

5th International Conference on Smart Materials and Spectroscopy (SMS'2022) June 24 - 26, 2022 – Monastir, Tunisia

Scientific Program

	Thursday 23 June 2022
15h-19h	Reception and Registration
	Friday 24 June 2022
8h30-9h	Opening:
	Chairs: Samir GUERMAZI/ Mohamed GARGOURI/ Essebti DHAHRI
	Plenary Conferences (Hall 1)
9h-9h45	Multifunctional intermetallic materials
911-911-13	Lotfi BESSAIS
	Paris-East Creteil University, France
	Plenary Conferences (Hall 1)
9h45-10h30	Improving ductility in metallic glasses: A long-standing challenge
	Fathollah VARNIK
	Interdisciplinary Centre for Advanced Materials Simulation (CAMS) Ruhr-University Bochum, Universitätsstraße 150, 44801 Bochum, Germany

10h30-11h		Coffee bre	ak			
	Oral Presentations					
Topics	Optical Materials and Laser Technology	Dielectric Materials and Nanocomposites	Magnetic and Multiferroic Materials	Energy and mechanic storage Semiconductors and nanotechnology		
	Hall 1: Chairman Hajer TOUNSI GERMAZI	Hall 2: Chairman Essebti DHAHRI	Hall 3: Chairman Mohamed ELLOUZE	Hall 4: Chairman Mohamed GARGOURI		
11h-11h10	Khouloud ABIEDH CsPbBr ₃ microcrystals grown on Functionals substrates for photodetection application	Ghada RADDAOUI Study of structural, electrical, dielectric and optical proprieties of half-doped perovskite DyTi0.5Mn0.5O3	Ahlem BOUAIZIZI Structural, magnetic, magnetocaloric, and critical behaviour of La0.67Ba0.22Sr0.11Mn0.95Ti0.05O3 nano powder	Jalel MASSOUDI Structural and dielectric properties of size-controlled Li-ferrite nanoparticles		
11h10-11h20	Ali BEN AHMED A Theoretical Perspective on Strategies for Modeling High Performance Nonlinear Optical Materials	Issa ELHADA Study of structural,optical and electrical properties of nanoparticules spinel Co _{0.5} Fe _{2.5} O ₄	Sihem MRABET Structural, optical and magnetic properties of vanadium doped ZnO nanopowder prepared by a modified sol-gel method	Balkis ABDELAZIZ Intra-molecular charge transfer effect on linear and nonlinear optical properties in sulfide group para-substitued nitrobenzofurazan moiety: A DFT computational investigation		
11h20-11h30	Ferid BEN NASR Iron doping effect on structural and optical properties of Cu ₃ (OH) ₄ SO ₄ compound	Darine HARRABI Effects of sintering temperature on structural and dielectric studies of Mg0.6Co0.2Cu0.2FeCrO4 spinel ferrite	Abir ARFA Study of the effect of annealing on the physical properties of the vacancy compound in site A La0.8□0.2MnO3	Boutheina ABDELLAOUI Elaboration and characterization of new compounds La0.8Pb0.1Ca0.1Fe1-x CoxO3 for gas detection of NO2		
11h30-1140h	Hayet JELLELI Doping effect on the structural and optical properties of organic inorganic hybrid perovskites (DMA Cd _{1-x} MxCl ₃ with DMA= (CH3) ₂ NH ₂ and M = Cu)	AMIRA SAIDI Effect of Ca ²⁺ / Y ³⁺ co-doping on electrical and dielectric properties of BaTiO ₃ ceramic	Rim LASSOUED Magnetic and magnetocaloric properties of neodymium manganites with monovalent elements doping at A-site	Kawthar TRABELSI Enhancing the microstructure and electrochemical mechanism in Na ₂ Co _{1-x} Fe _x SiO ₄ cathode material for sodium ion batteries		

	Najet KHLIFI	Sourour BEN YAHYA	Rawen CHAABOUNI	Alassane DIAW
	Structural and optical proprieties of	Characterization of the structure	Improvement of magnetocaloric	Optimization of Antireflective
	Co-doped ZnO thin films based on	and electrical properties of	properties in the composite	Layers of Silicon Solar Cells:
11h40-11h50	nanoparticles	dipotassium zinc orthogermanate	system	Comparative Studies of the
			(1-x) La0.67Ba0.22Sr0.11MnO3 / x	Efficiency between Single and
			$La_{0.67}Ba_{0.22}Sr_{0.11}Mn_{0.95}Ni_{0.05}O_3$	Double Layer at the Reference
				Wavelength
	Sana HASNAOUI	Aymen MBARKI	Hajer ISSAOUI	Papa Touty TRAORE
	Optical study of 90 P ₂ O ₅ +	Structural and dielectric	Effect of the annealing	Determination of thermal
	$xV_2O_5(10-x)$ BaO($0 \le x \le 3\%$) glasses	characterization on ZnO	temperature on the structural and	conductivity of tow plaster and
11h50-12h00			magnetic properties of double-	kapok plaster materials by
			doping (Bi/La, Ca) (La _{0.8} Ca _{0.2}) ₁₋	numerical method: influence of
			_x BixFeO ₃ (x=0.20) Compound	the heat exchange coefficient in
	Olfa MEDHIOUB	Hamida GOUADRIA	Wajdi CHERIF	transitional regime Imen CHÉRIF
	Energy transfer mechanism from a	Frequency and temperature	Structure and magnetic critical	Analysis of the intra-molecular
	semiconductor quantum well to	dependent dielectric properties of	behavior in La _{0.77} Mg _{0.23-x} □ _x MnO ₃	charge transfer in para-substitued
12h-12h10	optically active organic molecule	BaTiO ₃ co-doped Bi and Fe		nitrobenzofurazan (NBD): A
		Burrey de deped Brund re		combined experimental and DFT
				computation study
	Wahida LTAIEF	Raouia JEMAI	Nabiha MISSAOUI	Imen SAÏDI
	Structure and optical properties of	Synthesis, structures and electrical	Synthesis, Thermal,	Enhanced the emission efficiency
12h10-12h20	New Fluorophosphates	properties of two congruent	microstructural, optical, and	by thermal annealing of type-II
	LiGd4(PO4)3F4 doped with rare	isotypic diphosphates: Li2Na2P2O7	magnetic properties of	InAs/GaAsSb quantum dots
	Earth ions for LED application	and Li ₃ NaP ₂ O ₇	$La_{0.57}Pr_{0.1}Sr_{0.33}Mn_{1-x}Ti_xO_3 \ (0 \le x)$	
			≤ 0.2) manganites	
	Karim SOUIFI	Imane LAYAIDA	Tarek BEN SLIMEN	Sarra MAHJOUBI
12h20-12h30	Detailed investigation of structural,	Investigation of structural and	Cobaltite compound	Study of the I–V characteristics of
	morphology, magnetic, Electrical,	dielectric properties of Li-Cr ferrite	La0.57Nd0.1Sr0.18Ag0.15CoO3	FTO/ ZnS/ CZTS/ (Au, Ag and
	dielectric and optical properties of the half-doped perovskite	lerrite	synthesis and structural and	Pt) solar cell.
	Nd _{0.5} Ba _{0.5} FeO ₃		magnetic properties study	
101-20 151		I week be		L
12h30–15h	Lunch break			

