


Conference program


Monday 23 October 2023

University auditorium



08:00	09:30	Registration
09:30	10:30	Opening Ceremony
10:30	12:00	plenary conference Prof. Hafid AOURAG HOW TO ACCELERATE THE DISCOVERY OF NEW MATERIALS?


Faculty of Matter Sciences

12:00	13:30	
-------	-------	---

		Chairman : Prof. Fouzia Bouharkat	
13:30	14:15	plenary conference	Prof. Valerii VASSILIEV OPTIMIZATION OF THE HEAT CAPACITIES OF SPHALERITE PHASES AS SINGLE SYSTEM OR HOW NUCLEAR PHYSICS HELPS CHEMISTS.
14:15	15:00		Prof. Zouleikha CHARIFI DEVELOPMENT OF NEW THERMOELECTRIC POWER GENERATION MATERIALS.
15:00	15:15		
15:15	15:30	Oral communication	Walid REZIG EFFECT OF CALCINATION ON STRUCTURE AND PHOTOCATALYTIC PROPERTY OF Fe DIATOMITE HYBRID PHOTOCATALYST FOR IMPROVING REDUCTION OF TEXTILE DYE.
15:30	15:45		Salim TRIAA CALCULATION OF THE ACTIVATION ENERGY OF CRYSTALLIZATION OF NANOSTRUCTURED TiAl ALLOY PRODUCED BY MECHANICAL ALLOYING.
15:45	16:00		Houda GHAMRI CALPHAD MODELING OF INTERMEDIATE PHASES BASED ON TWO SUBLATTICE MODEL.
16:00	16:15		Abla BENDAHAH AMELIORATIONS DES PROPRIETES PHYSIQUES DE MONOXYDE DE SAMARIUM (SmO) DOPE.
16:15	16:30		Zoulikha BOUNAADJA DEVELOPING ASPHALT CONCRETE PROPERTIES USING POLYMERS.
16:30	16:45		Nesrine TAGUIDA THEORETICAL STUDY OF THE OPTICAL PROPERTIES OF CdSnP ₂ CHALCOPYRITE.
15:00	17:00	poster session online	

Tuesday 24 October 2023

		Chairman : Prof. Gokay UGUR	
08:30	09:00	Plenary conference	Prof. Emre GULER A COMBINED THEORETICAL AND EXPERIMENTAL STUDY FOR NOVEL TITANIUM BASED BIOMATERIALS.
09:00	09:30		Prof. Lakhdar HACHANI SOLIDIFICATION OF METALS AND ALLOYS: BENCHMARK EXPERIMENT & NUMERICAL SIMULATION.
09:30	09:45	Oral communication	Ayoub RAHMOUNI EXPERIMENTAL INVESTIGATION OF PHASE DIAGRAMS IN THE Sb-Sn SYSTEM.
09:45	10:00		Abdelhak KERBOUB PREDICTION OF PHYSICALS PROPERTIES OF ZINTELCOMPOUNDS Ba ₂ P ₇ X (X = Cl, Br, I).
10:00	10:15	 Coffee Break	
		Chairman : Prof. Valerii VASSILEV	
10:15	10:30	Oral communication	Haroun RIGHI DEVELOPMENT OF A GRAPHICAL USER INTERFACE FOR VASP CODE: "LEPCM-VASPGUI".
10:30	10:45		Afaf DJARAOU SOLIDIFICATION OF AN Al-Mg ALLOY UNDER SURFACE TENSION ANISOTROPY.
10:45	11:00		Hadda KRARCHA FIRST PRINCIPLES INVESTIGATION OF STRUCTURAL, ELASTIC, ELECTRONIC AND VIBRATIONAL PROPERTIES OF DICISIUM CLORIDE PEROVSKITES (M=TI,MO & MN).
11:00	11:15		Naouel CHELIL EFFICIENT CHARGE CARRIER SEPARATION ENABLED BY POLARIZATION IN POLAR Cu ₂ Se AND SOLAR HARVESTING: FIRST-PRINCIPLES INVESTIGATION.
11:15	11:30		Baraka OUSSAMA PHASE STABILITY, ELECTRONIC, MAGNETIC AND ELASTIC PROPERTIES OF OS ₂ VGE HEUSLER COMPOUND.
11:30	11:45		Widad LOUAFI INVESTIGATION OF MECHANICAL PROPERTIES OF TMDs MATERIAL BY DFT.
11:45	12:00		Mohammed HADBI INVESTIGATION OF TERNARY INTERMETALLIC HALF- HEUSLER COMPOUNDS Al _r Sb (A= Hf, Ti) WITH 18 VALENCE ELECTRONS: A THEORETICAL EXPLORATION
12:00	13:30		 LUNCH TIME
		Chairman : Prof. Emre GULER	
14:00	14:30	plenary conference	Prof. Gokay UGUR ELECTRONIC AND OPTICAL PROPERTIES OF 2D MATERIALS
14:30	14:45	Oral communication	Abdelhak FERROUDJ A NOTE IN ASSESEMENT OF BINARY PHASE DIAGRAM.
14:45	15:00		Aissam HIDOUSI VACANCY DEFECTS IN CZTS THIN-FILM SOLAR CELLS: A DFT INVESTIGATION.
15:00	15:15		Rabia BENHAFID THERMODYNAMIC REASSESSMENT OF THE ALUMINUM-GERMANIUM AND ALUMINUM-CERIUM

			SYSTEMS SUPPORTED BY FIRST-PRINCIPLES CALCULATIONS.
15:15	15:30		
Chairman : Prof. Zouleikha CHARIFI			
15:30	15:45	Oral communication	Wafa SOUCI SYNTHESIS AND PHYSICO-CHEMICAL PROPERTIES OF COPPER NANOPARTICLES.
15:45	16:00		Meriem FODIL REVEALING THE STRUCTURAL, ELECTRONIC AND MECANICAL PROPERTIES OF $Ca_{1-X}Np_XSn_3$ (X=0, 0.5,1) ALLOYS .A THEORY CALCULATION.
16:00	16:15		Hiba ELARABI PREDICTION OF THE STRUCTURE, ELECTRONIC, AND MAGNETIC PROPERTIES OF $CrMnCo_2Si_2$ DOUBLE HALF-HEUSLER ALLOYS.
16:15	17:00	closing ceremony	