

Djilali Lyabes University, Sidi-Bel-Abbes, Algeria
Physico-Chemistry Laboratory Of Advanced Materials



ICMSE'2024 PROGRAM *Conference*



The 3rd edition of the international conference on
Materials science and engineering and their impact on the environmen

29-30 MAY 2024

EDEN HOTEL SIDI BEL ABBES



WEDNESDAY May 29, 2024 (Morning)

08.00

Welcoming participants, distribution of documents and check in

09.00 – 10.00

Opening Ceremony

A word from Pr AMERI Mohammed the President of the ICMSE 2024 Conference.

A word from Pr ATTOUCHE Mohammed Kadi The dean of the faculty of exact sciences

A word from Professor AMARNA Messaoud: Director of the Human Rights Laboratory at Algiers 3 University, Member of the National Economic, Social and Environmental Council and Secretary General of the National Federation of Higher Education and Scientific Research.

A word from Pr BOUZIANI Merahi the Rector of the Djillali Liabès University of Sidi Bel Abbès.

10.00 – 11.00



Lecture 1 : Pr Aourag Hafid - SMRIS-CRTI, Oran, Algérie

Pourquoi l'innovation en Science des Matériaux est très difficile ?.

11.00 – 12.00

Coffee Break & Poster Session 1

Evaluators:

- Pr BOUKLI Hacem Amine

- Dr BOUYAD Linda

- Dr. SIDHOUM Mohammed

12.00 – 13.00



Lecture 2 : Pr JELLALI SALAH - Sultan Qaboos University, Oman

Biomasses and mineral wastes turning into biochars : characterization and application for nutrients recovery from actual wastewater .

13.00 – 14.30

Lunch

WEDNESDAY May 29, 2024 (Afternoon)

14.30 – 15.30



Lecture 3 : Pr YARUB AL-DOURI - Technology Innovation Institute, Abu Dhabi, United Arab Emirates

Future perspective of nanotechnology : Industrial and biomedical application .

15.30 – 16.30



Lecture 4 : Pr Amar Tilmatin - Univ. Of Sidi Bel-Abbès

Séparateurs électrostatiques des particules: application à la récupération des matériaux plastiques et métalliques .

14.40 – 16.00

Oral Communications -
Session 1 (Room A)

Evaluators:

- Pr BOUHAFS Bachir

- Dr KHATIR Radja

Oral Communications -
Session 2 (Room B)

Evaluators:

- Pr HARRACHE Djamila

- Pr BOUYAKOUB Zahira

Oral Communications -
Session 3 (Room C)

Evaluators:

- Dr. CHIALI CHARIF Khadidja

- Dr. KHALDI Amina

16.00 – 17.00				Coffee Break & Poster Session 2 Evaluators: - Pr BENZAIR Abdenour - Pr BENKHATOU Noureddine -Pr FASSI Benattou			
16.20 – 18.20		Oral Communications - Session 4 (Room A) Evaluators: - Pr RACHED Djamel - Pr BENKHATOU Noureddine	Oral Communications - Session 5 (Room B) Evaluators : - Pr HARRACHE Djamila - Pr BOUYAKOUB Zahira	Oral Communications - Session 6 (Room C) Evaluators : - Dr CHIALI CHARIF Khadidja - Dr. KHALDI Amina			
THURSDAY May 30, 2024 (Morning)							
09.00 – 10.00			Lecture 5 : Pr Hamrouni Bachir - Faculty of Sciences of Tunis Chemistry and materials science to cope with water scarcity.				
10.00 – 11.00			Lecture 6 : Pr Samir Romdhane - Tunis El Manar University, Tunisia Organic Solar Cells : Material Innovations for a Sustainable Energy Future .				
11.00 – 12.00			Lecture 7 : Pr MATTHEUS GOOSEN - Alfaisal university, Saudi Arabia Sustainable Development, Renewable Energy & Advanced Materials research .				
09.00 – 12.20		Oral Communications - Session 7 (Room A) Evaluators: - Pr BOUHAFS - Pr BOUKLI Hacen Amine	Oral Communications – Session 8 (Room B) Evaluators : - Pr RAMDANI Nadia - Dr DRIZ Samia	Oral Communications - Session 9 (Room C) Evaluators : - Dr BOUYAD Linda - Pr BENGHAREZ Djamilia			
12.00 – 13.00				Coffee Break & Poster Session 3 Evaluators: - Pr HIRECH HOUARI - Dr ARBOUCHE Omar - Dr TAYEBI Nadjia			
13.00				Check Out and Departure			
Opening online communications							

