

Liste des productions scientifiques (publications, communications,...)

Année 2022

Etablissement Universitaire: Université 8 Mai 1945 de Guelma
 Faculté: Mathématique, Informatique et Sciences de la Matière
 Laboratoire: Physique Des Matériaux (L2PM)

<i>Productions Scientifiques 2022</i>								
<i>Publications</i>								
	<i>Titre</i>	<i>Auteurs</i>	<i>Revue</i>	<i>Année</i>	<i>Catégorie de la revue: A+ , A , B- Scopus, B- non Scopus, non classée</i>	<i>Volume</i>	<i>Page</i>	<i>URL</i>
<i>Publications internationales</i>	<i>Tuning the magnetic properties of FeTe₂ monolayer doped by (TM: V, Mn, and Co)</i>	<i>Hosayn Chibani Hakima Yahi Chaouki Ouettar</i>	<i>Journal of Magnetism and Magnetic Materials</i>	<i>2022</i>	<i>A</i>	<i>552</i>	<i>169204-169208</i>	<i>https://doi.org/10.1016/j.jmmm.2022.169163</i>
	<i>Tuning the magnetic and electronic properties of MoI₃ monolayer by 3d transition metal doping: A first-principles study</i>	<i>Chaouki Ouettar Hakima Yahi Hosayn Chibani</i>	<i>Journal of Magnetism and Magnetic Materials</i>	<i>2022</i>	<i>A</i>	<i>551</i>	<i>169163-169173</i>	<i>https://doi.org/10.1016/j.jmmm.2022.169163</i>

Publications internationales	<p>Revealing structural, mechanical, and electronic properties of M4C3 (M = Sc, Ti, Zr, Mo, Hf, and W) MXene monolayers based on first-principle calculations</p>	<p>Hosayn Chibani Hakima Yah Nafeesa Arshad Chaouki Ouettar</p>	<p>Computational Condensed Matter</p>	<p>2022</p>	<p>B-Scopus</p>	<p>32</p>	<p>e00713-e00720</p>	<p>https://doi.org/10.1016/j.cocom.2022.e00713</p>
	<p>Ab Initio Study on Structural, Elastic, and Thermodynamic Properties of Manganese Chalcogenides MnX (X= S and Se) in NaCl Phase under Pressure</p>	<p>R Ksouri, R Maizi, I Djaghout, A-G Boudjahem, M Dardare</p>	<p>Russian Journal of Inorganic Chemistry</p>	<p>2022</p>	<p>A</p>	<p>193-200</p>	<p>67 n° 2</p>	<p>https://link.springer.com/content/pdf/10.1134/S0036023622020139.pdf</p>
	<p>Silver impurities effects on CeO2 structural, electronic,</p>	<p>Aicha Bouhlala, Wissam Tayeb Halayes, Malika Doghmane, Sabah Chettibi</p>	<p>THE EUROPEAN PHYSICAL JOURNAL B</p>	<p>2022</p>	<p>A</p>	<p>95</p>	<p>174</p>	<p>https://doi.org/10.1140/epjb/s10051-022-00437-3</p>

Publications internationales

<p>Structural, Elastic, Electronic, and Thermodynamic Properties of A_2TiCl_6 ($A = Li, Na$ and Rb) Compounds: DFT Investigation</p>	<p>Ilhem Djaghout, Rafik Maizi, Rabah Ksouri, Abdel Ghani Boudjahem, Meryem Derdare</p>	<p>Russian Journal of Inorganic Chemistry</p>	<p>2022</p>	<p>A</p>	<p>67 Suppl 1</p>	<p>S42-S51</p>	<p>https://link.springer.com/content/pdf/10.1134/S0036023622601325.pdf</p>
<p>Study of Structural, Elastic and Thermodynamic Properties of Metal Carbides MC ($M = Ir, Rh$ and Ru) Using First-Principles Calculations</p>	<p>R Ksouri, R Maizi, A-G Boudjahem, I Djaghout, M Derdare, R Merdes</p>	<p>Physics of Metals and Metallography</p>	<p>2022</p>	<p>A</p>		<p>1 11</p>	<p>https://link.springer.com/content/pdf/10.1134/S0031918X21101129.pdf</p>
<p>First-principles computational study on structural, elastic, magnetic, electronic, and thermoelectric properties of Co_2MnGe: a potential Heusler ternary compound</p>	<p>R Amraoui, S Kadri, H Meradji, M Berkani, A Bouaricha, S Ghemid, A Boumaza, Muhammad Anjum Javed, R Ahmed</p>	<p>The European Physical Journal B</p>	<p>2022</p>	<p>B</p>	<p>95 N° 12</p>	<p>198</p>	<p>https://link.springer.com/content/pdf/10.1140/epjb/s10051-022-00466-y.pdf</p>