15h-15h45 15h45-16h30	Plenary Conferences (Hall 1) Pedro GRACA Preparation and characterization of multifunctional 4585 glasses University of Aveiro-Portugal Plenary Conferences (Hall 1) Abdallah M. ALKELSH 3 zeros project, to solve water, energy and environment problems for a typical village in Libya				
		<i>Physics department Faculty of Sc</i>			
		Oral Pres	entation		
Topics	Organics/Inorganics materials	Energy and mechanic storage Semiconductors and nanotechnology	Materials modeling	Dielectric Materials and Nanocomposites	
	Hall 1: Chairman Samir GUERMAZI	Hall 2: Chairman Pedro GRACA	Hall 3: Chairman Rachid MASROUR	Hall 4: Chairman Hichem SMAOUI	
16h:30-16h:40	Emna BEN MESSAOUD A novel zero-dimensional semiconductor RGeF ₆ : Crystal structure, and optical proprieties	Marwa SLAMA Structural proprieties of (Fe ₂ O ₃)n nonoparticulates	Soulef JELLALI Theoretical study of the excited states of the Fr ₂ molecule	Narimen CHAKCHOUK Study on the ionic conductivity and optical properties of LiNaSrP ₂ O ₇ compound	
16h:40-16h:50	Amna FANDOULI Synthesis, crystal structure, Hirshfeld surface analysis of a new hybrid compound Bis (3- Dimethylammoniumpropyl chloride)tetrachlorocadmate(II)	Farah CHAFAI TEM and APT study of nanocrystalline Pr ₅ Co ₁₉ compounds	Sirine HÉRTILLI Numerical modeling of energy levels and nonlinear optical properties in CdTe/ZnTe spheroidal core/shell quantum dots: Effect of size and eccentricity	Mohsen HAJLAOUI High resistance and modulus study of ZnFe ₂ O ₄ spinel ferrite asa function of frequency and temperature	
16h50-17h00	Soulayma MTAR Crystal structure and thermal behavior of new supramolecular hybrid perchlorate salt	AFEF Moulahi Structural characterization, phase transition and dielectric proprieties of FeF ₂ (C ₅ H ₇ N ₄ O ₂) ₂	Sonia BLEL Theoretical Study of the Atomistic Mechanism Effects on vicinal surfaces using kinetic- Monte-Carlo simulations	Fawzi ELMISSAWI Structural, electric and dielectric characterization of Na _{2/3} Fe _{0.5} Mn _{0.5} O ₂ compound	

17h:00-17:30h		Coffee br	eak	
17h:30-17h40	Donia ZAMMEL Assembly of Organic–Inorganic Hybrid Supramolecular Materials based on Octamolybdate: Synthesis, Physicochemical Properties and Hirshfeld Surface Analyses	Faiza YAHIA Growth of a-plane GaN epi-layers on r-plane sapphire substrates with optimization of high growth temperature	Ayoub CHERNI Numerical modeling of the optical properties in CdS/ZnSe quantum dot-matrix system: Effect of dot- size and optical intensity	Kawther BEN BACHA Study of the effect of Cu doping on sprayed thin films of Bi ₂ O ₃
17h:40-17h:50	Idia MSAADI A new hybrid Lindqvist type mixed metal cluster anion: (Gua)5[V3W3O19]: Synthesis, crystal structure, thermal analysis and luminescence properties	Zoubaida LANDOLSI Electrodeposition growth of MnO ₂ /Fe ₂ O ₃ thin film on TiO ₂ as anode for high energy density hybrid supercapacitor	Mohamed CHEBIL CFD modelling of 2D Multi-air- jet flow impinging an inclined target plate: angle of inclination effect on flow physics and heat transfer phenomenon	Mongi HORCHANI Structural and dielectric behaviors for Ni _{0.1} Co _{0.5} Cu _{0.4} Fe ₂ O ₄ ferrite prepared using sol-gel route.
17h:50-18h:00	Ahmed ZAKARYA Sulfonated poly (ether ether ketone) blend with cellulose/dialdehyde cellulose as a potential stable PEM"	Asma ALIMI Experimental investigation of the electrochemical behavior metal oxides electrodes/electrolyte interface using electrochemical impedance spectroscopy (EIS) for supercapacitor applications	Maroua MHAMDI Properties of Electronic Transition of Asymmetric Droplet Epitaxy GaAs/AlGaAs Quantum Dots	Mouna AJILI Characterization of the structure and electrical properties of dipotassium zinc diphosphate
18h:00-18h:10	Hajer SOUISSI Experimental and optical studies of the new organic inorganic bromide: [(C3H7)4N]2CoBr4	Imen ROMDHANE Elaboration and characterization of the hybrid organic-inorganic perovskite compound based on metal halide of formula CH ₃ NH ₃ CuCl ₃	Hedi GARBOUJ Stability of magnetic spin spirals and skyrmions in vanadiumbased 2D monolayer: Monte Carlo study	Ismail KHLIFI The investigation of the novel ammonium phosphate ionic- protonic conductor material.
18h:10-18h:20	Hichem BEN AMEUR Solvothermal synthesis and photocatalytic activity of manganese cobalt ferrite nanoparticles	Marwa BEN CHAMEKH Development of pyroelectric detector based on barium titanate substituted with strontium	Houssem MEKNI Theoretical study of excitons in GaAs quantum dot molecules obtained by nanoholes filling	Sarra HAJLAOUI Structural, electrical conductivity study and dielectric modulus formalism of Cu _{0.6} Cd _{0.4} Cr ₂ O ₄ spinel oxide synthesized via sol- gel auto-combustion process