List of Oral Communications

14.40 – 16.00		Oral Communications - Session 1 (Room A)
14.40 – 15.00	O-01 Abderrahmane Reggad	Predictive properties of the nickel sulphide NiS
15.00– 15.20	O-10 Nehila Tarek	Modeling and Simulation of Heat Transfer by Natural Convection with Periodic Heat Source in Fluid-Structure Interaction System
15.20 – 15.40	O-14 Tarik Ouahrani	The role of intrinsic point defects on the production of green hydrogen fuel on the Cu ₂ WS ₄ single-layer: ab initio calculation
15.40 – 16.00	O-23 mohand-amokrane lounis	Structural Damage Identification in composite beam using modal data and metaheuristic
14.40 – 16.00		Oral Communications - Session 2 (Room B)
14.40 – 15.00	O-04 REZIG Naima	Bending behavior of sandwich structures with glass and carbon fiber skin and PVC foam
15.00– 15.20	O-05 Merabti Mohammed Elamine	Study of pharmaceutical products elimination by using carbon-based material
15.20 – 15.40	O-21 MITICHE LYNDA	Transport sélectif des ions métalliques Cd(II) par D2EHPA dans une cellule microfluidique
15.40 – 16.00	O-25 FERHAT Mahmoud	EXTRAITS DE PLANTES COMME INHIBITEURS DE CORROSION VERTS POUR LA PROTECTION DES METAUX
14.40 – 16.00		Oral Communications - Session 3 (Room C)
14.40 – 15.00	O-58 ALLAL Farida	Green synthesis, characterization and antibacterial activity of eutectic mixtures of metronidazole
15.00– 15.20	O-59 charef mustapha abd el djabar	Microbial fuel cell: a greener way to protect the environment
15.20 – 15.40	O-07 Manel Nardjes Toumi	Impact of the Pulsed Electric Field on the extraction of the phenolic compounds of an industrial plant: Eucalyptus globulus
15.40 – 16.00	O-18 DEHAR Mokhtaria	WATER TREATMENT WITH COMPOSITE BEADS (CALCIUM-ALGINATE/ACTIVATED CARBON)
16.20 – 18.20		Oral Communications - Session 4 (Room A)
16.20 – 16.40	O-19 Mohamed Amine Chenafi	Impact of various doping elements on the structural and electronic properties of quaternary chalcogenides CZTS : DFT study
16.40 – 17.00	O-55 AMARI Malika	Investigation of Structural and Magnetic Properties of Mn ₂ ZrP: A Heusler Compound with X ₂ YZ Formula
17.00 – 17.20	O-56 Houcine CHORFI	Fine-tuning the strategy XtalOpt + Gibbs2 codes. Application to thermoelectric compounds (AgCl,

