

# Ministère de l'enseignement supérieur et de la recherche scientifique

Etablissement Universitaire: 08 mai 1945 de Guelma

Faculté:MISM

Laboratoire:Physique Des Matériaux (L2PM)

Productions Scientifiques2021								
Publications								
	Titre	Auteurs	Revue	Année	Catégorie de la revue:A+ , A , B-Scopus, B-non Scopus, non classée	Volume	Page	URL
<b>Publications nationales</b>	Ab initio calculations of structuraland electronic properties of tungsten doped rock-salt MgO	Wissem Tayeb Halais Sabah Chettibi	Algerian Journal of Engineering, Architecture and Urbanism	2021	B-Scopus	Volume 5, Part 5, 2021	Pages 839-846	

<b>Publications internationales</b>	First principle investigation of Niobium (Nb) doped MgO	Wissem Tayeb Halais Sabah Chettibi	Materials today proceedings	2021	non classée	Volume 51, Part 7, 2022	Pages 2091- 2095	<a href="https://www.science-direct.com/science/article/pii/S2214785321080251?via%3Dihub">https://www.science-direct.com/science/article/pii/S2214785321080251?via%3Dihub</a>
	Prediction of the Half Metallicity in Ferromagnetic Germanium Telluride (GeTe) Doped with Titanium	Zeyneb Abdelli, Athmane Meddour, Chahrazed Bourouis	Spin	2021	A	11	215- 0003	<a href="https://ui.adsabs.harvard.edu/abs/2021Spin...1150003A/abstract">https://ui.adsabs.harvard.edu/abs/2021Spin...1150003A/abstract</a>
	Systematic, First Principle Study of Ambient Temperature Ferromagnetism and Elastic Anisotropy of Cubic Ca <sub>0.75</sub> TM <sub>0.25</sub> S (TM= Mn, Co, and Ni) Ternary Alloys:Using mBJ Functional	OuafaHamidane, AthmaneMeddour, Mohammed Hadi Gous, ChahrazedBourouis	Journal of Superconductivity and Novel Magnetism	2021	A	34	179-192	<a href="https://link.springer.com/article/10.1007/s10948-020-05706-9">https://link.springer.com/article/10.1007/s10948-020-05706-9</a>
	First-Principles Calculations of Structural, Thermodynamic, and Elastic Properties of Lead Chalcogenides PbX (X= S, Se, and Te) in NaCl (B1) Phase	R Maizi, R Ksouri, A-G Boudjahem, M Derdare	Russian Journal of Inorganic Chemistry	2021	A	66	2084- 2090	<a href="https://link.springer.com/content/pdf/10.1134/S0036023621140023.pdf">https://link.springer.com/content/pdf/10.1134/S0036023621140023.pdf</a>

First principles study of the structural, elastic, electronic and optical properties of the ternary alloys Ca <sub>0.75</sub> Zn <sub>0.25</sub> S and Ca <sub>0.75</sub> Zn <sub>0.25</sub> Se	Mohammed Hadi Gous , B,Boutarfa , H,Meradji , A,Boumaza , R,Khenata	Computational Condensed Matter	2021	A	29	e00600	<a href="https://www.science-direct.com/science/article/abs/pii/S235221432100071X?via%3Dihub">https://www.science-direct.com/science/article/abs/pii/S235221432100071X?via%3Dihub</a>
---	---	--------------------------------	------	---	----	--------	---

## Productions Scientifiques 2021

### Communications

Titre	Auteurs	Intitulé de manifestation	Année	Proceeding de la conférence indexé dans Scopus ( oui /non )	Volume	Page	URL
Propriétés Structurales,Électroniques et magnétiques Du MgS dopé par MT=Fe,Mn	Esmasemassel,Athmane Meddour, Chahrazed Bourouis	1 ère Conférence Nationale sur la Physique des Matériaux et leurs Applications / Alger	2021	non			

