1 - X)(0.1BaTiO 3-0.9NaNbO 3)-xLiNbO 3 system*. Solid State Sciences 09/2012; 14(9):1333., DOI:10.1016/j.solidstatesciences.2012.07.010

90- Faiza Boujelben, Hamadi Khemakhem, Annie Simon: *Effect of Mn and Nb Doped BaTiO3 in the dielectric properties in the Ba(Mn1/2Nb1/2)xTi1-xO 3*. Journal of Electronic Materials 08/2012; 41(8)., DOI:10.1007/s11664-012-2027-4

91- M. Zannen, A. Lahmar, M. Dietze, H. Khemakhem, A. Kabadou, M. Es-Souni: *Structural, optical, and electrical properties of Nd-doped Na0.5Bi0.5TiO3*. Materials Chemistry and Physics 06/2012; 134(s 2–3):829–833., DOI:10.1016/j.matchemphys.2012.03.076

92- H. Zaghouene, Hamadi Khemakhem, Annie Simon: *X-ray diffraction, dielectric, pyroelectric, piezoelectric and Raman spectroscopy studies on (Ba0.95Ca0.05)0.8875Bi0.075TiO3 ceramic*. Ceramics International 05/2012; 38(4):3135–3139., DOI:10.1016/j.ceramint.2011.12.015

93- A. Aydi, A. Simon, D. Michau, R. Von Der Mühll, N. Abdelmoula, H. Khemakhem: *Dielectric study of ferroelectric or relaxor Behavior in Ba 1-xNa x(Ti 0,8Sn 0,2) 1-xNbO 3 ceramics*. Journal of Optoelectronics and Advanced Materials 03/2012; 14(3):251-256.

94- Abdelhedi AYDI, Annie Simon, Dominique Michau, Régnault Von Der Mühll, N. ABDELMOULA and H. KHEMAKHEM: *Dielectric study of ferroelectric or relaxor Behavior in Ba1-xNax(Ti0,8Sn0,2)(1-x)NbO3 ceramics*. Journal of Optoelectronics and Advanced Materials 03/2012; 14(3-4):251.

95- Chiheb Chaker, Y. Gagou, N. Abdelmoula, J.-L. Dellis, C. Masquelier, H. Khemakhem, M. El Marssi: *X-ray diffraction, dielectric, conduction and Raman studies in Na0.925Bi0.075Nb0.925Mn0.075O3 ceramic*. Journal of Applied Physics 02/2012; 111(4)., DOI:10.1063/1.3684961

96- H. Khelifi, A. Aydi, N. Abdelmoula, A. Simon, A. Maalej, H. Khemakhem, M. Maglione: *Structural and dielectric properties of Na1-x Ba x Nb1-x (Sn0.5Ti0.5) x O3 ceramics*. Journal of Materials Science 02/2012; 47(4):1943-1949., DOI:10.1007/s10853-011-5987-5

97- H. Khelifi, Abdelhedi AYDI, Najmeddine Abdelmoula, Annie Simon, A. Maalej, Hamadi Khemakhem, Mario Maglione: *Structural and dielectric properties of Na1−xBaxNb1−x(Sn0.5Ti0.5)xO3 ceramics*.

98- Chiheb Chaker, Walid El Gharbi, Najmeddine Abdelmoula, Annie Simon, Hamadi Khemakhem, Mario Maglione: *Na 1− x Li x NbO 3 ceramics studied by X-ray diffraction, dielectric, pyroelectric, piezoelectric and Raman spectroscopy*. Journal of Physics and Chemistry of Solids 10/2011; 72(10):1140-1146., DOI:10.1016/j.jpcs.2011.07.002

99- Z. Abdelkafi, N. Abdelmoula, O. Bidault, H. Khemakhem, M. Maglione: *Impedance Study of Giant Dielectric Permittivity in BaTi0.4(Fe0.5Nb0.5)0.6O3 Ceramic*. Physica B Condensed Matter 09/2011; 406(18):3470–3474., DOI:10.1016/j.physb.2011.06.026

100- Abdelhedi Aydi, Annie Simon, Dominique Michau, Régnault Von Der Mühll, Najmeddine Abdelmoula, Hamadi Khemakhem: *Elaboration and dielectric study of ferroelectric or relaxor ceramics in the ternary system BaTiO 3–NaNbO 3–BaSnO 3*. Journal of Alloys and Compounds 07/2011; 509(29):7773-7777., DOI:10.1016/j.jallcom.2011.04.149