	PbTe and CoSb ₃) under stress: Phase diagrams pT
17.20– 17.40	O-02 ABDOUS Slimane Experimental Evaluation of Boron Carbide-Based Nanocomposite for Nuclear Shielding Against Highly Ionizing Radiations
17.40– 18.00	O-52 Khatir Radja First-principles investigation of: AgBr _{1-x} (0 ≤ x ≤ 1) ternary alloys
18.00– 18.20	O-60 Ben Hamid Abdelkader International and National Efforts to Protect the Environment from Chemical Pollution Between Innovative and Traditional Mechanisms
16.20 – 18.20	Oral Communications - Session 5 (Room B)
16.20 – 16.40	O-33 BELKRALLADI HALIMA Traitements Plasmagène et Plasmacatalytique D'un Colorant Anthraquinonique.
16.40– 17.00	O-08 loubna benhabib Optimisation of the photovoltaic efficiency of a cell based on GaAs
17.00 – 17.20	O-37 Wafà BENSTAALI Optimization of Sn ₂ S ₃ BSF layer to improve CIGS thin film solar cells
17.20– 17.40	O-42 BLAHA Lamia Farah Investigations of physical aspects of spinel AAl ₂ O ₄ oxides via ab-initio calculations
17.40– 18.00	O-28 FASSI Benattou PbS Colloidal Quantum Dot-Based Photodetectors: A Promising Approach for Enhanced Performance in Visible Light Communication Systems
18.00– 18.20	O-47 TAYEBI Nadja Investigation des propriétés structurales des nitrures de métaux de transition
16.20 – 18.20	Oral Communications - Session 6 (Room C)
16.40 – 17.00	O-06 Kheir Eddine KHODJA Cross-linked alginate biocomposite beads for Methylene Blue removal. Optimization study using a statistical approach based on a full factorial Design.
17.00 – 17.20	O-22 Fatima zohra ZEGGAI Highly Potent Antibacterial Copper-Based MOFs/Na-Alginate Composite Beads
17.20 – 17.40	O-03 BENADDA MOHAMED Terpolymer of Propylene Oxide - Styrene- Methyl Methacrylate
17.40– 18.00	O-27 DRIZ Samia Fiber Optic Nanotechnology: Shaping the Future of Communication
18.00– 18.20	O-24 AMERI Ibrahim Experimental study of structural inhomogeneities in Heusler materials
09.00 – 12.00	Oral Communications - Session 7 (Room A)
09.00 – 09.20	O-20 DENNAI Benmoussa Numerical Simulation of Tunnel Junction in Multi-Junction Solar Cells Using Silvaco Atlas Software.
09.20 – 09.40	O-36 Atouani Toufik Effect of the Electrodes Interface on Dye-Sensitised Solar Cell (DSSC) Performances
09.40 – 10.00	O-50 ZAZOUA Fatiha Ab initio full-potential study of properties and magnetic phase stability of rare earth diboride compounds
10.00 – 10.20	O-11 ABDEL DJEBAR Hasnia THEORETICAL INVESTIGATION OF THE ANTI-ALZHEIMER POTENTIAL OF A NEW ORGANIC

SUBSTANCE	
10.20 – 10.40	O-32 Hamza SOUALHI Influence of slag powder in rheological behavior of ecofriendly concrete
10.40 – 11.00	O-44 Abdallah Timmaoui Electrochemical characterization of the AMX anion exchange membrane in buffered solution.
11.00 – 11.20	O-57 Chafia Métaoui Magnetic, electronic, dielectric, Optic , Properties of emergent inverse Heusler metamaterial: Rh ₂ HoSi
11.20 – 11.40	O-53 RACHEDI Samia Etude des propriétés physiques des matériaux piézoélectriques : premier principe de l'effet de la pression
11.40 – 12.00	O-16 Ramdani nadia Characterisation of leachates from the Sidi Bel Abbes landfill site and their treatment by adsorption on Hydroxyapatite
09.00 – 12.00	Oral Communications - Session 8 (Room B)
09.00 – 09.20	O-39 Chouikhi Manel Safia Elaboration of polymer network hydrogel for the removal of dyes from wastewater
09.20 – 09.40	O-40 Bachir ALLAM Optimizing thermal management and temperature control of building brick walls through integration of phase change materials: A case study in Bechar city
09.40 – 10.00	O-41 mekhloufi belkacem The impact of material choices on greenhouse gas emissions and climate change
10.00 – 10.20	O-45 Lina Benkraled Effect of Annealing and Plasticization on the Crystallization and Thermo-mechanical Properties of Poly(lactic acid)
10.20 – 10.40	O-48 Chaabane Lynda Amel The Determinants of Permeable Concrete Behavior: Exploring Intrinsic Characteristics
10.40 – 11.00	O-31 Nour el houda BOUDA On the error analysis in NOMA networks: assessing the impact of environmental interference and imperfect SIC
11.00 – 11.20	O-12 CHIALI CHARIF KHADIDJA ESSAI D'ADSORPTION DU CADMIUM PAR UN CHARBON ACTIF ISSU D'UN DECHET AGROALIMENTAIRE
11.20 – 11.40	O-46 HAFFAF Wissem Synthesis and Characterization of Polymer-Based Nanocomposites Reinforced with Magnesium-Aluminum and Zinc-Aluminum Layered Double Hydroxides.
11.40 – 12.00	O-17 mahdjoub kheireddine zoubir Structural, electronic and optical properties of perovskites compounds XBS ₃ (X: Cs, In).
09.00 – 12.20	Oral Communications - Session 9 (Room C)
09.00 – 09.20	O-13 Ilyes BOULEDJOUAD Preparation and characterization of offertite zeolites exchanged with copper, silver, and zinc for antibacterial applications
09.20 – 09.40	O-15 Belmimoun Asmaa valorization of date seeds for the formulation of an activated carbon with a purifying effect on industrial oils
09.40 – 10.00	O-34 CHAHED HALIMA BaYAlZn ₃ O ₇ :Sm ³⁺ -based LEDs Leading the Way in Efficient and Sustainable Visible Light