	Hajer KHACHROUM	Thinhinane AOUDJIT	Adel BOUAZRA	Touka DABBEBI	
	Synthesis, X-ray Diffraction studies and	Near-field photochemical imaging	Physical properties of isolated and	Sol–gel synthesis for	
18h:20-18h:30	thermal behavior of the new Hybrid material: 4-Dimethylaminopyridine	of chiral nanostructures	auto-assembled quantum wires	Mg0.5Co0.5Fe2O4 spinel ferrite and	
	Indium chloride			study for its structural and	
				dielectric properties	
	Khawla FRADI	Saber NASRI	Mohamed FARJALLAH	Aydi SAMIA	
	Stability improvement of Cesium	Investigation of structural,	Prédiction théorique de la	Lead-free ferroelectric Na _{1-x} Sr _x	
18h:30-18:40h	lead mixed halide perovskites	morphology, dielectric relaxation	formation des molécules froides et	(Sn0.25Ti0.75) xNb1-xO3 system (0.1	
	bromide-doped thin films	and conduction mechanism of	ultra froides	\leq x \leq 0.4) XRD, dielectric, and	
		Sodium diphosphate ε Na ₄ P ₂ O ₇		Raman properties	
		compound			
	Oumaima MASTOURI	Yousra CHAKROUN	Mohamed CHELLEGUI	Kalthoum RAGHDA	
	Synthesis, structural study,	Elaboration and physicochemical	Molecular Modeling of the	Dielectric investigation of new	
18h:40-18h:50	characterization and Hirshfeld	properties of manganite oxides	Reactivity of Chemical Reactions:	hybrid perovskites CH ₃ NH ₃ CdCl ₃	
	surface analysis of a new organic-	prepared by ceramic method	A DFT Study of the Diels-Alder	and (CH ₃) ₂ NH ₂ CdCl ₃ with large	
	inorganic hybrid material:		Reaction Between 2,5-	dielectric constants for field-effect	
	$[C_5H_6N2][C_5H_7N_2]ClO_4$		Dimethylfuran and Ethylene	transistors	
	Chadha HENCHIRI	Dhouha BOUOKKEZ	Othmen KHALDI	Seif Eddine MNASSRI	
	Theoretical study of the magnetic	Effect of annealing temperature	Ab initio study of the high	The microstructure, Mössbauer,	
18h:50-19h:00	properties and the magnetocaloric effect in lanthanum manganite	on the structural, optical and dielectric behavior of spinel	frequency dielectric response of metal oxide materials by coupled	thermal, and high dielectric characteristics of ZnFeCoO ₄	
	lacunar compounds	material Li _{0.5} ZnF _{1.5} O ₄	Hartree-Fock/Kohn-Sham and	spinel ferrite produced by the sol-	
	lacultar compounds	Inaternal L10.5ZHF1.504	finite field perturbation methods	gel technique were studied.	
			mine field perturbation methods	ger teeninque were studied.	
		Saturday 25 Ju	ine 2022		
		Plenary Confe	ences (Hall 1)		
		Optical characterizati			
9h-9h45	Mounir MADHIOUB				
	Department of Earth Sciences, Faculty of Sciences of Sfax (FSS), University of Sfax				
		rences (Hall 1)			
9h:45-10:30h	Investigation on photovo	ltaic properties of the organic-inor		ensity functional theory	
		El-Kebi	r HLIL		
	Univ.	Grenoble Alpes, CNRS, Grenoble IN	P, Institut Néel, 38000 Grenoble, Fr	ance	

10h:30-11h	Coffee break					
	Oral Presentations					
Topics	Magnetic and Multiferroic	Dielectric Materials and	Optical Materials and Laser	Clay materials/		
	Materials	Nanocomposites	Technology	Polymer materials		
	Hall 1: Chairman	Hall 2: Chairman	Hall 3: Chairman	Hall 4: Chairman		
	Lotfi BESSAIS	Abdallah Ben Rhaiem	Moncef Said	Mounir MADHIOUB		
	Ammar GHODBANI	Hadhemi BEN ATTIA	Basma BEN SALEM	Sana DARDOURI		
	Electrical properties investigation	Phase transitions, electrical study	Enhanced photocatalytic	Optimum case of Phase change		
11h-11h10	for dopped lanthanum manganite	and dielectric behavior of a new	performance of ZnO/NiO	materials layer integrated in building		
		organic inorganic chloride:	nanocomposite in the degradation	wall and roof under saharan (Tozeur) weather conditions		
		(C7H11N2)2C0Cl4	of MB dye under solar irradiation			
	Ikbel MALLEK-ZOUARI	Arafet GHOUDI	Ikhlas KACHOU	Yousra AISSAOUI		
111.10.111.00	Mössbauer Spectrometry Studies	Structural, optical, electrical and	High-sensitive optical temperature $C = \frac{3+}{2}$	Adsorption of Erythromycin from		
11h10-11h20	Of Magnetic-Dependent Cycloidal	dielectric characteristics of the	sensing based on emission of Eu^{3+}	aqueous solution using Tunisian		
	Ordering In Bifeo 3 Nanoparticles	new organic-inorganic complex:	doped Na ₃ Y(VO ₄) ₂ Phosphor	clay materials- Effect of operating		
	Hajer TLILI	C6H9N2FeCl4 Samia BELGASMI	Kawthar ELJADI	parameters Mohamed Yassine HABIBI		
	Synthesis and characterization of	Effects of silver doping in	Synthesis and physical	Synthesis and characterization of		
	magnetite nanoparticles or water	praseodymium manganite system:	characterization of α -MnO ₂ /	the cement clinker based on dam		
11h20-11h30	treatment using a magnetic process	electrical properties	Mn ₃ O ₄ composite powdersfor	sediments		
	treatment using a magnetic process	electrical properties	photocatalytic activity under sun-	seaments		
			light irradiation			
	Manel OTHMAN	Takwa JADLI	Naim BEL HAJ MOHAMED	Mabrouk ELOUSSAIEF		
	Effect of transition metal doping on	Study of electrical properties in	A novel approach given by the	Smart clay using for the quality		
	the multiferroic bismuth ferrite	manganites and annealing	statistical analysis interpretation	improvement of building		
	properties.	temperature effects	in the processes of adsorption and	materials		
11h:30-11h:40			photocatalysis for organic			
			pollutant removal by acid capped			
			CIS/ZnS core/shell nanocrystals			

	Mounawer NASRI	Walid MANSOURI	Nadia KHILIFI	Amina AMMOUS
	Magnetocaloric effect study by	Investigation of structural, optical	Non-doped and transition metal-	Stratigraphic Distribution,
11h:30-11h:40	means of theoretical models in	and electrical of Ni0.5Fe0.5Co2O4	doped CuO Nanoparticles as	Geochemical and Mineralogical
	CoFeCuO ₄ spinel ferrite	spinel cobaltite	Modern Antibiofilm Materials for	Characterization of the Middle
			Biomedical Applications	Jurrasic in Châabet El Attaris,
				North-South Axis, Tunisia
	Anwar TOZRI	Ibtihel SOUDANI	Dhiss TESNIM	Imen FELLAH
	Magnetocaloric Effect and Scaling	Investigation of structural, and	Green synthesis of bentonite-	Citric Acid Modified natural clay
11h:40-11h:50	Analysis in the Pr doped on La-Ba-	conduction mechanism of	supported iron nanoparticles as a	for Rhodamine B Adsorption
	Mn-O3 Manganites	multifunctional spinel ferrite	heterogeneous Fenton-like catalyst: Kinetics of decolorization of mono-	
		LiMn _{0.5} Fe ₂ O ₄	azo dye Crocein Orange G	
	Fatma ISSAOUI	Omayma AMORRI	Marwa EL BEJI	Fathi ALLOUCHE
	Study of structural, magnetic and	Effects of doping by copper on	Highly sensitive and selective	Occurrences of Uranium-bearing
	magnetocaloric properties	structural, optical and dielectric of	ethanol gas sensor based on Ga-	celestine and barite in the Paleocene
11h:50-12h:00	at room temperature of manganite	LiFe ₂ O ₄ based spinel	doped ZnO nanoparticles	of the Siouf-Cherahil sector:
	La _{0.57} Nd _{0.1} Sr _{0.33-x} Ag _x MnO ₃ (0.00 -	1	1 1	Stratigraphic Distribution,
	0.15)			Geochemical and mineralogical characterization
	Khawla BEN BRAHIM	Ichrak BEN SLIMA	Ghofrane OUERTANI	Sabrine BEN KACEM
	Novel phase transition sequences in	Effects of Mn doping on structural	Luminescence thermometry	Electrochemical Degradation of
12h-12h:10	tetraethylammonium Tetrachloro-	properties and conduction	sensors based on Dy ³⁺ and Sm ³⁺	Mordant Orange 1 Using Solid
12n-12n:10	ferrate plastic crystal by X-ray	mechanism of NaCu _{0.2} Fe _{0.8-x} MnxO ₂	co-doped GdPO ₄ phosphor	Polymer Electrolyte
	diffraction and spectroscopic	(x= 0.4; 0.5; 0.6; 0.7) materials	powders	
	measurements		Ĩ	
	Dorsaf BOUAZZI	Kaouther GUITHI	Kamel SAIDI	Rabiaa ELKAROUS
	Efficiently removal of Methylene	Synthesis, structural, electrical	Upconversion Thermometry	Effect of growth parameters on
12h:10-12h:20	Blue on hybrid HAP materials:	and dielectric properties of	Using Yb ³⁺ /Er ³⁺ Co-Doped	the quality of graphene grown by
	Surface properties, kinetic studies and isotherms modelization	LiNbO ₃ perovskite compound for	Na ₃ GdV ₂ O ₈ phosphors	chemical vapor deposition
	and isotherms modelization	technological applications.		
	Houria MEKKI	Rami GHORBALI	Ahmed BOURI	Nesrine ABDERRAHIM
	Theoretical prediction of the	Improved conductivity, and	Effect of thermal treatment on	Preparation of activated carbon from
12h:20-12h:30	electronic structure and	dielectric relaxations of Cu-doped	structural and luminescence	palm petiole based on micro-wave
	thermodynamics in half-Heusler	ZnO nanoparticles	properties of Al ₂ O ₃ nanoparticles	heating for wet-phosphoric acid
	compounds KCrZ (Z=S, Se, Te)		embedded in silica glass host	purification: Optimization,
			matrix	characterization and adsorption study