Publications internationales	<p>Structural, Elastic Stability, Electronic, and Magnetic Properties of the Quaternary Heusler Alloy CoMnVSi: An Ab Initio Study</p>	<p>Malika Doghmane, Rabie Amraoui, Sabah Chettibi, Debra F Laefer</p>	<p>Russian Journal of Physical Chemistry A</p>	<p>2022</p>	<p>A</p>	<p>96 n° 10</p>	<p>2166-2172</p>	<p>https://link.springer.com/content/pdf/10.1134/S0036024422100077.pdf</p>
	<p>Study of Structural, Elastic, Thermal and Transport Properties of Ternary X(X=Co, Rh and Ir)MnAs Obtained by DFT</p>	<p>Salim Kadria, Tourab Mohamed, Berkani Mahièddine, Amraoui Rabie, Bordjiba Zeyneb</p>	<p>East European Journal of Physics</p>	<p>2022</p>	<p>B</p>	<p>1</p>	<p>47-57</p>	<p>DOI: 10.26565/2312-4334-2022-1-07</p>
	<p>Confocal magnetron sputtering deposition of Cu/AZO bilayer structures</p>	<p>N.E.A. Doghmane S. Chettibi F. Challali A. Chelouche T. Touam</p>	<p>Journal of Materials Science: Materials in Electronics</p>	<p>2022</p>	<p>A</p>	<p>33</p>	<p>26717-26727</p>	<p>https://doi.org/10.1007/s10854-022-09338-8</p>
	<p>Structural, Mechanical and Thermodynamic properties of Manganese Monocarbide (MnC) in ZnS phase under High Pressure: a DFT Study</p>	<p>Ilhem Djaghout, Rabah Ksouri, Rafik Maizi, Abdel Ghani Boudjahem, Meryem Dardare</p>	<p>Asian Journal of Research in Chemistry</p>	<p>2022</p>	<p>A</p>	<p>15 n° 6</p>	<p>422-428</p>	<p>https://www.proquest.com/openview/21f67d3ec1f4a627478b89c10043a3c2/1?pg-origsite=gscholar&cb1=1096446</p>

<i>Productions Scientifiques2022</i>								
<i>Communications</i>								
	<i>Titre</i>	<i>Auteurs</i>	<i>Intitulé de manifestation</i>	<i>Année</i>	<i>Proceeding de la conférence indexé dans Scopus (oui /non)</i>	<i>Volume</i>	<i>Page</i>	<i>URL</i>
<i>Communications nationales</i>	<i>First-principles investigations of structural, electronic and elastic properties of CrN4 monolayer</i>	<i>Hosayn Chibani, Yahi Hakima</i>	<i>The first national online conference On materials physics /9 June 2022 ELTARF-ALGERIA</i>	<i>2022</i>	<i>non</i>			
	<i>First-principles investigations of structural, electronic and elastic properties of FeN4 monolayer</i>	<i>Hosayn Chibani, Yahi Hakima</i>	<i>Première rencontre sur la modélisation et la simulation numériques en physique des matériaux /13 December Sidi Bel Abbes Algeria</i>	<i>2022</i>	<i>non</i>			

Communications nationales	<p><i>First-principles investigations of structural, electronic and elastic properties of VN4 monolayer</i></p>	<p><i>Hosayn Chibani, Yahi Hakima</i></p>	<p><i>First National Conference on Science & Technology (1st NCST22) /27-28 June, Mascara, Algeria</i></p>	<p>2022</p>	<p>non</p>			
	<p><i>First-principles investigations of structural, electronic and elastic properties of MoN4 monolayer</i></p>	<p><i>Hosayn Chibani, Yahi Hakima</i></p>	<p><i>Scientific day on chemistry, materials and environment /2 December 2022 Univeristy center of Tipaza</i></p>	<p>2022</p>	<p>non</p>			
	<p><i>1st National Conference on Materials Sciences and Engineering</i></p>	<p><i>Warda Elaggoune, Athmane Meddour, Chahrazed Bourouis</i></p>	<p><i>The impact of nitrogen doping on the magneto-electronic and optical properties of strontium sulfide</i></p>					
	<p><i>Tuned electronic and magnetic properties in 3d transition metal doped FeI3 monolayer: a first-principles study</i></p>	<p><i>Chaouki Ouettar, Hakima Yahi</i></p>	<p><i>The first national online conference on materials physics</i></p>	<p>2022</p>	<p>non</p>			