Communication	
10.00 – 10.20	O-35 KEBAILI RIMA Enhancing Next-Generation Optical Systems with PtSe ₂ /ultrathin Al ₂ O ₃ /Ge -Based Photodetectors
10.20 – 10.40	O-51 Nabila AISSIOU Lignin-Phenylhydrazone as a Corrosion Inhibitor of API X52 Carbon Steel in 3.5%NaCl and 0.1 mol/L HCl Medium
10.40 – 11.00	O-38 Maroua Nihel BENABDALLAH Modeling for Electrical Conductivity of Polymer/Graphene Nanocomposites
11.00 – 11.20	O-54 Abd Elouahab Noua Enhanced photocatalytic activity of monometallic Ag, Cu nanoparticles loaded on ZnO prepared via modified polyol process
11.20 – 11.40	O-30 Hamza Medjadji Photocatalytic hydrogen production over MFe ₂ O ₄ (M=Ca, Cu) nano-spinel powders under visible light irradiation.
11.40 – 12.00	O-29 Yerou Amine Mechanical Characterization of a biocomposite based on polypropylene reinforced with oyster shell particles
12.00 – 12.20	O-49 Rachid Ouhib Industrial Textile Wastewater Treatment And Potential Of Reuse

List of Poster Communications

Poster Session 1 29-05-2024 11.00 – 12.00

P-001	Dra Rafik El Arslene	Adsorption of Methyl Orange and Methylene Blue by a Biomaterial: Kinetic and Thermodynamic Study
P-002	Benouali Mohamed Elamine	Synthesis and application of nickel nano-composite
P-003	Ziani Zakaria Abdelhafid	Elastic, magnetic and electronic behaviors of EuFe ₄ P ₁₂ Filled-Skutterudite: DFT+U study
P-004	Messadi Larbi	Elastic anisotropy and magnetic properties of CeNiSb Half-Heusler: First-principles investigation.
P-005	Khalida Mechttem	The Impact of Emulsifier on (1:1) Metronidazole:Ethylcellulose Nanoparticles' Characteristics
P-006	Benzaidi Orkia	Microporous Activated Carbon from wood waste and its Application in the Removal of Rhodamine B from Aqueous solution
P-007	Djebour Benali	Structural, elastic, electronic and dynamical properties of BaLiF ₃ Perovskite : Pseudopotentials study
P-008	Hanane Moussa	Structural and magnetic properties of PrCrO ₃ and PrVO ₃ magnetic perovskites: DFT+U study