**Communications  
nationales**

The effect of tungstensubstution on optoelectronicproperties of ceriumoxide	Aicha Bouhlala , SabahChettibi	1 ère Conférence Nationale sur la Physique des Matériaux et leurs Applications /Alger CNPMA'2021	2021	non			
Study Of The Effect Of The Gold Transition Metal On Magnesium Oxide: Theoretical Investigation	Wissem Tayeb Halais Sabah Chettibi	National Conference on Mechanics & Maintenance 15-16 November 2021	2021	non			
The origin of Half Metallicity in Rocksalt MgO doped with Cu : A density-functional study	Wissem Tayeb Halais Sabah Chettibi	1ère Conférence Nationale sur la Physique des Matériaux et leurs Applications, CNPMA'2021, Alger, Algérie	2021	non			
Full potential investigation of the structural and electronic properties of Ni doping effects in Rock Salt MgO	Wissem Tayeb Halais Sabah Chettibi	1ère Conférence Nationale sur la Physique des Matériaux et leurs Applications, CNPMA'2021 Alger, Algérie	2021	non			

Structural and electronic properties of MgO doped with Re transition metal	Wissem Tayeb Halais Sabah Chettibi	1st National Conference on Applied Science and Advanced Materials NCASAM 2021 ENSET Skikda- Algeria	2021	non			
Calcul Des Propriétés Structurales, Électroniques Et Magnétiques Des Demi-Métaux À Base De	Warda Elaggoune, Athmane Meddour	National Conference on Mechanics and Maintenance Boumerdes/Algeria	2021	non			
Infuence du Dopage au Vanadium sur le Comportement du Semi-conducteur SrS	Warda Elaggoune, Athmane Meddour	1ère Conférence National sur la physique des matériaux et leurs applications (CNPMA'2021) U.S.T.H.B Alger/Algeria	2021	non			
STUDY OF STRUCTURAL, MECHANICAL AND OPTOELECTRONIC PROPERTIES OF CeO <sub>2</sub> : AB INITIO STUDY'	Aicha Bouhlala , SabahChettibi	1 st International Conference on SustainableEnergy and Advanced Materials / Ouargla	2021	non			

	Computational determination of the magneto-electronic properties of $Ce_{1-x}Cu_xO_2$ ( $x=12.5\%$ ): Emerging materials for spintronic devices'	Aicha Bouhlala , SabahChettibi	1st International Conference on Computational & Applied Physics – ICCAP/ Blida	2021	non			
	Study of structural,electronic,magnetic properties of Cr doped MgS in Rock-Salt structure	Esmasemassel,Athmane Meddour, Chahrazed Bourouis	1st International Conference on Sustainable Energy and Advanced Materials IC-SEAM'21 April 21-22, 2021, Ouargla, ALGERIA	2021				
	The magnetic and elastic properties of the Cr-doped MgS compound in Rock-Salt structure	Esmasemassel,Athmane Meddour, Chahrazed Bourouis	2ème Séminaire international sur les sciences de la matière (chimie,physique)Head office: A.N.E.A.U Association, U.S.T.Oran 31000, Algeria	2021				
	First principle study of structural, electronic and magnetic properties of Molybdenum-doped $CeO_2$ '	Aicha Bouhlala , SabahChettibi	2ème Séminaire international sur les sciences de la matière (physique et chimie) / Oran	2021	non			

Effects of Pd Substitution on the Electronic Structure and Magnetic Properties of CeO <sub>2</sub> Oxide'	Aicha Bouhlala	The 9th International Symposium on Applied Engineering and Sciences / Malisia	2021	non			
Investigation of Structural, Elastic and Thermodynamic Properties of CeO <sub>2</sub> : A DFT-Based on Simulation	Aicha Bouhlala	The 717. WE. Hereaeus Seminar on 'Curvilinear Condensed Matter, Fondamentals and Applications / Germany	2021	non			
Ab-initio study of the structural, magnetic and electronic properties of Ce <sub>0.75</sub> W <sub>0.25</sub> O <sub>2</sub> : spintronic application'	Aicha Bouhlala	The 725. WE. Hereaeus Seminar on 'Magnetic Small Angle Neutron Scattering from Nano scale Magnetism to long-Range Magnetic Structures' / Germany	2021	non			