<i>Communications nationales</i>	<i>Tuned electronic and magnetic properties in 3d transition metal doped MoI3 monolayer: a first-principles study</i>	<i>Chaouki Ouettar, Hakima Yahi</i>	<i>1st National Conference on Materials Sciences and Engineering</i>	<i>2022</i>	<i>non</i>			
	<i>Doping and co-Doping Impact on the Structural, Electronic and Magnetic properties of CeO2 : based on first principle calculation</i>	<i>BENMALEK Aida CHETTIBI Sabah</i>	<i>National Conference on Material Physics and Fluids (CPMF-2022) In the prestigious city of Oran (Algeria)</i>	<i>2022</i>	<i>non</i>			

Communications internationales	<p>Electronic and magnetic properties of TMdoped CeO₂ compound through density functional theory calculations</p>	Bouhlala Aicha	<p>1st International Conference on Engineering, Natural and Social Sciences ICENSOS 2022 in Konya, Turkey</p>	2022	non			
	<p>First-principle investigation of structural, electronic, and elastic properties of WN₄ monolayer</p>	YAHY Hakima	<p>1st International Conference on Scientific and Academic Research ICSAR'2022 December 10 - 13, 2022 in Konya, Turkey</p>	2022	non			https://www.icsarconf.com/
	<p>First principle investigation of structural, electronic, and elastic properties of NiN₄ monolayer</p>	YAHY Hakima	<p>1st International Conference on Engineering, Natural and Social Sciences ICENSOS2022 December 20 - 23, 2022 in Konya, Turkey.</p>	2022	non			https://www.icensos.com/

<i>Communications internationales</i>	<i>Structural and electronic properties of Ti4C3 monolayer a First principle study</i>	<i>YAH I Hakima</i>	<i>1st International Conference on Engineering, Natural and Social Sciences ICENSOS2022 December 20 - 23, 2022 in Konya, Turkey.</i>	<i>2022</i>	<i>non</i>			https://www.icensos.com/
	<i>First-principle investigation of structural, electronic, and elastic properties of WN4 monolayer</i>	<i>YAH I Hakima</i>	<i>1st International Conference on Scientific and Academic Research ICSAR'2022 December 10 - 13, 2022 in Konya, Turkey</i>	<i>2022</i>	<i>non</i>			https://www.icensos.com/
	<i>Effect of Rare Earth (Tm) on Electronic and Magnetic Properties of Doped CeO2 by DFT Study</i>	<i>Bouhlala Aicha</i>	<i>1st International Conference on Scientific and Academic Research 2022 it Konya/Turkey.</i>	<i>2021</i>	<i>non</i>			

<i>Communications internationales</i>	<i>Insight into structural and magnetoelectronic properties of $Ce_{1-x}Ag_xO_2$ (x=12.5%) : A density functional theory study</i>	<i>Bouhlala Aicha</i>	<i>1st International Conference on Engineering, Natural and Social Sciences ICENSOS 2022 in Konya, Turkey</i>	<i>2022</i>	<i>non</i>			
	<i>Investigation of the optoelectronic properties of $CeAgO_2$ system using firstprinciples calculations</i>	<i>Bouhlala Aicha</i>	<i>1st International Conference on Engineering, Natural and Social Sciences ICENSOS 2022 in Konya, Turkey</i>	<i>2022</i>	<i>non</i>			
	<i>New ferromagnetic half-metallic perovskite $TlMgO_3$ for spintronic application</i>	<i>Boualleg Cheyma Meddour Athmane</i>	<i>3rd International Conference on Applied Engineering and Natural Sciences on 20-23 July in 2022 at Konya/Turkey.</i>	<i>2022</i>	<i>non</i>			

Communications internationales	AN INVESTIGATION OF STRUCTURAL, ELECTRONIC AND MAGNETIC PROPERTIES OF FERROMAGNETIC HALF-METALLIC NANIO3 USING LSDA+U	Cheyma Boualleg Athmane Meddour Esma semassel	THE 1ST INTERNATIONAL CONFERENCE ON RENEWABLE MATERIALS AND ENERGIES ICRME2022 October 26-27, 2022, OUARGLA-ALGERIA	2022	non			
	FIRST THEORETICAL STUDY OF THE ELECTRONIC AND MAGNETIC PROPERTIES OF MG0.75CO0.25S	Esma semassel Athmane Meddour Cheyma Boualleg	THE 1ST INTERNATIONAL CONFERENCE ON RENEWABLE MATERIALS AND ENERGIES ICRME2022 October 26-27, 2022, OUARGLA-ALGERIA	2022	non			
	Structural, electronic, magnetic and elastic properties of perovskite type oxides PuNiO3	Cheyma Boualleg Athmane Meddour	4th International Conference on Applied Engineering and Natural Sciences on 10-13 November in 2022 at Konya/Turkey.	2022	non			