P-009	Mohammed Krarroubi Chaimaa	Ab-initio study of new conventional superconducting materials
P-010	Ouali Asmaa	Modification and characterization of activated carbon using magnetic (Fe ₃ O ₄) and ZnO nanoparticles
P-011	Mohammed el amine Facih	Advancements in Fuel-Rich Propellants: An In-depth Exploration of Boron Coreshell with Sodium Azide for Enhanced Combustion Efficiency in Propulsion Systems
P-012	Louafi Elamine	Spinel ferrite nanoparticles-graphene oxide nano-composite: synthesis and its catalytic effect on the thermal behaviour of nitrocellulose-based mixture
P-013	Kalache Chaïmaâ	Study of chemical composition and biological activity of different plants
P-014	Maiti Chaimaa	Elaboration de Nanoparticules Mésoporeuses et Dégradation par Ozonolyse du Diclofenac de Sodium
P-015	Mokrane Setti	Study of structural and electronic properties of Perovskite SrMoO ₃ using FP-LAPW method
P-016	Ait Amer Ahcene	Preparation of a Novel Membrane of Poly (4-Chlorostyrene) clay composite, by cationic polymerization of p-Chlorostyrene using green catalysis
P-017	Oussadi Karima	Extraction of biopolymers from sheep's wool and their environmental preservation
P-018	Khelil Mohamed	Structural and optoelectronic of the triangular quaternary system BxIn _{1-x} NyAs _{1-y}
P-019	Rahla Miloud	matériaux composites à fibre végétale
P-020	Sana Bakhta	Prédiction des propriétés structurales , élastiques et électroniques de la pérovskite CaTaO ₃ .
P-021	Belghoul Hafida	Ab initio study of the structural, electronic and optical properties of BSb and BN compounds and their superlattices
P-022	Zoubir Benkhanouche	Simulation of the energy of graphene nanoribbons by the DFT method with the SIESTA code
P-023	Benharat Samira	Developing a novel model for replicating the electric discharge phenomenon in the rod-plane air gap system
P-024	MEGHOUFEL Zahira Faiza	High-efficiency thermoelectric converter material: First-principles calculations of KBiBa half-Heusler compound
P-025	Rezig Walid	Highly efficient removal of industrial dye under neutral conditions by UV photocatalysis process using novel TiO ₂ /Fe diatomite composite
P-026	Khatir Radja	First-principles studies of novel lead-free halide double perovskite
P-027	korichi hakim	Study of the characteristics of the p+ emitters Produced during the metallization of the rear surface of n-type silicon solar cells
P-028	Amina Dendane	Optical and bonding properties of hybrid metal-halide (CH ₃ NH ₃ NP) PbX ₃ (X = Br) perovskite: A density-functional theory study
P-029	Amine Abdelkader Guermoudi	MEASUREMENT OF SILICON NITRIDE THIN-FILM THERMAL CONDUCTIVITY USING THE 3-OMEGA METHOD
P-030	Abderrahmane Younes	Magnetic and Structural Properties of FeTiO ₂ Nanocomposite Produced by Mechanosynthesis Technique
P-031	Liamani Samira	Contribution to the analysis of interfacial damage of biomaterials
P-032	Nawal Belmiloud	Structural, mechanical, thermodynamic and dynamic stabilities off NaCaN half-heusler compound
P-033	Rachid Amraoui	Impact of Cu on the Magnetic Properties of FeTiO ₂ Nanocomposite
P-034	Oughreb Chewki	Phonon and electronic transport properties of FeZrTe heusler alloy for thermoelectric applications
P-035	Oumeria Khelladi	Understanding the Mott Insulator to Superconductor Transition in Quasi-Two-Dimensional Iron-Based Compounds: A Density Functional Theory Study
P-036	Drici lamia	The structural, elastic, electronic and optical properties of CaCuP and CaAgP alloys have been investigated through first-principles calculations.
P-037	Merah Somia	Study of the physical properties of halogen-based perovskite materials