101- F. Benabdallah, A. Simon, H. Khemakhem, C. Elissalde, M. Maglione: *Linking Large Piezoelectric Coefficients to Highly Flexible Polarization of Lead Free BaTiO3-CaTiO3-BaZrO3 Ceramics*. Journal of Applied Physics 06/2011; 109(12):124116-124116-6., DOI:10.1063/1.3599854

102- Chiheb Chaker, Najmeddine Abdelmoula, Yaovi Gagou, Daoud Mezzane, Hamadi Khemakhem, Mimoun El Marssi: *Study of the Na1-xBixNb1-xMn xO3 ceramics by X-ray diffraction, dielectric and Raman spectroscopy*. Solid State Communications 05/2011; 151(10):763-767., DOI:10.1016/j.ssc.2011.03.011

103- Feres Benabdallah, Annie Simon, Hamadi Khemakhem, Catherine Elissalde, Mario Maglione: *Linking large piezoelectric coefficients to highly flexible polarization of lead free BaTiO<sub class="emphinferior">3</sub>-CaTiO<sub class="emphinferior">3</sub>-BaZrO<sub class="emphinferior">3</sub> ceramics*.

104- Z. Abdelkafi, Najmeddine Abdelmoula, Olivier Bidault, Hamadi Khemakhem, Mario Maglione: *Impedance study of giant dielectric permittivity in BaTi<sub>0.4</sub>(Fe<sub>0.5</sub>Nb<sub>0.5</sub>)<sub>0.6</sub>O<sub>3</sub> ceramic*.

105- H. Chaabane, N. Abdelmoula, H. Khemakhem, A. Simon, D. Michau, M. Maglione: *Dielectric And Ferroelectric Properties of Lead-Free Ba1-x LaxTi1-xFexO3 Ceramics*. Physica Status Solidi (A) Applications and Materials 01/2011; 208(1):180 - 185., DOI:10.1002/pssa.201026083

106- H. Chaabane, Najmeddine Abdelmoula, Hamadi Khemakhem, Annie Simon, Dominique Michau, Mario Maglione: *Dielectric and ferroelectric properties of lead-free Ba<sub>1− x </sub>La<sub> x </sub>Ti<sub>1− x </sub>Fe<sub> x </sub>O<sub>3</sub> ceramics*.

107- A. Samet, H. Boughzala, H. Khemakhem, Y. Abid: *Synthesis, characterization and non-linear optical properties of Tetrakis(dimethylammonium) Bromide Hexabromobismuthate: {[(CH3)2NH2]+}4·Br−·[BiBr6]3−*. Journal of Molecular Structure 12/2010; 984(1-3):23-29., DOI:10.1016/j.molstruc.2010.08.049

108- I. Kriaa, N. Abdelmoula, A. Maalej, H. Khemakhem, Annie Simon, Jean Ravez: *Numerical study on dielectric permittivity for the ferroelectric ceramic with composition KTa 0.6Nb 0.4O 3*. Journal of Alloys and Compounds 10/2010; 508(2):453-456., DOI:10.1016/j.jallcom.2010.08.092

109- Z. Abdelkafi, N. Abdelmoula, H. Khemakhem, A. Simon, M. Maglione: *Physical Properties of New, Lead Free BaTi1 − x (Nb0.5Yb0.5) x O3 Ceramics*. Ferroelectrics 09/2010; 371(1-2008):48-55., DOI:10.1080/00150190802385101

110- Mouhamed Amin Hentati, Mael Guennou, Hichem Dammak, Hamadi Khemakhem, Mai Pham Thi: *Intrinsic effect of Mn doping in PZN–12%PT single crystals*. Journal of Applied Physics 04/2010; 107(6-107):064108 - 064108-4., DOI:10.1063/1.3331817

111- M. DAMMAK, H. KHEMAKHEM, T. MHIRI, A. W. KOLSI, A. DAOUD: *ChemInform Abstract: Structure and Characterization of a Mixed Crystal Rb2SO4×Te(OH)6.*. ChemInform 01/2010; 30(1)., DOI:10.1002/chin.199901005

112- I. Kriaa, Najmeddine Abdelmoula, A. Maalej, Hamadi Khemakhem, Annie Simon, Jean Ravez: *Numerical study on dielectric permittivity for the ferroelectric ceramic with composition KTa<sub>0.6</sub>Nb<sub>0.4</sub>O<sub>3</sub*.