Communications internationales	<p>New Half-Metal Perovskite AcNiO_3 for Spintronic Applications</p>	<p>Cheyma Boualleg Athmane Meddour Esma semassel</p>	<p>1st International Conference on Engineering, Natural and Social Sciences ICENSOS 2022 on December 20 - 23, 2022 in Konya, Turkey</p>	<p>2022</p>	<p>non</p>			
	<p>Investigation of Structural, Electrical and optical properties of $\text{Mg}_{1-x}\text{Mn}_x\text{S}$</p>	<p>Esma Semassel, Athmane Meddour</p>	<p>The 4th International Conference on Electromechanical Engineering (ICEE2022) on December 13-14, 2022 at the university of Skikda, Algeria.</p>	<p>2022</p>	<p>non</p>			
	<p>Study of structural, electronic and magnetic properties of $\text{MgTM}_{0.25}\text{S}$ (TM= Sc, Nb).</p>	<p>Esma Semassel, Athmane Meddour Hadjer Frioui</p>	<p>3rd International Conference on Applied Engineering and Natural Sciences on 20-23 July in 2022 at Konya/Turkey.</p>		<p>non</p>			

Communications internationales

<p>Theoretical Investigation of the Structural, Mechanical, Electronic, and Magnetic Properties of new Quaternary Heusler Compound VScRhGe.</p>	<p>Esma Semassel, Athmane Meddour Hadjer Frioui</p>	<p>3rd International Conference on Applied Engineering and Natural Sciences on 20-23 July in 2022 at Konya/Turkey.</p>	<p>2022</p>	<p>non</p>			
<p>Structural electronic and magnetic studies of perovskite PaNiO_3 by first principle DFT_GGA+U calculation</p>	<p>Esma Semassel Athmane Meddour Cheyma Boualleg</p>	<p>1st International Conference on Engineering, Natural and Social Sciences ICENSOS 2022 on December 20 - 23, 2022 in Konya, Turkey</p>	<p>2022</p>	<p>non</p>			
<p>Comparative investigation of $\text{Mg}_{0.75}\text{Eu}_{0.25}\text{S}$ properties by GGA+U and $\text{Tb}_{\gamma}\text{mbj}$.</p>	<p>Esma Semassel Athmane Meddour Cheyma Boualleg</p>	<p>1st International Conference on Engineering, Natural and Social Sciences ICENSOS 2022 on December 20 - 23, 2022 in Konya, Turkey</p>	<p>2022</p>	<p>non</p>			

Communications internationales	<p>PHASE STABILITY, MAGNETIC, ELECTRONIC, HALF-METALLIC AND MECHANICAL PROPERTIES OF A NEW EQUIATOMIC QUATERNARY HEUSLER COMPOUND VSCRHSN: A FIRST-PRINCIPLES INVESTIGATION</p>	<p>Hadjer Frioui, MEDDOUR Athmane</p>	<p>THE 1ST INTERNATIONAL CONFERENCE ON RENEWABLE MATERIALS AND ENERGIES ICRME2022 October 26-27, 2022, OUARGLA-ALGERIA</p>	<p>2022</p>	<p>non</p>			
	<p>First principles study of structural, electronic and magnetic properties of new Equiatomic Quaternary Heusler Alloy VTiRhP.</p>	<p>Hadjer Frioui, MEDDOUR Athmane</p>	<p>1st International Conference on Scientific and Academic Research on 10-13 December in 2022 at Konya/Turkey,</p>	<p>2022</p>	<p>non</p>			
	<p>Investigation of the structural, electronic, magnetic, and elastic properties of Co₂FeBe Heusler compound: A DFT-based simulation</p>	<p>Hadjer Frioui</p>	<p>1st International Conference on Applied Chemistry and Renewable Energies (ACREIC 2022, 26th-28th NOV 2022)</p>	<p>2022</p>	<p>non</p>			