P-038	Nebbat El Amine	On Vortices structures in non ideal magnetized dusty plasma
P-039	Bouam Newres	Planning the Trajectory of a Mobile Robot Using the A(*) Star Algorithm
P-040	Nardjes Randa Hamdaoui	Influence of Ag doping on opto-electrical properties of copper oxide thin layer deposited by spray pyrolysis root
P-041	Mohamed Kouider Amar	Predictive Modeling of Intrinsic Viscosities in Polymer Solutions Using Advanced Algorithms
P-042	Fatma Riahi	Structural and photoluminescence properties of Li co- doped (GdxLu1-x)2O3: 5% Eu3+ nanomaterials scintillators prepared by sol gel method
P-043	Malika Saidi	Elaboration et caractérisation de composites à matrice polyuréthane nanochargée avec des nanoparticules de ZnO-La
P-044	Rachida Douani	Elaboration de détecteurs d'humidité à base de biocomposites kératine/ x% nanoparticules d'argent.
P-045	Mazari Halima	Optimisation of a heterojunction solar cell: InGaN/SnS
P-046	Amel Dadda Khorsi	Analysis of radioactive materials behavior in the environment during the nuclear accident
P-047	Cheridi Amina Lyria	Numerical study of the ambient temperature influence on a vortex tower performance
P-048	Mounir Ould-Mohamed	Theoretical Prediction of Monolayer SchFNO2 as a Potential Material for Ultraviolet Photodetection
P-049	Ahmed Chabane	Multi-Objective Optimization of Biodegradable Polymer-Based Microspheres Loaded with Candesartan Cilexetil
P-050	Merazi Sayah	The amplitude distribution of the total enthalpy flux at the cathode interface in TIG welding
P-051	Kheira Ameur	Predictive Study and Simulation of the Photoelectric Behavior of a CH3NH3PbI3 Perovskite Solar Cell
P-052	Belgacem Leila	Effect of shielding gas on tungsten cathode performance during DC TIG welding
P-053	Arbouz imene	Adsorption and degradation of methylene blue (MB) Dye Using nonlinear optical (NLO) active copolymer composite
P-054	Brahim Guezzen	Analysis of adsorption of Congo red dye onto trioctylmethylammonium modified Algerian bentonite using Box-Behnken design approach
P-055	Mekhalef Benhafsa Leila	Ab-initio study of TIGeX3 (X= Br, Cl) for photovoltaic applications
P-056	Lounis Zakia	Stability Analysis of SnO2 Thin Film Gas Sensors Using tools (AES, EELS and AFM)
P-057	Douma Bouthiba Asma	Structural, Electronic, and Elastic Properties of New Halid Peroveskite (RbRaI3) from Ab initio Calculation.
P-058	Amel Mekki	Catalytic behavior and antibacterial/antifungal activities of new MNPs/zeolite@ alginate composite beads
P-059	Meryem Romaissa Djellouli	Inter-Satellite Simulation with Custom Modulation: Enabling DVB-RCS2 Integration with Optical Communication Networks
P-060	Amira Delloum	Investigating the Structural and Electronic Properties of AlN/GaN Superlattices Along (110), (110), and (111) Growth Axes Using First Principles
P-061	Khatir Ouail	Theoretical investigation of structural, mechanical, and thermodynamic properties of HfX2 (X=S, Se) using first-principles calculations
P-062	Bouaziz Ilhem	Multilayer Perceptron using Molecular Descriptors to model the Essential Oil Yield from Medicinal Herbs
P-063	Mehdi Hammar	Exploring Green Solvents for the Separation of Imidacloprid from Aqueous Environments: A Theoretical Study on Behavior, Stability, and Environmental Implications
P-064	Noreya Bestaoui-Berrekchi Berrahma	Exploring the Structural, Electronic Properties and Reactivity of Benzimidazole derivative in Solvent Environment using DFT Study
P-065	Bouam Abdallah	Influence Analysis of the Ambient Conditions on the Vortex Tower Prototype Performance
P-066	Bellahcene Fatima Zohra	Ab-initio invstigation of structural,electronic, magnetic and optical proprieties