12h:30-12h:40	Mané SECK Dielectric investigation and material properties of almond gum thin films deposited by spray pyrolysis	Leila MILADI Hopping conduction mechanism process of the olivine compound LiMgPO4	Bessadok MOHAMED NAFTI Effect of the doping element on the luminescence properties of a glass-ceramic matrix enriched by zinc silicate for a contactless thermometry application	Monia AMMAR A quantitative and qualitative investigations of organic matter contents in ancient sedimentary rocks during real-time heating using coupled of TG/DTG and FTIR
12h:40-12h:50	Foudil SAHNOUNE Crystallization kinetics and characterization of cordierite ceramics (2MgO ₂ Al ₂ O ₃ 5SiO ₂) Synthesized from Nano-powder oxides	Amira KHLIFI Structural and electrical properties of Ba-deficient manganites (La/Eu/Ba)MnO ₃	Mariem LTAYEF Designing of new composites (MEHPPV-P3HT: PCBM) for the photovoltaic application	Nabila BITRI Characterization of graphene oxide and chemically reduced graphene oxide thin films deposited via spray pyrolysis
12h:50-13h:00	Djihad MOKHTARI The structural, electronic, magnetic and mechanical properties of CoVTiAs and CoVTiSi quaternary Heusler alloys	Bassem MEDDEB Phase diagram, dielectric and electro optic properties of binary liquid crystals mixtures	Ines HAJJEJ MEJRI Effect of calcium doping on structural and electrical properties of zinc oxide (ZnO) synthesized by sol-gel method	Abdelwaheb TRIGUI Experimental techniques for phase change materials (PCM) characterization: Thermophysical properties
13h:00–15h		Lunch	break	

	Plenary Conferences (Hall 1)
15h-15:45h	High insulating behavior induced by doping effect in spinel and perovskite ceramics
1511-15:4511	L.H. OMARI
	LPMAT, Faculty of Sciences Ain-Chock, University of Hassan II, Casablanca, Morocco
	Plenary Conferences (Hall 1)
15h:45-	Exploration des propriétés des solides par spectroscopie d'impédance
16:30h	Kamel KHIROUNI
	Laboratoire de Physique des Matériaux et des Nanomatériaux appliquée à l'Environnement, Faculté des Sciences de Gabès, Université de Gabès
16h:30-	Coffee break
17h:00	

Sunday, 26 juin 2022					
9h – 9h :45		Plenary Conferences (Hall 1) Rachid MASROUR			
	First-principles prediction and	•	ctural, electronic, magnetic and t Ieusler alloys	hermoelectric properties of the	
	Laboratory of Solid	Physics, Sidi Mohamed Ben Abdall	ah University, Faculty of Sciences, BP	1796, Fez, Morocco	
9h:45 - 10h:30			ferences (Hall 1)		
		nd dielectric properties of SrF	B. JOTANIA e12O19/NiFe2O4 ferrite nanocompo ver extract as green reducing age		
	Department of Physics, Electronic	s and Space science, University sch	nool of sciences, Gujarat University, A	hmedabad 380 009, Gujarat, India	
10h:30-11h		Coffe	ee break		
		Oral Presentation	ons		
Topics	Magnetic and Multiferroic Materials	Optical Materials and Laser Technology	Electronic materials	Organics/Inorganics materials	
	Hall 1: Chairman Rajshree B. JOTANIA	Hall 2: Chairman Abdalla M. ALKELSH	Hall 3: Chairman Fathollah Varnik	Hall 4: Chairman Makram Megdiche	
11h-11h:10	Issa BRIKI NaI(Tl) scintillators for the measurement of the momentum dependence of the atmospheric muons vertical intensity	Faical MSELMI Temperature dependence of luminesence properties of V ³⁺ doped α-ZnAl2S ₄ single crystals	Noureddine MHADHBI Design, theoretical study and correlation of the structural, vibrational, electronic and optical properties of (3AMP) ₂ [cdBr6]•2H2O.	Ines MBAREK Synthesis, characterization and temperature-triggered phase transition of organic inorganic hybrid compound: [(CH3) ₄ N] ₃ Sb ₂ Cl ₉	
11h:10-11h:20	Souad CHKOUNDALI Structure and dielectric study of relaxor Behavior in (Ba _{0.7} Sr _{0.3}) _{0.4} Na _{0.6} (Ti _{0.9} Sn _{0.1}) _{0.4} Nb _{0.6} O ₃ ceramic	Lamia SAIDI Organic Sensitizer-Free Based Up Conversion Emission Under Near-Infrared Excitations	Thamer ALOUI Impact of p-MoSe ₂ Interfacial Layer on the efficiency Cu(In,Ga)Se ₂ (CIGS) solar cells : experimental and numerical optimization	Amal GHRIBI Excitn Fine Structure in Lead Halide Perovskite Nanostructure CsPbX ₃ (X=Cl, Br, I)	