113- Abdelhedi Aydi, Hamadi Khemakhem, Annie Simon, Dominique Michau, Régnault von der Mühll: *Study of ceramic materials in the SrSnO3–NaNbO3 system by X-ray diffraction, dielectric and Raman spectroscopy*. Journal of Alloys and Compounds 09/2009; 484(1-2):356-359., DOI:10.1016/j.jallcom.2009.04.097

114- Chiheb Chaker, Walid El Gharbi, Najmeddine Abdelmoula, Hamadi Khemakhem, Annie Simon, Mario Maglione: *Physical properties of the new ceramics in the mixed oxide system Na1−xLixNb1−xSbxO3*. Journal of Alloys and Compounds 07/2009; 481(s 1–2):305–309., DOI:10.1016/j.jallcom.2009.03.032

115- Faiza. Boujelben, F. Bahri, C. Boudaya, A. Maalej, H. Khemakhem, A. Simon, M. Maglione: *Effect of Ni doped BaTiO3 on the dielectric properties in the Ba(Ni1/3Nb2/3)xTi1−xO3 solid solution*. Journal of Alloys and Compounds 07/2009; 481(1-2):559-562., DOI:10.1016/j.jallcom.2009.03.081

116- Chiheb Chaker, Walid El Gharbi, Najmeddine Abdelmoula, Hamadi Khemakhem, Annie Simon, Mario Maglione: *Physical properties of the new ceramics in the mixed oxide system Na<sub>1− x </sub>Li<sub> x </sub>Nb<sub>1− x </sub>Sb<sub> x </sub>O<sub>3</sub*.

117- Faiza Boujelben, F. Bahri, Chokri Boudaya, A. Maalej, Hamadi Khemakhem, Annie Simon, Mario Maglione: *Effect of Ni doped BaTiO<sub>3</sub> on the dielectric properties in the Ba(Ni<sub>1/3</sub>Nb<sub>2/3</sub>)<sub> x </sub>Ti<sub>1− x </sub>O<sub>3</sub> solid solution*.

118- Abdelhedi Aydi, Souad Chkoundali, Hamadi Khemakhem, Annie Simon, Régnault Von Der Mühll: *X-ray diffraction, dielectric measurements and Raman spectroscopy*. Journal of Alloys and Compounds 10/2008; 465(1):222-226., DOI:10.1016/j.jallcom.2007.10.108

119- Helmi Abdelkefi, Hamadi Khemakhem, Annie Simon, Jacques Darriet: *X-ray diffraction study of Ba 0.985Na 0.015Ti 0.985Nb 0.015O 3, Ba 0.6Na 0.4Ti 0.6Nb 0.4O 3 and Ba 0.3Na 0.7Ti 0.3Nb 0.7O 3 compositions*. Solid State Ionics 09/2008; 463(1):423-427., DOI:10.1016/j.jallcom.2007.09.031

120- Z. Abdelkafi, Najmeddine Abdelmoula, Hamadi Khemakhem, Annie Simon, Mario Maglione: *Ferroelectric, piezoelectric, pyroelectric and Raman spectroscopy studies on BaTi0.9(Fe1/2Nb1/2)0.1O3 ceramic*. Physica Status Solidi (A) Applications and Materials 08/2008; 205(12):2948 - 2952., DOI:10.1002/pssa.200824142

121- L. Bih, L. Abbas, A. Nadiri, H. Khemakhem, B. Elouadi: *Investigations of molybdenum redox phenomenon in Li2O–MoO3–P2O5 phosphate glasses*. Journal of Molecular Structure 01/2008; 872(1-872):1-9., DOI:10.1016/j.molstruc.2007.02.005

122- Z. Abdelkafi, Najmeddine Abdelmoula, Hamadi Khemakhem, Annie Simon, Mario Maglione: *Physical properties of new, lead free BaTi<sub>1-x</sub>(Nb<sub>0.5</sub>Yb<sub>0.5</sub>)<sub>x</sub>O<sub>3</sub> ceramics*.

123- Helmi Abdelkefi, Hamadi Khemakhem, Jacques Darriet, Annie Simon: *X-ray diffraction study of Ba0.985Na0.015Ti0.985Nb0.015O3, Ba0.6Na0.4Ti0.6Nb0.4O3 and Ba0.3Na0.7Ti0.3Nb0.7O3 compositions*.