The role of transition metals (Mo, W) in magnetic properties of doped CeO <sub>2</sub> : First-principle scharacterization'	Aicha Bouhlala	The 726. WE.Heraeus Seminar on 'Lattice-based Quantum Simulation' / Germany	2021	non			
Systematic study of structural and magnetoelectronic properties	Warda Elaggoune, Athmane Meddour	1st International Conference on Elecetronics, Artificial Intelligence, and new technologies	2021	non			
Electronic structure and ferromagnetic properties of doped strontium sulfide Sr <sub>0,875</sub> TM <sub>0,125</sub> S (TM= Ti, V, and Cr)	Warda Elaggoune, Athmane Meddour	1st International Visio Conference on Matrials Science and Engineering (ICMSE) Khenchela/ Algeria	2021	non			
First principles study of induced half-metallicity in SrS <sub>1-x</sub> C <sub>x</sub>	Warda Elaggoune, Athmane Meddour	1st International Conference on Applied Engineering and Natural Sciences (ICAENS) Konya/Turkey	2021	non			



**Communications  
internationales**

N and P doping effects on structural, electronic, and magnetic	Warda Elaggoune, Athmane Meddour	1st International Conference on Applied Engineering and Natural Sciences (ICAENS) Konya/Turkey	2021	non			
Structural and electro-magnetic properties of B- and C-doped SrS	Warda Elaggoune, Athmane Meddour	2nd International Conference on Advances in Materials Science (AIMS2021) Lahore/Pakistan	2021	non			
Induced spin polarization in strontium sulfide doped with 2p elements	Warda Elaggoune, Athmane Meddour	Séminaire International sur les Sciences de la Matière (Physique et Chimie) Oran/Algeria	2021	non			
Analysis of Electronic Structure and Magnetic Properties of Vanadium Doped Rock-salt SrS: Theory and Simulations	Warda Elaggoune, Athmane Meddour	1st International Conference on Sustainable Energy and Advanced Materials (IC-SEAM'21)	2021	non			
Simulating Role of Chromium in II-VI (SrS) for Half-metallicity and Ferromagnetism	Warda Elaggoune, Athmane Meddour	1st International Conference on Energy Transition and Security (ICETS'21) Adrar/Algeria	2021	non			

Computational Study of Dopage of Cr in Strontium Chalcogenide matrix for Energy Storage Applications	Warda Elaggoune, Athmane Meddour	1st International Congress on Pure and Applied Sciences (ICPAS'21) Meknes/Morocco	2021	non			
Spin orbit studies of Electronic Structural and Elastic properties of MgO	Sabah Chettibi Wissem Tayeb Halais	The first International Conference on Energy, Thermofluids and	2021	non			
First principle investigation of TM (Cr, Ni) doping on FeTe <sub>2</sub> monolayer properties	Chibani Hosay, Yahi Hakima	Séminaire International sur les Sciences de la Matière (Physique et Chimie)	2021	non			
For participating in AIMS 2021	Hosayn Chibani	2nd international conference on advances in materials science	2021	non			
The Electronic Structural and Elastic properties of MgO Based on GGA-mBJ and LDA-mBJ	Wissem Tayeb Halais Sabah Chettibi	1st International Conference on Sustainable Energy and Advanced Materials, IC-SEAM'21 April 21-22, 2021, Ouargla, ALGERIA.	2021	non			

Ab initio calculations of structural and electronic properties of tungsten doped rock-salt MgO	Wissem Tayeb Halais Sabah Chettibi	SÉMINAIRE INTERNATIONAL SUR LES SCIENCES DE LA MATIERE (PHYSIQUE ET CHIMIE) Le 17 et 18 Septembre 2021	2021	non			
First principle investigation of the Niobium (Nb) doped MgO at Low Concentration	Wissem Tayeb Halais Sabah Chettibi	First Maghrebien Conference for Renewable Energies and their Applications, FMCREA21 October 26-27, 2021	2021	non			

**Visas et Signature du Directeur de Laboratoire**

**Visas et Signature du Doyen**