IIh:20 - 1Ih:30 Electrical properties of Lau-Bin_35n_2Bau_MO3 ceramic solar cell based on ideal cubic NaNbO3 thin films deposited by spray pyrolysis Elaboration of novel nano-material based on Ge-Mn for third based on Ge-Mn for third seneration solar cells Structural and magnetic changes due to the martensition in rapidly solidified Nis_MMn;Sne.slaws Ribbons IIh:30 - 1Ih:40 Aymen ELGHOUL Room temperature magnetocaloric effect in polycrystalline Lau 0:35Bin_05Srn_2MnO3 Fadwa AYACHI Temperature-dependence of efficient up-conversion luminescence in YPn_3Va_O4, phosphor doped Er ³⁺ Yd ³⁺ for temperature sensor Abdelkarim MESSAOUDI Synthesis, Vibrational analysis, Optical and Electrical conduction mechanism of Con_27n_4Fe2O, prepared using sol-gel route Khaled CHARRADI Incorporating of sulfeethyl cellulose to improve the performance of SPEEK membrane fuel cells IIh:40-11h:50 Marwa JEDDI Impact of Synthesis route on magnanite Salma MSAOURA Crystal structure, Hirshfeld properties of Nao, STO 4MnO3 manganite Mariem KHALFA Structural study of a complex formed by a protein and a polymer industry wastewater Sameh IFA Influence of A-site substitution on the electrical and dielectric properties of Lao, Caa, MMnO3 manganite Tarek LARBI Efficient photocatalytic decomposition of leather industry wastewater Ameni BEN NASR Synthesis of novel mixed halide Virh interesting structure, optical and luminescence properties Aida BENCTHAABANE Photoluminescence study of hybrid colloula solution based on PoOT polymer and CdSe nanoparticles 11h:50-12h:00 Jihed HORCHENI Magnetocaloric properties of new iron-Rich intermettalic compound around room temperature Mourad CHEMEK		Hayet SALHI	Amira BOUGOFFA	Makrem YAHYAOUI	Hanen REKIK
Synthesized by sol-gel method NaNbO3 thin films deposited by spray pyrolysis Generation solar cells rapidly soldified NisMn;7Snc3fnc3 11h:30 - 11h:40 Aymen ELGHOUL Room temperature magnetocaloric effect in polycrystalline Lae 73Bio asSro_2MnO3 Fadwa AYACHI Temperature-dependence of efficient up-conversion luminescence in YPo \$Vo_5O4 phosphor doped Er ³⁺ and codoped Er ³⁺ Yb ⁵⁺ for temperature sensor Abdelkarim MESSAOUDL Synthesis, Vibrational analysis, Optical and Electrical conduction mechanism of Cos.Zn af EoO, proparties of Synthesis route on magnetic and magnetocaloric properties of Ndo.Sr0.4MnO3 manganite Marwa JEDDI Impact of synthesis route on magnetic and magnetocaloric properties of Ndo.Sr0.4MnO3 manganite Same MSAOURA Crystal structure, Hirshfeld surface analyses and optical properties of organic-inorganic hybrid compound (CsH10NOH[Bic2110] Monamed ZIED MEJRI Structural study of a complex formed by a protein and a polymer properties of Ndo.Sr0.4MnO3 manganite Mariem KHALFA Second order structural phase transition revealed in [(CH,J)P]/MCL6 (M-Bi and Sb) hybrid compound (CsH10NOH[Bic2110] 11h:50-12h:00 Samch IFA Influence of A-site substitution on the clectrical and diclectric properties of Lao.Gao.MNO3 manganite Tarek LARBI Efficient photocatalytic dccomposition of leather industry wastewater Ameni BEN NASR Synthesis of novel mixed halide Collio-2-methylpiperazine based with interesting structure, optical and luminescence properties of Lao.Gao.MNO3 manganite Aida BENCHAABANE Photoluminescence study of hybrid oplymer and CdSe nanoparticles Chaima ZOU/ARI Synthesis, X-Ray crystal structure and Vibratical behavior of a new small molecule based on carbazole a					6 6
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Spiral pytolysis Aymen ELGHOUL Room temperature magnetocaloric effect in polycrystalline La@25Bio.05Sto.2MnO3 Fadwa AYACHI Temperature-dependence of efficient up-conversion luminescence in PPoSV0.3O4 phosphor doped E7 ³⁺ and codoped E7 ³⁺ and codoped E7 ³⁺ more temperature sensor Abdelkarim MESSAOUDI Synthesis, Vibrational analysis, Optical and Electrical conduction prepared using sol-gel route Khaled CHARRADI Incorporating of sulfoethyl cellulose to improve the performance of SPEEK membrane for proton exchange membrane fuel cells 11h:30 - 11h:40 Marwa JEDDI Impact of synthesis route on magnetic and magnetocaloric properties of Ndo.Sr0.4MnO3 manganite Salma MSAOURA Crystal structure, Hirshfeld surface analyses and optical properties of rodo.Sr0.4MnO3 manganite Mariem KHALFA Structural study of a complex formed by a protein and a polymer Second order structural phase transition revealed in [(CH).JP]/MsCl, (M=Bi and Sb) hybrid compound (CsHioNO).4[Bi:C110] 11h:50-12h:00 Sameh IFA Influence of A-site substitution on the electrical and dielectric properties of Lao.Gao.4MnO3 magnanite Efficient photocatalytic decomposition of leather industry wastewater manganite Ameni BEN NASR Synthesis of novel mixed halide Co(II)-2-methylpiperazine based with interesting structure, optical and luminescence properties manganite Aida BENCHAABANE Photoluminescence study of hybrid colloidal solution based on P3OT polymer and CdSe nanoparticles 11h:50-12h:00 Jihed HORCHENI Magnetocaloric properties of new round room temperature Mourad CHEMEK Synthesis, cxperimental and theoretical investigation of new small molecule based on carbazole and thiophene rings <t< th=""><th></th><td>synthesized by sol-gel method</td><td>1 5</td><td>generation solar cells</td><td></td></t<>		synthesized by sol-gel method	1 5	generation solar cells	
Inh:30 - 11h:40Room temperature magnetocaloric effect in polycrystalline La@:rsBiodSm:2MnO3Temperature-dependence of efficient up-conversion hosphor doped Er ³⁺ and codoped Er ³⁺ Yb ³⁺ for temperature sensorSynthesis, Vibrational analysis, Optical and Electrical conduction mechanism of Cos/Zno.4Fe2O4 prepared using sol-gel routeIncorporating of sulfoethyl cellulose to improve the performance of SPEEK membrane fuel cells11h:40-11h:50Marwa JEDDI Impact of synthesis route on magnetic and magnetocaloric properties of synthesis route on magnatieSalma MSAOURA Crystal structure, Hirshfeld surface analyses and optical properties of organic-inorganic hybrid compound (CsH10NO4[Bi2C110]Mohamed ZIED MEJRI Structural study of a complex formed by a protein and a polymerMariem KHALFA Second order structural phase transition revealed in (CH)-J2h/CL (M=Bi and Sb) hybrid compound (CsH10NO4[Bi2C110]Mohamed ZIED MEJRI Structural study of a complex formed by a protein and a polymerMariem KHALFA Second order structural phase transition revealed in (CH)-J2-methylpiperazine based with interesting structure, optical and luminescence study of Norid co(II)-2-methylpiperazine based with interesting structure, optical and luminescence propertiesMade BENCHAABANE Photoluminescence study of hybrid colloidal solution based on PaOT polymer and CdSe nanoparticlesChaina ZOUARI Synthesis, CARA yreystal structure optical and luminescence study of hybrid colloidal solution based on palymer and CdSe nanoparticlesChaina ZOUARI Synthesis, SRay crystal structure and Vibrational behavior of a new organic-inorganic hybrid material Colloidal solution based on P3OT polymer and CdSe nanoparticles<					
11h:30 - 11h:40magnetocaloric effect in polycrystalline L.ao.75Bio.05STo.2MnO3efficient up-conversion luminescence in Y0.5Vo.94 phosphor doped Er ³⁺ and codoped Er ³⁺ and codoped Er ³⁺ state codoped Er ³⁺ state structure sensorOptical and Electrical conduction mechanism of Co.6Zn.4Fe2O4 prepared using sol-gel routecellulose to improve the performance of SPEEK membrane for proton exchange membrane fuel cells11h:40-11h:50Marwa JEDDI Impact of synthesis route on magnetic and magnetocaloric properties of Ndo.6St0.4MnO3 manganiteSalma MSA OURA Crystal structure, Hirshfeld surface analyses and optical properties of organic-inorganic hybrid compound (CsH ₁₀ NO) ₄ [Bi ₂ Cl10]Mohamed ZIED MEJRI Structural study of a complex formed by a protein and a polymerMariem KHALFA Second order structural phase transition revealed in [CH ₁) ₂ Pl ₁ M ₂ [S (M=Bi and Sb) hybrid compound (CsH ₁₀ NO) ₄ [Bi ₂ Cl10]11h:50-12h:00Sameh IFA Influence of A-site substitution on the electrical and dielectric properties of Lao.6Cao.4MnO3 manganiteTarek LARBI Efficient photocatalytic decomposition of leather industry wastewater industry wastewater industry wastewater manganiteAmeni BEN NASR Synthesis of novel mixed halide Co(II)-2-methylpiperazine based with interesting structure, optical and luminescence study of hybrid colloidal solution based on P3OT polymer and CdSe nanoparticlesSinthesis, S-Ray crystal structure and Vibrational behavior of a new organic-inorganic hybrid material [CsHaN3]NO311h:50-12h:00Jihed HORCHENI<					
11h:30 - 11h:40 polycrystalline La0.75Bi0.05Sr0.2MnO3 luminescence in YP0.5V0.5O4 phosphor doped Er ³⁺ and codoped Er ³⁺ for temperature sensor mechanism of Coo.sZn0.4Fe2O4 prepared using sol-gel route performance of SPEEK membrane for proton exchange membrane fuel cells 11h:40-11h:50 Marwa JEDDI Salma MSAOURA Impact of synthesis route on properties of Nd0.6Sr0.4MnO3 manganite Salma MSAOURA Crystal structure, Hirshfeld surface analyses and optical properties of organic-inorganic hybrid compound (CsH10NO)4[Bi2C110] Mohamed ZIED MEJRI Structural study of a complex formed by a protein and a polymer Second order structural phase transition revealed in [(CH3)APJACI6 (M=Bi and Sb) hybrid compound (CsH10NO)4[Bi2C110] 11h:50-12h:00 Sameh IFA Influence of A-site substitution on the electrical and dielectric properties of La0.sCa0.4MnO3 manganite Tarek LARBI Efficient photocatalytic decomposition of leather industry wastewater Ameni BEN NASR Synthesis of novel mixed halide CO(II)-2-methylpiperazine based with interesting structure, optical and luminescence properties round room temperature Aida BENCHAABANE Photoluminescence study of hybrid colloidal solution based on P3OT polymer and CdSe nanoparticles Natesta ZOUARI Synthesis, X-Ray crystal structure and Vibrational behavior of a new organic-inorganic hybrid material [C3H3N3]NO3 12h:10-13h Closing		1	1 1	5 2 2 2 2 2	1 0 1