124- Abdelhedi Aydi, Souad Chkoundali, Hamadi Khemakhema, Annie Simonb and Régnault Von Der M¨uhll: *X-ray diffraction, dielectric measurements and Raman spectroscopy Studies of the (1-   
x)CaSnO3 -x NaNbO3 solid solution*. Journal of Alloys and Compounds 01/2008; 465:222.

125- Helmi Abdelkefi, Hamadi Khemakhem, Annie Simon, Mario Maglione: *Piezoelectric, pyroelectric, dielectric and ferroelectric properties of Ba0.3Na0.7Ti0.3Nb0.7O3*. Journal of Applied Physics 12/2007; 102(11):114106-114106-6., DOI:10.1063/1.2818146

126- N. Abdelmoula, H. Chaabane, H. Khemakhem, R. Von der Mühll, A. Simon: *Retraction: Relaxor or classical ferroelectric behavior in A site substituted perovskite type Ba1–x(Sm0.5Na0.5)x TiO3*. Physica Status Solidi (A) Applications and Materials 12/2007; 204(12):4305 - 4305., DOI:10.1002/pssa.200776344

127- L. Abbas, L. Bih, A. Nadiri, Y. El Amraoui, H. Khemakhem, D. Mezzane: *Chemical durability of MoO3-P2O5 and K2O-MoO3-P2O5 glasses*. Journal of Thermal Analysis and Calorimetry 11/2007; 90(2):453-458., DOI:10.1007/s10973-006-7673-4

128- Z. Abdelkafi, Najmeddine Abdelmoula, Hamadi Khemakhem, Régnault Von Der Mühll, Lahcen Bih: *Effects of the substitution of titanium by iron and niobium on the structure and dielectric properties in BaTi1−x(Fe0.5Nb0.5)xO3 solid solution*. Journal of Alloys and Compounds 01/2007; 427(s 1–2):260–266., DOI:10.1016/j.jallcom.2006.03.028

129- Z. Abdelkafi, N. Abdelmoula, H. Khemakhem, O. Bidault, M. Maglione: *Dielectric relaxation in BaTi0.85(Fe1/2Nb1/2)0.15O3 perovskite ceramic*. Journal of Applied Physics 01/2007; 100(11-100):114111 - 114111-6., DOI:10.1063/1.2369532

130- Najmeddine Abdelmoula, Hamadi Khemakhem, Annie Simon, Mario Maglione: *Structure refinement, dielectric, pyroelectric and Raman characterizations of Ba 1-xLa x(1-y)/2Eu xy/2Na x/2TiO 3 solid solution*. Journal of Solid State Chemistry 12/2006; 179(12):4011-4019., DOI:10.1016/j.jssc.2006.09.006

131- Najmeddine Abdelmoula, H. Chaabane, Hamadi Khemakhem, Régnault Von Der Mühll, Annie Simon: *Relaxor or classical ferroelectric behavior in A-site substituted perovskite type Ba1-x(Sm0.5Na0.5)xTiO3*. Physica Status Solidi (A) Applications and Materials 08/2006; 8(8):880-887., DOI:10.1016/j.solidstatesciences.2006.01.014

132- N. Chabchoub, Jacques Darriet, Hamadi Khemakhem: *Structural and conductivity studies of CsKSO 4Te(OH) 6 and Rb 1.25K 0.75SO 4Te(OH) 6 materials*. Journal of Solid State Chemistry 07/2006; 179(7):2164-2173., DOI:10.1016/j.jssc.2006.04.020

133- Najmeddine Abdelmoula, Hamadi Khemakhem, Régnault Von der Mühll, Annie Simon: *Structural and dielectric studies of relaxor ferroelectric Ba1−xLax(1−y)/2Euxy/2Nax/2TiO3 ceramics*. Journal of Alloys and Compounds 06/2006; 417(s 1–2):264–268., DOI:10.1016/j.jallcom.2005.09.032

134- N. Abdelmoula, H. Chaabane, H. Khemakhem, R. Von der Mühll, A. Simon: *Relaxor or classical ferroelectric behavior in A site substituted perovskite type Ba1- x (Sm 0.5 Na 0.5 ) x TiO 3*. Physica status solidi 04/2006; 203(5):987-996., DOI:10.1002/pssa.200521465

135- L. Bih, L. Abbas, A. Nadiri, Y. El-Amraoui, D. Mezzane, H. Khemakhem: *Dc and ac conductivities of the yLiO-(1-y)[0.35(MoO )-0.65(PO] glasses2 3 2 2 5*.