	Zoulikha	of a novel double perovskite : Sr ₂ CeRuO ₆
P-067	MEDJDOUB Lahouaria	Synthèse d'un matériau hybride-Organophosphazène- catalysée par l'argile(MaghniteH+)
P-068	Ghribi Saadia	The internal repair by bonding the composite patch
P-069	Moufida Beroual	Physicochemical properties of nanocrystalline cellulose isolated from artichoke microcrystalline cellulose
P-070	Dahia Ahmed	Source term calculation and risk evaluation during accidental release of BWR Nuclear Reactor
P-071	Boussahra Sarra Mama Nor El Houda	Étude numérique du facteur d'intensité de contrainte dans les structures navales endommagées par fissuration
P-072	Marwa Jdidi	Adsorption of cationic dyes using surfactant modified algerian clay : kinetic and adsorption mechanism studies.
P-073	Badi Ridha	Numerical Simulation of The Mechanical Behavior and Feasibility of a Hip Prosthesis Architecture.
P-074	Rebiha Bencherik	Reinforcement of the properties of biodegradable PLA-based films by integration of nanoparticles and bioactive agent
P-075	Douaa Khelladi	Homogenization of Heterogeneous Structures Using the Finite Element Method
P-076	Redjough Nour Elhouda	Deposition and Characterization of Nanostructured Copper Oxide (CuO) Thin Films using Sol-Gel Dip-Coating Technique
P-077	Abderahim Abada	Magnetic and structural properties of nanostructured FeSn alloys elaborated via ball milling process
P-078	Boukais Meriem	Effect Of The Absorbent Layers On The Performances OF The SiGe Thin-Films Solar Cell
P-079	Lemya Amrani	Ab-initio calculations of structural ,electronic,optical and thermoelectric properties of a noval hybrid double perovskite Na ₂ LiMgH ₆ compound for advanced energy storage system
P-080	Abdelli Abdelbasset	Computational prediction of structural, electronic, elastic, optical and thermoelectric properties of YVReZ (Z =Al , Ga, In) Yttrium based quaternary Heusler alloys for optoelectronic and thermoelectric applications: A DFT study.
P-081	Talbi Khedija	Electronic and thermoelectric properties of Half-Heusler compound: Spin orbit coupling effect
P-082	Aidrous Hakima	Effect of Magnesium on the dielectric properties of an alloy (Al-3%Mg) alloy for humidity sensor applications
P-083	Alili Nabila	Impact of Convergent Angle Variations on Rocket Nozzle Performance parameters
P-084	OUAHAB Iman	All Optical 1D Ternary Photonic Crystal Biosensor for Detection of Cancerous Brain cells
P-085	Dine el hannani mohamed	First principle investigation of structural, electronic and magnetic properties of cubic LaFrO ₃
P-086	Mme. Boukertouta Ghadir	Investigation Of Re(I)-Tricarbonyl 1-2-4 Triazol Complexes By DFT Method
P-087	Mohammed Amine Djefal	Numerical Investigation of Aspect Ratio Impact on Regenerative Cooling Heat Transfer in Liquid Propellant Rocket Engines
P-088	Amel Slamani	Investigation of structural, mechanical, electronic and thermodynamic properties of YLuNi ₂ Sb ₂ double half Heusler: FP-LAPW Method
P-089	Guermit Youcef	Revealing half metallicity of new full-Heusler compound
P-090	Hocine Kamel	A computation exploration of physics properties of new iradium based fulHeusler
P-091	Labdelli Boutaleb	Effects of oxygen flow during the annealing process of doped emitters in n-type monocrystalline silicon wafers.
P-092	Rebehi kheira	Study of the Mechanical Behavior of a Standardized Arc-shaped Specimen in PVC
P-093	Bassou Djilali	Synthesis , characterization and bio activities of poly(1-2(Dihydroxyethyl)-3-vinylimidazolium) (poly (ionic liquids))

P-094	Leila Djazia Benmansour	Wave propagation response of double – walled carbon nanotubes
P-095	Zakia Fekih	Optimization of experimental parameters for the electrodeposition of Cobalt-Molybdenum metal layers on a silicon substrat
P-096	Ouari Kheira	Investigating Thin Films of Lead Sulfide (CdS): Production, Analysis, and Theoretical Perspectives for Implementing Biological Detection Devices.
P-097	Miloudi Mohamed Esseddik	Structural, electronic, elastic and optical properties of Sc based equiatomic quaternary Heusler compounds
P-098	Iles Amel	Classical and ultrasonic preparation of new copper based nanocomposites: Application in the antimicrobial activity
P-099	Mr. Zehouani Mohammed Aymen	moleculary imprinted films for bisphénol A retention
P-100	Blaha Nesrine Hadjer	Enhancement in Photocatalytic Properties of Sn-Doped La2O3 Nanostructures
P-101	Debboub Salima	Study of the antimicrobial effectiveness for spinel ferrite nanoparticles of manganese-cobalt doped with cerium
P-102	Zouheyr Dif	Comparative study of ground-motions predicted using stochastic and neuro-fuzzy models
P-103	Megherbi Radja	Vers de Nouveaux Horizons: Nanocomposites d'Argent à Base de Copolymères Greffés Intelligents PVA-g- (PAA co PS)
P-104	Nour el houda Bouda	Non-Orthogonal Multiple Access for Enhanced Cellular Vehicle-to-Everything Communication
P-105	Benaichouba Zahira	Comparative Evaluation of Mechanical Properties of Virgin and Recycled Polypropylene after Aging
P-106	Chellali Abdelhamid	Structural, electronic and magnetic properties of inverse-Heusler alloys Mn2ZrGe: A first-principles investigation.
P-107	Zeggai Nadjet	Structural &Magnetic Properties of DMS
P-108	Blaha Lamia Farah	Structural , electronic and thermoelectric properties of antiperovskite compound Sr3SiO : A first principles study
P-109	Benhadda Abir	Marine Algae-Derived Activated Carbon: A Sustainable Solution for Pollutant Removal.
P-110	Berrouna Henen	Ab-initio predictions of Structural, electronic and magnetic properties of double-Ge-layer MAX phase Cr2Ge2C
P-111	Abderrahmani Fouzia	Synthesis and characterization of CeNiO3 Perovskites to Nitrophenol degradtion
P-112	Mohammed Cherif Terkhi	Green synthesis of ZnO nanoparticles from castor oil leaf extract: Environmental use, kinetic and thermodynamic studies of adsorption of a toxic dye.
P-113	Benyettou Mohammed	Analysis of the effect of aging duration in water immersion of a damaged structure repaired by the bonding process.
P-114	Abdelkrim Benarroudj	Comprehensive Analysis of the Structural, Electronic, Elastic Properties of ternary chalcogenides pnictogens InPnS3 (Pn=Bi, Sb) Compounds: First-Principles Calculations
P-115	Izzeddine Allali	A Robust Interval Type-2 Fuzzy Logic Controller of a Doubly Fed Induction Generator for Wind Energy Conversion
P-116	Semane Rabea	Activation of persulfate by several methods to degrade polyphenols contained in olive mill waste water
P-117	Hamamouche Kahina	Effect of Ultrasound, Microwave Assisted Extraction On Seaweeds Material
P-118	Boutarfa Hayette	Electrochemical studies of anodic oxide films on titanium and TA6V alloy.
P-119	Ibrir Abdellah	Modeling of Drug-Protein Binding Fraction (FB) by CNN-MLP
P-120	kheirallah mohammed	Ab initio electronic structure and magnetism in Sr2MOsO6 (M= Cu or Ni) double perovskite systems: a GGA+U and GGA + U +SOC
P-121	Drief Mohammed	Half-metallic ferrimagnetic characteristics of Ti2-based ternary Heusler alloys.
P-122	Bouragba Djamel	Effects of nitrogen incorporation on the optoelectronic properties of BSb binary compound: Optoelectronic application