Lao.75Bio.65Sro.2MnO3 Instantion for doped Er ³⁺ and codoped Er ³⁺ (Yh ³⁺ for temperature sensor Instantion for solution Instantion for solution 11h:40-11h:50 Marwa JEDDI Salan MSAOURA Mohamed ZIED MEJRI Mariem KHALFA 11h:40-11h:50 Impact of synthesis route on magnetic and magnetocaloric properties of Ndo.6STO.4MnO3 manganite Stata MSAOURA Mohamed ZIED MEJRI Second order structural phase transition revealed in [(CH ₃),P]:M ₂ Cl ₆ (M=Bi and Sb) hybrid compound (CsH10NO)4[Bi:Cl10] Structural study of a complex formed by a protein and a polymer Second order structural phase transition revealed in [(CH ₃),P]:M ₂ Cl ₆ (M=Bi and Sb) hybrid compound (CsH10NO)4[Bi:Cl10] Second order structural phase transition revealed in [(CH ₃),P]:M ₂ Cl ₆ (M=Bi and Sb) hybrid compound (CsH10NO)4[Bi:Cl10] Synthesis of novel mixed halide controlled Raman spectroscopy and X-ray diffraction on the electrical and dielectric properties of Lao.6Cao.4MnO3 manganite Efficient photocatalytic decomposition of leather industry wastewater Synthesis, structure, optical and hubminescence properties Aida BENCHAABANE Photoluminescence study of hybrid colloidal solution based on P3OT polymer and CdSe nanoparticles Synthesis, X-Ray crystal structure and hubride colloidal solution based on P3OT polymer and CdSe nanoparticles Synthesis, X-Ray crystal structure and hybrid colloidal solution based on P3OT polymer and CdSe nanoparticles Synthesis, X-Ray crystal structure and vibrational behavior of a new organie-in	11h:30 - 11h:40				1
Marwa JEDDI Marwa JEDDI Salma MSAOURA Mohamed ZIED MEJRI Mariem KHALFA 11h:40-11h:50 Impact of synthesis route on magnetic and magnetocaloric properties of Nd ₀ ,ST0.4MnO3 manganite Salma MSAOURA Structural study of a complex formed by a protein and a polymer frame fuel cells Second order structural phase transition revealed in [(CH ₃)4P].Mg2Cl ₀ (M=Bi and Sb) hybrid compounds by temperature-controlled Raman spectroscopy and (C4H ₁ NO)4[Bi2Cl10] Sameh IFA Tarek LARBI Ameni BEN NASR Aida BENCHAABANE 11h:50-12h:00 Influence of A-site substitution on the electrical and dielectric properties of La ₀ .Ca _{0.4} MnO ₃ magnanite Mourad CHEMEK Synthesis of novel mixed halide Co(II)-2-methylpiperazine based with interesting structure, optical and luminescence properties analymanite Aida BENCHAABANE 12h:00-12h:10 Jihed HORCHENI Mourad CHEMEK Aida BENCHAABANE Photoluminescence study of hybrid colloidal solution based on P3OT polymer and CdSe nanoparticles Synthesis, X-Ray crystal structure and Vibrational behavior of a new organic-inorganic hybrid material [C3HsN3]NO ₃ 12h:10-13h Closing Synthesis, N-Ray crystal structure		1 5 5			1
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11h:40-11h:50 magnetic and magnetocaloric properties of Nd _{0.6} Sr0.4MnO3 manganite surface analyses and optical properties of organic-inorganic hybrid compound (CsH10NO)4[Bi2Cl10] formed by a protein and a polymer transition revealed in [(CH3)AP]:M_2Cl ₀ (M=Bi and Sb) hybrid compounds by temperature-controlled Raman spectroscopy and X-ray diffraction 11h:50-12h:00 Sameh IFA Tarek LARBI Ameni BEN NASR Aida BENCHAABANE 11h:50-12h:00 Sameh IFA Mourad CHEMEK Synthesis of novel mixed halide composition of leather industry wastewater Mourad CHEMEK Synthesis of novel mixed halide composition of leather industry wastewater Mourad CHEMEK Nale BENCHAABANE Photoluminescence properties of La _{0.6} Ca _{0.4} MnO ₃ maganite Nourad CHEMEK Notorad CHEMEK Synthesis, scperimental and theoretical investigation of new small molecule based on carbazole and thiophene rings Aida BENCHAABANE Synthesis, X-Ray crystal structure and Vibrational behavior of a new organic-inorganic hybrid material [C ₃ H ₈ N ₃]NO ₃ 12h:10-13h Line Closing Closing Closing		Marwa JEDDI	Salma MSAOURA	Mohamed ZIED MEJRI	
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InterpretationInstructionInstructionInstructionControlled Raman spectroscopy and X-ray diffraction11h:50-12h:00Sameh IFA Influence of A-site substitution on the electrical and dielectric properties of Lao.6Cao.4MnO3 manganiteTarek LARBI Efficient photocatalytic decomposition of leather industry wastewaterAmeni BEN NASR Synthesis of novel mixed halide Co(II)-2-methylpiperazine based with interesting structure, optical and luminescence propertiesAida BENCHAABANE Photoluminescence study of hybrid colloidal solution based on P ₃ OT polymer and CdSe nanoparticles12h:00-12h:10Jihed HORCHENI Magnetocaloric properties of new iron-Rich intermettalic compound around room temperatureMourad CHEMEK Synthesis, experimental and theoretical investigation of new small molecule based on carbazole and thiophene ringsAida BENCHAABANE Synthesis, X-Ray crystal structure and Vibrational behavior of a new organic-inorganic hybrid polymer and CdSe nanoparticlesSynthesis, X-Ray crystal structure and Vibrational behavior of a new organic-inorganic hybrid material [C5H8N3]NO312h:10-13hElementClosing	1111:40-1111:50	1 1			
Sameh IFA Tarek LARBI Ameni BEN NASR Aida BENCHAABANE 11h:50-12h:00 Influence of A-site substitution on the electrical and dielectric properties of La _{0.6} Ca _{0.4} MnO ₃ Efficient photocatalytic decomposition of leather industry wastewater Synthesis of novel mixed halide Co(II)-2-methylpiperazine based with interesting structure, optical and luminescence properties Aida BENCHAABANE 12h:00-12h:10 Jihed HORCHENI Magnetocaloric properties of new iron-Rich intermettalic compound around room temperature Mourad CHEMEK Synthesis, experimental and theoretical investigation of new small molecule based on carbazole and thiophene rings Aida BENCHAABANE Chaima ZOUARI Synthesis, X-Ray crystal structure and Vibrational behavior of a new organic-inorganic hybrid material [C3H8N3]NO3		manganite	2 1		
11h:50-12h:00Influence of A-site substitution on the electrical and dielectric properties of La0.6Ca0.4MnO3 manganiteEfficient photocatalytic decomposition of leather industry wastewaterSynthesis of novel mixed halide Co(II)-2-methylpiperazine based with interesting structure, optical and luminescence propertiesPhotoluminescence study of hybrid colloidal solution based on P3OT polymer and CdSe nanoparticles12h:00-12h:10Jihed HORCHENI Magnetocaloric properties of new iron-Rich intermettalic compound around room temperatureMourad CHEMEK Synthesis, experimental and theoretical investigation of new small molecule based on carbazole and thiophene ringsAida BENCHAABANE Photoluminescence study of hybrid colloidal solution based on P3OT polymer and CdSe nanoparticlesChaima ZOUARI Synthesis, X-Ray crystal structure and Vibrational behavior of a new organic-inorganic hybrid material [CsHsN3]NO312h:10-13hClosing			(C8H101NO)4[B12C110]		X-ray diffraction
11h:50-12h:00 the electrical and dielectric properties of La0.6Ca0.4MnO3 manganite decomposition of leather industry wastewater Co(II)-2-methylpiperazine based with interesting structure, optical and luminescence properties hybrid colloidal solution based on P3OT polymer and CdSe nanoparticles 12h:00-12h:10 Jihed HORCHENI Mourad CHEMEK Aida BENCHAABANE Chaima ZOUARI 12h:00-12h:10 Magnetocaloric properties of new iron-Rich intermettalic compound around room temperature Synthesis, experimental and theoretical investigation of new small molecule based on carbazole and thiophene rings Photoluminescence study of hybrid colloidal solution based on P3OT polymer and CdSe nanoparticles Synthesis, X-Ray crystal structure and Vibrational behavior of a new organic-inorganic hybrid material [CsH8N3]NO3 12h:10-13h Closing					
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Poster Presentations (Friday 24 June 2022 : 10:30h-11h)		
	Title	
Sana HASNAOUI	Optical study of 90 P2O5+ $xV2O5(10-x)$ BaO ($0 \le x \le 3\%$) glasses	
Omar Kammoun	Optoelectronic propreties of a new hybrid supramolecular salt	
Olfa Rahal	Synthesis and characterization of Ti-doped manganite in Pr0.9Sr0.1MnO3	
Aida BEN JAZIA KHARRAT	Synthesis, crystal structure and optical properties of SmCrO3 perovskite compound	
Ilhem SOYAH	Photothermal titrations for the analysis and detection of micropollutants in water	
Abbassia LAZREG	A DFT Study on Complexation of Metal Ion Zn2+ with Amino Acids; L-Serine, L-Cysteine and L-Aspartic Acid	
Rania LATAOUI	Morphological effect on electrical properties of La0.7Sr0.3FeO3 ceramic by impedance spectroscopy at high temperatures	
Safa ELHAMDI	Influence of Dy doping on structural, morphological and optical properties of ZnO	
Sondes GUESMI	A novel electrochemical sensor for detection of L-tryptophan based on Copper metal-organic -frame works/ pectin modified glassy carbon	
Bestaoui-BERREKHCHI- BERRAHMA NOREYA	Quantum Study of Structural, Electronics and Reactivity Of 6-Aminobenzimidazole In Solvents.	
Ferjaoui ZIED	Novel Drug Delivery Systems as a Potential Therapeutic Agent for the Charcot-Marie-Tooth Disease Type 1A	
Khaled ALURRFI	Solitons of Magneto-Optic Waveguides in Mathematical Physics	
Ghada BRUINA	The effect of hydrothermal activity on Aoueouat greenstone belt host rocks of gold mineralization (Tasiast, Mauritania)	
Houria ELLOUMI	Effect of hydrothermal fluids on the Triassic materials of the Oued Belif structure (Nefza, northern Tunisia)	
Abdelfatteh BOUZIDI	Effect of Sodium Molybdate Dihydrate powders on the structural, optical, and impedance parameters of NA-MOAT-04- C.2HYD/PolVA polymeric composite	
Hajer JEIDI	Structural and electrical characterization of carbon/vanadium oxide nanocomposite elaborated by sol-gel method	
Karim KAROUI	[(CH3)3N(CH2)2Br]2[CoBr4] halogenometallate complex: crystal structure, high-temperature reversible phase transition, electrical and optical properties	
Fatma BENTAHAR	Crystal structure, Thermal behavior, vibrational and optical studies of novel benzimidazolium-tellurate hybrid compound.	
Rim REKIK ELLOUZE	Characterization of clays from different countries and formulation of white paste intended for the manufacture of ceramic tiles and study of their behavior during firing	
Mounir MEDHIOUB	The Valorization Of Barremian Sands From The Sidi Aich Formation In The Synthesis Of Ceramic Pigments	
Benatmane ABDELMOUNAIM	CuNi alloy coatings deposited on indium tin oxide (ITO) substrate for energy and environmental applications.	
Imen BENSAAD	Zero-dimensional Tin based (IV) of new hybrids complex semiconductors with model conceptual: Synthesis, crystal structure and optical analysis.	