136- Najmeddine Abdelmoula, Hamadi Khemakhem, Annie Simon, Mario Maglione: *Structure refinement, dielectric, pyroelectric and Raman characterizations of Ba1−xLax(1−y)/2Euxy/2Nax/2TiO3 solid solution*.

137- Najmeddine. Abdelmoula, Hamadi Khemakhem, Annie Simon, Mario Maglione: *Structure refinement, dielectric, pyroelectric and Raman characterizations of Ba{sub 1-x}La{sub x(1-y)/2}Eu{sub xy/2}Na{sub x/2}TiOâ solid solution*.

138- Najmeddine Abdelmoula, Hamadi Khemakhem, Régnault Von der Mühll, Annie Simon: *Structural and dielectric studies of relaxor ferroelectric Ba 1− x La x(1− y)/2 Eu xy/2 Na x/2 TiO 3 ceramics*. Journal of Alloys and Compounds 01/2006; 417(1):264-268.

139- Helmi Abdelkefi, Hamadi Khemakhem, Gabriel Vélu, Jean Claude Carru, Régnault Von der Mühll: *Dielectric properties and ferroelectric phase transitions in BaxSr1−xTiO3 solid solution*. Journal of Alloys and Compounds 08/2005; 399(1-2-399):1-6., DOI:10.1016/j.jallcom.2005.03.007

140- Abdelhedi Aydi, Hamadi Khemakhem, Chokri Boudaya, Annie Simon, Régnault Von der Mühll: *X-ray and dielectric studies of ferroelectric or relaxor phases in the Ca1−xNaxSn1−xNbxO3 system*. Solid State Sciences 03/2005; 7(3):249-255., DOI:10.1016/j.solidstatesciences.2004.10.009

141- N. Chabchoub, Hamadi Khemakhem, Régnault Von Der Mühll: *Dielectric, electric and Raman studies on the RbK(SO 4)·Te(OH) 6 material*. Journal of Alloys and Compounds 01/2005; 386(1):319-325., DOI:10.1016/j.jallcom.2004.06.018

142- Helmi Abdelkefi, Hamadi Khemakhem, Gabriel Vélu, Jean Claude Carru, Régnault Von der Mühll: *Dielectric Properties of Ferroelectric Ceramics Derived from the System BaTiO3–NaNbO3-Based Solid Solutions*. Solid State Sciences 12/2004; 6(12):1347-1351., DOI:10.1016/j.solidstatesciences.2004.07.012

143- Chokri Boudaya, Hamadi Khemakhem, Annie Simon, Régnault Von der Mühll: *Effect of the replacement of titanium by tin on the dielectric properties of barium–sodium titanoniobate ceramics Ba 0.1Na 0.9Ti 0.1Nb 0.9O 3*. Solid State Sciences 07/2004; 6(7):625-628., DOI:10.1016/j.solidstatesciences.2004.03.014

144- N. Chabchoub, H. Khemakhem: *AC ionic conductivity investigations on the CsK(SO 4)·Te(OH) 6 material*. Journal of Alloys and Compounds 05/2004; 370(1):8-17., DOI:10.1016/j.jallcom.2003.08.091

145- Abdelhedi Aydi, Hamadi Khemakhem, Chokri Boudaya, Régnault Von der Mühll, Annie Simon: *New Ferroelectric and Relaxor Ceramics in the Mixed Oxide System NaNbO3-BaSnO3*. Solid State Sciences 04/2004; 6(4):333-337., DOI:10.1016/j.solidstatesciences.2003.12.006

146- Abdelhedi Aydi, Hamadi Khemakhem, Chokri Boudayaa, Régnault Von der Mühll and Annie Simon: *New ferroelectric and relaxor ceramics in the mixed oxide system NaNbO3–BaSnO3*. Solid State Sciences 01/2004; 6 (2004) 333–337:333.