<i>Communications internationales</i>	<i>First-principles investigations of structural, electronic and elastic properties of WN4 monolayer</i>	<i>Hosayn Chibani, Yahi Hakima</i>	<i>1st International Conference on Scientific and Academic Research/ 10-13 December Konya, Turkey</i>	<i>2022</i>	<i>non</i>			
	<i>First-principles investigations of structural, electronic and elastic properties of NiN4 monolayer</i>	<i>Hosayn Chibani, Yahi Hakima</i>	<i>1st International Conference on Engineering, Natural and Social Sciences/ 20-23 December Konya, Turkey</i>	<i>2022</i>	<i>non</i>			
	<i>First-principles investigations of structural, electronic and elastic properties of CoN4 monolayer</i>	<i>Hosayn Chibani, Yahi Hakima</i>	<i>4th International Conference on Applied Engineering and Natural Sciences/ 10-13 November, Konya, Turkey</i>	<i>2022</i>	<i>non</i>			

Communications internationales	1 st international conference on chemical matters and environment preservation , Ouargla, Algeria	Warda Elaggoune, Athmane Meddour, Chahrazed Bourouis	An Investigation of Optoelectronic Properties of the Semiconductor SrS: B	2022	non			
	Algerian American Foundation Summer University 2022	Warda Elaggoune	The Renewable Energies program	2022	non			
	Tuning the Electronic and Magnetic Properties of TM (TM = Sc and Ti) Doped FeI3 Monolayer	Chaouki Ouettar, Hakima Yahi	1st international conference on chemical matters and environment preservation	2022	non			

Communications internationales

<p>An Ab-initio investigation of structural, electronic, and optical properties of Co doped TiO₂ for photocatalytic application</p>	<p>N.E.A. Doghmane, W. Tayed Halais, M. Doghmane, T. Touam S. Chettibi</p>	<p>ICESD-2022: International Congress of Engineering & Sustainable Development. December 27 -> 29 2022 - Monastir, Tunisia</p>	<p>2022</p>	<p>non</p>			
<p>Computational study of doped MgO with 4d transition metal for spintronic devices</p>	<p>N.E.A. Doghmane, M. Doghmane, S. Chettibi</p>	<p>ICESD-2022: International Congress of Engineering & Sustainable Development. December 27 -> 29 2022 - Monastir, Tunisia</p>	<p>2022</p>	<p>non</p>			
<p>Comparative study of structural, electronic and optical properties of TiO₂ polymorphs</p>	<p>M. Doghmane, N.E.A. Doghmane R. Amraoui S. Chettibi</p>	<p>Inno-MSD: 1st International Conference on Innovative Materials for Sustainable Development. December 13 -> 15 2022 - Annaba, Algeria</p>	<p>2022</p>	<p>non</p>			

Communications internationales

<p>Preparation and characterization of copper/aluminum doped zinc oxide bilayers for photovoltaic applications</p>	<p>W. Tayed Halais N.E.A. Doghmane O. Hassayoun S. Chettibi</p>	<p>EMS2022: International Conference on Energy and Materials Sciences. November 16 -> 17 2022- Skikda, Algeria</p>	<p>2022</p>	<p>non</p>			
<p>Accurate evaluation of zinc oxide physical properties for energy applications</p>	<p>N.E.A. Doghmane W. Tayed Halais M. Doghmane T. Touam S. Chettibi</p>	<p>" ICESD-2022: International Congress of Engineering & Sustainable Development. December 27 -> 29 2022 - Monastir, Tunisia</p>	<p>2022</p>	<p>non</p>			
<p>Investigation of rutile titanium dioxide structural, electronic and optical properties</p>	<p>N.E.A. Doghmane M. Doghmane S. Chettibi</p>	<p>ICESD-2022: International Congress of Engineering & Sustainable Development. December 27 -> 29 2022 - Monastir, Tunisia</p>	<p>2022</p>	<p>non</p>			

Communications internationales	<p>DFT analysis of the titanium substitution effect on the half-metallic ferromagnetic properties of MgO alloys for spintronic applications</p>	<p>BENMALEK Aida DOUGHMANE Malika CHETTIBI Sabah</p>	<p>the 1st INTERNATIONAL CONFERENCE ON APPLIED CHEMISTRY AND RENEWABLE ENERGIES ALGERIA-2022</p>	<p>2022</p>	<p>non</p>			
	<p>Oxygen Vacancy Generation and Stabilization in ceria doped by Zn on the fundamental properties: An ab-initio DFT study</p>	<p>BENMALEK Aida DOUGHMANE Malika CHETTIBI Sabah</p>	<p>1st International Conference on Scientific and Academic Research Konya/Turkey</p>	<p>2022</p>	<p>non</p>			
	<p>Structural and electronic of TiC3 monolayer a First-principles study</p>	<p>Hosayn Chibani, Yahi Hakima</p>	<p>1st International Conference on Engineering, Natural and Social Sciences/ 20-23 December Konya, Turkey</p>	<p>2022</p>	<p>non</p>			