Wissal JILANI	Structural, optical, and dielectric properties of methylene blue organic dye-doped DGEBA epoxy polymer composite panels (MB: DGEBA-EPCPs): tendencies and applications in optoelectronic materials.	
Feten RHOUMA	Effect of Pr doping on the structural and optical properties of ZnO nanoparticles	
Bileid S ADALEEM	On Solving the Eigenvalues Problem for the Periodic Layered Thin Films Using Fourier Extension	
Maher JDIR	Effect of indium-doped ZnO nanoparticles incorporation on the properties of organic field-effect transistors (OFETs)	
Ameni BEN NASR	Chemical preparation, thermal behavior, optical and electrical properties of a new semiconductor cobalt-based organometallic complex	
Najet AOULED DLALA	Investigation of Structural, Electronic Properties and Molecular Docking of A New Chromene Derivative	
Amel AZAZI	Synthesis, characterization, DFT and TDDFT investigation of novel Composite for organic solar cells	
Helmi ABDELKEFI	X-ray diffraction, dielectric and Raman spectroscopy studies of Ba1-xBi2x/3x/3(Fe0.5Nb0.5)0.025Ti0.975O3 ceramics	
Khouloud KOURCHID	Study of surface stability and electronic structure of Bi-terminated InAs $(001)\xi(4\times 2)$ surface based on ab initio calculations	
Naoufel KHEMIRI	Effect of thickness and band gap energy on the performance of earth abundant and non-toxic CZTS solar cells :Numerical simulation by SCAPS-1D	
Sabrine BEN KACEM	Application of Doehlert design to the electro- Fenton treatment of Erythrosine B	
Manel KADDES	First principal study of electronic and thermoelectric properties of ZnO/Graphene heterostructures	
Poster Presentations (Saturday 25 June 2022 : 10h:30-11h)		
Amal HICHRI	Synthesis and characterization of a new Organic-inorganic hybrid materials based on molybdenum and copper	
Karim OMRI	Enhanced photocatalytic performance and impact of annealing temperature on TiO2/Gd2O3:Fe composite	
Redouane CHADLI	Synthèse et études structure activité des dérivés de N,N-dimethyl-4-{-[(4-nitro-phenyl)-imino]-methyl}comme des nouveaux composés optiquement non linéaire.	
Iliès TAIBI	Reduction of organic materials band gap by using thiophen and fullerene derivatives.	
Sondes HAJLAOUI	Synthesis, electrical transport properties and modulus behavior in an organic-inorganic hybrid compound: [(C3H7)4N]2SnBr6	
Abddaim JEIDD	Investigation of the structural, morphological, optical, electrical, and dielectric properties of spinel ferrite LiMg2Fe3O7.	
Mohamed AMGHAR	Structural, morphological, and electrical properties of silver-substituted ZnAl2O4 nanoparticles	
Sihem ZAIDI	Prediction of critical conditions for thermal explosion of calcium propionate by thermal analysis	
Serra ELASKRI	Synthesis and magnetic feature of the doppeted 10% Ti in the Pr _{0.9Sr0} .1MnO3 sample	
Safa MNEFGUI	Impact of B-site substitution on structural and magnetocaloric	
	properties of La _{0.55} Pr _{0.1} Sr _{0.35} Mn _{1-x} TixO ₃ samples	