147- C Boudaya, N Chabchoub, H Khemakhem, R Von der Mühll: *Ionic Conduction and Dielectric Properties in the Telluric Sulfate K2(SO4)×Te(OH)6.*. Journal of Alloys and Compounds 11/2003; 352(1-2):304-308., DOI:10.1016/S0925-8388(02)01153-2

148- F Bahri, Hamadi Khemakhem, Annie Simon, R Von Der Muhll, Jean Ravez: *Dielectric and pyroelectric studies on the Ba1-3aBi2aTiO3 classical and relaxor ferroelectric ceramics*. Solid State Sciences 09/2003; 5(9):1235-1238., DOI:10.1016/S1293-2558(02)00180-8

149- N. Chabchoub, H. Khemakhem, M. Gargouri: *Ferroelectricity and superionic conduction in telluric sulfates MM′(SO 4)Te(OH) 6 (M, M′=K, Rb and Cs)*. Journal of Alloys and Compounds 09/2003; 359(1):84-90., DOI:10.1016/S0925-8388(03)00221-4

150- F. Bahri, H. Khemakhem, A. Simon, R. Von Der Mühll, J. Ravez: *Dielectric and pyroelectric studies on the Ba 1−3 a Bi 2 a TiO 3 classical and relaxor ferroelectric ceramics*. Solid State Sciences 09/2003; 5(9):1235-1238., DOI:10.1016/S1293-2558(03)00180-8

151- F. Bahri, H. Khemakhem, M. Gargouri, A. Simon, R. Von der Mühll, J. Ravez: *Dielectric and Raman studies on the solid solution (1− x)BaTiO 3/ xNaNbO 3 ceramics*. Solid State Sciences 09/2003; 5(9):1229-1234., DOI:10.1016/S1293-2558(03)00156-0

152- Sabeur Khemakhem, Samia Yahyaoui, Rached Ben Hassen, Hamadi Khemakhem, Abdelhamid Ben Salah: *Crystal Structure and Electrical Behavior of the New Ceramic Ba0.7Na0.3Ti0.7Nb0.3O3*. Solid State Sciences 08/2003; 34(31)., DOI:10.1002/chin.200331020

153- Sabeur Khemakhem, Samia Yahyaoui, Rached Ben Hassen, Hamadi Khemakhem, Abdelhamid Ben Salah: *Crystal Structure and Electrical Behavior of the New Ceramic Ba0.7Na0.3Ti0.7Nb0.3O3*. Solid State Sciences 02/2003; 5(2):367-371., DOI:10.1016/S1293-2558(03)00008-6

154- F. Bahri, Hamadi Khemakhem, M. Gargouri, Annie Simon, Régnault Von Der Mühll, Jean Ravez: *Dielectric Raman studies on the solid solution (1-x)BaTiO3/xNaNbO3 ceramics*.

155- M. Dammak, H. Khemakhem, T. Mhiri: *Superprotonic conduction and ferroelectricity in addition cesium sulfate tellurate Cs 2SO 4.Te(OH) 6*. Journal of Physics and Chemistry of Solids 11/2001; 62(11):2069-2074., DOI:10.1016/S0022-3697(01)00076-2

156- H. Feki, H. Khemakhem, Y. Abid: *H+-ion conductivity and ferroelectric properties of rubidium ammonium hydrogen sulphate*. Journal of Physics Condensed Matter 09/2001; 13(37):8509-8518., DOI:10.1088/0953-8984/13/37/308

157- F. Bahri, A. Simon, H. Khemakhem, J. Ravez: *Classical or Relaxor Ferroelectric Behaviour of Ceramics With Composition Ba1-xBi2x/3TiO3*. physica status solidi (a) 04/2001; 184(2):459-464., DOI:10.1002/1521-396X(200104)184:2<459::AID-PSSA459>3.0.CO;2-0

158- Mühll Régnault Von Der, Annie Simon, Hamadi Khemakhem, Jean Ravez: *Pyroelectric and piezoelectric properties of new lead-free ceramics with composition Ba 1-xNa xTi 1-xO 3*. Annales de Chimie Science des Matériaux 02/2001; 26(1):127-130., DOI:10.1016/S0151-9107(01)90024-8

159- Hamadi Khemakhem, Annie Simon, Régnault Von Der Mühll, Jean Ravez: *Relaxor or Classical Ferroelectric Behavior in Ceramics with Composition Ba1-xNaxTi1-xNbxO3*. Journal of Physics Condensed Matter 06/2000; 12(27):5951., DOI:10.1088/0953-8984/12/27/313

160- H. Khemakhem, A. Simon, R.V.D. Mhll, J. Ravez: *Relaxor or classical ferroelectric behaviour in ceramics with composition Ba [iopmath latex="$\_{1-x}{\rm Na}\_x{\rm Ti}\_{1-x}{\rm Nb}\_x{\rm O}\_3$"] 1-xNaxTi1-xNbxO3 [/iopmath]*. Journal of Physics Condensed Matter 01/2000; 12(27).

