

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

Année 2023

Etablissement Universitaire: Université 8 Mai 1945 de Guelma  
 Faculté: Mathématiques, Informatique et Sciences de la Matière  
 Laboratoire de Physique à Guelma (LPG)

<i>Productions Scientifiques 2023</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>Emergent properties resulting from type-II band alignment in a new lateral (-PbO/-SnO) heterostructure</i>	<i>A. Backhtatou, A. Hamidani, K. Zanat, Yasemin O. Ciftci, I. K. Durican, F. Ersan</i>	<i>Journal of Physics and Chemistry of Solids</i>	<i>2023</i>	<i>A</i>	<i>183</i>	<i>111654</i>	<a href="https://www.science-direct.com/science/article/abs/pii/S0022369723004444">https://www.science-direct.com/science/article/abs/pii/S0022369723004444</a>
	<i>Effect of Sr substitution on the structural, electronic and thermoelectric properties of the Zintl-phase compound BaZn<sub>2</sub>Sb<sub>2</sub></i>	<i>B Bennecer, A Hamidani, K Zanat</i>	<i>Physica Scripta</i>	<i>2023</i>	<i>A</i>	<i>98 (6)</i>	<i>65910</i>	<a href="https://iopscience.iop.org/article/10.1088/1402-4896/acfd0/meta">https://iopscience.iop.org/article/10.1088/1402-4896/acfd0/meta</a>

Publications internationales	Tuned electronic and magnetic properties in 3d transition metal doped VC13 monolayer: a first-principles study	C Ouettar, K Zanat, H Chibani, H Yahy,	Physica Scripta	2023	A	98 (2)		<a href="https://scholar.google.com/citations?view_op=view_citation&amp;hl=en&amp;user=gwh_ywAAAAJ&amp;sortby=pubdate&amp;citation_for_view=gwh_ywAAAAJ:YsMSGlbcyi4">https://scholar.google.com/citations?view_op=view_citation&amp;hl=en&amp;user=gwh_ywAAAAJ&amp;sortby=pubdate&amp;citation_for_view=gwh_ywAAAAJ:YsMSGlbcyi4</a>
	Doping induced phase transition, elastic, electronic, vibrational and thermal properties of LiBeAl-x Sbx (A= P and As)	Badis Bennecer, Nassima Guechi, Saliha Karfaf	Philosophical Magazine	2023	A	103 (17)	1664	<a href="https://www.tandfonline.com/doi/full/10.1080/14786435.2023.2209337">https://www.tandfonline.com/doi/full/10.1080/14786435.2023.2209337</a>

<i>Productions Scientifiques 2023</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>
Computational study of photocatalysts for water splitting hydrogen production: twodimensional InSe monolayer	Zakaria KOREI, CHAOUI Khawla, kamel ZANAT	Computational and Applied Physics Symposium 202	2023				
Study of structural , electronic and optical properties of the stable SiS2 and SiSe2 under biaxial strain: First-principles prediction	CHAOUI Khawla	الملتقى الوطني الثالث للفيزياء والكيمياء التطبيقية	2023				<a href="https://icirmn-2023.sciencesconf.org/">https://icirmn-2023.sciencesconf.org/</a>
ab-intio study of the magnetic-optical properties of transition metal palladium compounds	O, Benamara, D,Heciri	2nd National Conference on Applied Science and Advanced Materials, NCASAM-2023, October 23-25, 2023 - ENSET-Skikda	2023				<a href="https://jobs-usf.info/2nd-national-conference-on-applied-science-and-advanced-materials-october-23-25-2023/">https://jobs-usf.info/2nd-national-conference-on-applied-science-and-advanced-materials-october-23-25-2023/</a>

*Communications nationales*

Communications internationales	Structural, elastic and vibrational properties of KCuSe and KCuTe	Badis Bennecer	International Conference on Nonlinear Science and Complexity (ICNSC/L2023)	2023	oui			<a href="https://ntmsci.com/Conferences/ICNSC2023">https://ntmsci.com/Conferences/ICNSC2023</a>
	Theoretical Design of a new lateral heterostructure ( $\alpha$ -PbO)/( $\alpha$ -SnO)	Ali Hamidani	1st International Conference on Innovation Research in Materials and Nanotechnology (ICIRMN 2023), November 29-30, 2023/ Ghardaia, Algeria	2023				<a href="https://icirmn-2023.sciencesconf.org/">https://icirmn-2023.sciencesconf.org/</a>
	Design of a new photo-diode based on ( $\alpha$ -PbO)/( $\alpha$ -SnO) lateral heterostructure	Ali Hamidani	The 2nd International Conference of Nanotechnology for Environmental Protection and Clean Energy Production, October, 9-10, 2023 Constantine, Algeria	2023				<a href="https://www.2nd-international-conference-of-nanotechnology-for-environmental-protection-and-clean-energy-production-october-9-10-2023-constantine-algeria">The 2nd International Conference of Nanotechnology for Environmental Protection and Clean Energy Production, October, 9-10, 2023 Constantine, Algeria</a>
	TEM Study of Precipitation Hardening and Dispersoid Particles in an Al-Mg-Si Alloy	Brahim Belfarhi, Fares Serradj, Bariza Bouterfa	International Conference on Nonlinear Science and Complexity (ICNSC/L2023)	2023	oui			<a href="https://ntmsci.com/Conferences/ICNSC2023">https://ntmsci.com/Conferences/ICNSC2023</a>

Communications internationales	Study of the thermal and mechanical properties of an Al-4%Cu Aluminum alloy	Bariza Boutarfa	International Conference on Nonlinear Science and Complexity	2023	oui			<a href="https://ntmsci.com/Conferences/ICNSC2023">https://ntmsci.com/Conferences/ICNSC2023</a>
	First Principles Study of the Structural, Magnetic and Magneto-optical Properties of The Compound PdCo	O. Benamara	5th International Conference on Applied Engineering and Natural Sciences on 10-12 July in 2023 at Konya/Turkey.	2023				<a href="https://www.icaens.com/">https://www.icaens.com/</a>
	Study of the deformation phenomenon in a ternary Al-Mg-excess-Si Aluminum alloy	Brahim Belfarhi						<a href="https://ntmsci.com/Conferences/ICNSC2023">https://ntmsci.com/Conferences/ICNSC2023</a>
	The electronic, elastic and optical properties of SiSn	C.S. Bouaita, B. Bennecer	4th International Conference on Engineering and Applied Natural Sciences on 20-21 November in 2023 at Konya/Turkey	2023				<a href="https://www.iceans.org/">https://www.iceans.org/</a>
	Study of the structural and mechanical behavior of thin layers	M, Mella, C.S. Bouaita	4th International Conference on Engineering and Applied Natural Sciences on 20-21	2023				<a href="https://www.iceans.org/">https://www.iceans.org/</a>