Yassine ALAYA	Influence of annealing temperature on the properties
	of TiO ₂ films deposited by spray pyrolysis
Imed GHILOUFI	Synthesis and characterization of low-cost solar cell based on nanoparticles
Ismail KHLIFI	The effect of chemical preparation methods on thermal behavior and structural properties of the newionic-protonic conductor based
	onarsenic and telluric acids"
Hajer KHACHROUM	Synthesis, crystal structure, morphological study of a new hybrid material: 4-Dimethylaminopyridine Indium chloride
Anouar KHALFAOUI	Study of Optical Properties of AlN Thin Films Deposited by Reactive Magnetron Sputtering
Yamen BEN AMMAR	Characterization of the microstructure and mechanical properties of titanium honeycomb sandwich panels under thermal exposure
Wrida AHMED	Synthesis and electrical characterizations of carbon matrix enriched by ZrO ₂ nanoparticules.
Abdelwaheb Trigui	Suitable measurement methods to determine thermophysical properties of phase change materials (PCM)
Soumaya JABALLAH	Electrical study of screen-printed electrode based on aluminum and magnesium co-doped zinc oxide nanoparticles
Yossr Yousfi	Effect of the Active Layer Thickness of Pentacene Thin Film Transistor and illumination on TFTs performance.
Donia Zammel	Synthesis, Crystal structure and properties of a supramolecular compound based on octamolybdate"
Mansoura Bourwina	Structural feature, thermal behavior, vibrational, optic and magnetic properties of new hybrid (C5H14N2)[CuBr4]
Mohamed Ben Bechir	Study of Charge Transfer Mechanism and Dielectric Relaxation of All-Inorganic Perovskite CsSnCl3
Imen Sayer	Crystal structure, DFT studies and thermal characterization of new luminescent stannate (IV) based inorganic-organic hybrid
	compound
Nissaf Mzabi	Synthesis and characterization of nano-sized ZnO particles
Ibtissem Ben Assaker	Electrochemical growth of nanostructured semiconductors for Renewable Energy applications.
Sihem Rmili	Geochemical and mineral characterization of clay formations in central-northern Tunisia
Safa Hamdi	Influence of Dy doping on structural, morphological and optical properties of ZnO nanopowdres
Soumaya Sidaoui	Study of new hybrid materials based on metals, amines and halogens: synthesis, structures and properties.
Ben Gzaiel Malika	Temperature induced phase transitions in semiconducting [(CH ₃) 4P] FeCl ₄ : a Raman scattering and dielectric permittivity
Salim RAJEH	Effect of Ni dopping on physical properties and ethanol response of sprayed ZnO films
Amal ELGHOUL	Structures, transitions de phase, propriétés électriques et optiques d'un nouveau matériau pérovskite [C1-(CH2)2-NH3]2CuCl4