161- M Dammak, H Khemakhem, N Zouari, A. W Kolsi, T Mhiri: *Electrical properties of ferroelectric addition compound K 2SeO 4.Te(OH) 6*. Solid State Ionics 01/2000; 127(1):125-132., DOI:10.1016/S0167-2738(99)00256-8

162- N. Zouari, H. Khemakhem, T. Mhiri, A. J. Daoud: *Ac conductivity and dielectric relaxation studies in the polycrystalline compound KYHP3O10*. Journal of Physics and Chemistry of Solids 11/1999; 60(11):1779-1786., DOI:10.1016/S0022-3697(99)00206-1

163- M. Dammak, H. Khemakhem, T. Mhiri, A. W. Kolsi, A. Daoud: *Structural and Vibrational Study of K 2SeO 4·Te(OH) 6 Material*. Journal of Solid State Chemistry 07/1999; 145(2):612-618., DOI:10.1006/jssc.1999.8254

164- N. Zouari, H. Khemakhem, M. Gargouri, M. Mnif, T. Mhiri, A. Daoud: *Structural and Electrical Properties of the NH 4 DyHP 3 O 10 Compound*. physica status solidi (b) 05/1999; 213(1):219-231.

165- N. Zouari, H. Khemakhem, M. Gargouri, M. Mnif, T. Mhiri, A. Daoud: *Structural and Electrical Properties of the NH4DyHP3O10 Compound*. physica status solidi (b) 05/1999; 213(1):219-231., DOI:10.1002/(SICI)1521-3951(199905)213:1<219::AID-PSSB219>3.0.CO;2-Q

166- Hamadi Khemakhem, Mohamed Mnif, Jean Ravez, Abdelaziz Daoud: *Low Frequency Dispersion in Ferroelectric KTa 0.3Nb 0.7O 3 Ceramic*. Journal of the Physical Society of Japan 03/1999; 68(3):1031-1034., DOI:10.1143/JPSJ.68.1031

167- H. Khemakhem, T. Mhiri, A. Daoud: *Ferroelectric and electric properties of Rb0.6(NH4)0.4HSO4 single crystal*. Solid State Ionics 02/1999; 117(s 3–4):337–343., DOI:10.1016/S0167-2738(98)00406-8

168- Hamadi Khemakhem: *Dielectric and Raman investigations on M2(SO4). Te(OH)6 (m =k, Rb and Cs)*. Ferroelectrics 01/1999; 234(1-4-1-4):47-59., DOI:10.1080/00150199908225281

169- M. Dammak, H. Khemakhem, T. Mhiri, A.W. Kolsi, A. Daoud: *Structure and characterization of a mixed crystal Rb2SO4.Te(OH)6*. Journal of Alloys and Compounds 10/1998; 280(1)., DOI:10.1016/S0925-8388(98)00707-5

170- N. Zouari, M. Mnif, H. Khemakhem, T. Mhiri, A. Daoud: *Conductivity relaxation parameters of some H+ and K+ conducting in the polycrystalline compound KDyHP3O10*. Solid State Ionics 07/1998; 110(3-4):269-275., DOI:10.1016/S0167-2738(98)00128-3

171- M. Dammak, H. Khemakhem, T. Mhiri, A. W. Kolsi, A. Daoud: *Structure and characterization of a mixed crystal Rb 2SO 4.Te(OH) 6 1 This paper is dedicated to Dr. Hatem Mhiri. 1*. Journal of Alloys and Compounds 01/1998; 280(1):107-113.

172- R. Von Der Mühll, H. Khemakhem, J. Ravez: *Piezoelectric and pyroelectric properties of poled KTN ceramics*. Annales de Chimie Science des Matériaux 12/1997; 22(8):725-729.

173- H. Khemakhem, M. Mnif, T. Mhiri, A. Daoud: *Phase transition and Raman studies on Cs0.9(NH4)0.1HSO4*. physica status solidi (a) 10/1997; 163(2):349-355., DOI:10.1002/1521-396X(199710)163:23.0.CO;2-E

174- H. Khemakhem, J. Ravez, A. Daoud: *Effect of DC and AC Bias Fields on the Dielectric and Ferroelectric Properties of a KTN Ceramic*. physica status solidi (a) 06/1997; 161(2):557-564., DOI:10.1002/1521-396X(199706)161:23.0.CO;2-9

175- H. Khemakhem, R. von der Mühll, A. Daoud, J. Ravez: *Piezoelectric and Pyroelectric Properties in Ferroelectric KTa0.3Nb0.7O3 Ceramics*. physica status solidi (a) 03/1997; 160(1):243-253., DOI:10.1002/1521-396X(199703)160:13.0.CO;2-9

176- H. Khemakhem, J. Ravez, A. Daoud: *Dielectric Properties of KTN ferroelectric ceramics sintered with LiF*. Ferroelectrics 11/1996; 188(1):41-51., DOI:10.1080/00150199608244878

177- H. Khemakhem, R. von der Mühll, J. Ravez, A. Daoud: *Phase transitions, piezoelectric and pyroelectric properties of KTa1-xNbxO3 ceramics (x = 0.3 and 0.4)*. Ferroelectrics 11/1996; 188(1-1):85-93., DOI:10.1080/00150199608244882

178- H. Khemakhem, T. Mhiri, Z. Fakhfakh, A. Daoud: *Ferroelectric transition in Cs1-X(NH4)XHSO4 solid solutions*. Phase Transitions 05/1996; 56(4-4):193-198., DOI:10.1080/01411599608207847

179- H. Khemakhem, J. Ravez, P. Dubernet, A. Daoud: *High frequency dielectric relaxation of a KTa0.6Nb0.4O3 ceramic*. Phase Transitions 05/1996; 56(4-4):199-204., DOI:10.1080/01411599608207848

180- H. Khemakhem, T. Mhiri, H. Guermazi, Z. Fakhfakh, A. Daoud: *Dielectric, optical and infrared studies of the mixed caesium-ammonium acid sulphate Cs0.9(NH4)0.1HSO4*. Phase Transitions 02/1996; 56(1-1):61-66., DOI:10.1080/01411599608207840

181- H. Khemakhem, T. Mhiri, Z. Fakhfakh, A. Daoud: *Synthesis Characterization and Protonic Conduction in Mixed Caesium-Ammonium Hydrogenosulphate Cs 0.95 (NH 4 ) 0.05 HSO 4*. Advanced Materials Research 01/1994; 1/2:299-308., DOI:10.4028/www.scientific.net/AMR.1-2.299

Proceedings de Conferences

1. A. Lahmar, J. Belhadi, M. El Marssi, M. Zannen, H. Khemakhem, N. Al-Dahoudi: *Energy storage property of Lead-free Na0.5Bi0.5TiO3 ceramic and thin film*. 2017 International Conference in Energy and Sustainability in Small Developing Economies (ES2DE); 07/2017, DOI:10.1109/ES2DE.2017.8015355

2- MARFOUA Brahim, Hamza LIDJICI, Brahim LAGOUN, Hamadi KHEMAKHEM: *The DFT (TB-mBJ) calculation of structural, electronic, elastic and vibrational properties of Mg2X(X=Si,Sn)*. TRAMP 2017 NANOMATÉRIAUX : MICROSTRUCTURE ET PROPRIÉTÉS, Hammamet,Tunisia; 03/2017

3- M. Zannen, A. Lahmar, B. Asbani, H. Khemakhem, M. El Marssi, Z. Kutnjak, M. Es Souni: *Electrocaloric effect and Luminescence Properties of Lanthanide doped (Na1/2Bi1/2)TiO3 Lead free Materials*. the first International Symposium on Physics of Data Storage (ISPDS1), Amiens, France; 12/2015

4- H. Kaddoussi, Y. Gagou, A. Lahmar, H. Khemakhem, Z. Kutnjak, M. El Marssi: *Indirect and direct electrocaloric measurements in lead free BCZT ceramics*. Procceding of the first International Symposium on Physics of Data Storage (ISPDS1), Amiens, France; 12/2015

5- H. Kaddoussi, Y. Gagou, A. Lahmar, J-L. Dellis, H. Khemakhem, M. El Marssi: *Sequence of structural transitions and electrocaloric effect in (Ba1-xCax)(Zr0.1Ti0.9)O3 ceramics*. the first International Symposium on Physics of Data Storage (ISPDS1), Amiens, France; 12/2015

6- F. Boujelben, H. Bouzid, F. Bahri, A. Maalej, H. Khemakhem, A. Simon, M. Maglione: *Ferroelectric, piezoelectric, pyroelectric studies on BaTi0.95(Ni1/3Nb2/3)0.05O3 ceramic*. Iop Conference Series: Materials Science and Engineering; 11/2010, DOI:10.1088/1757-899X/13/1/012003