P-123	Habeche Fatima	Mesoporous silica doped with AgNPs/CeO ₂ nanoparticles for water pollutant reduction.
P-124	Zahraoui Mehdi	New method of valorization of natural materials and their applications.
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P-128	Ouafia Liamani	Antimicrobial activity of mint essential oils
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P-130	Hakim Bouzemplal	Adsorption Modeling of Various Phenols on Activated Carbon Fibers using Convolutional Neural Network (CNN) and Support Vector Machine with Dragonfly Algorithm
P-131	Mohammed El Amine Boulekbache	Electronic and optical properties of Hg _{1-x} Cd _x Te ternary alloys
P-132	AMERI Mohammed	Structural, elastic, thermodynamic and electronic properties of LuX (X = N, Bi and Sb) compounds: first principles calculations
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P-134	Halima Delali	Isotherme d'adsorption d'un colorant cationique par charbon actif à base de coques de noix
P-135	Bourahla Asma	First Principale calculations of structural,elastic,électronique and magnetic propetiesofAg ₂ BGd fullHeusleralloycomoundsusingGGAandGGA+U: FP-LMTO calculations
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P-137	Chinoune Kheira	Application of the sorption process in the elimination of MB in aqueous solution by Alginate-sepiolite biocomposite beads: adsorption kinetic, and modeling
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P-139	Kandouci Chahinaz	O-LiDAR performance analysis for different Jerlov water types
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P-141	El Badaoui Naima	Physicochemical and biological characterization of residual discharges from the National Electronic Industries Company of Sidi Bel Abbes and risk assessment.
P-142	Lilia Beldi	Ab-initio Investigation of the Structural and Dynamical Stability of Ni ₂ MnSi Full-Heusler Alloy.
P-143	Dellali Mohammed	Development of microparticles based of polysaccharides as novel drug release systems
P-144	Saadia Belkiour	Preparation of a new composite by ultrasonic method(catalytic reduction application)
P-145	Safa Abdelkader	Thermal vibration analysis of FGM Structures
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P-147	Nadir Hachemi	Microscopic study of the effect of desert environmental factors on the materials that make up solar panels .
P-148	Boumendil Sonia	Comparative study of the environment in metal complexes. DFT and TD-DFT study
P-149	Meftah Souad	Optimization of Tin Bath Parameters to Enhance Efficiency in 3mm Thin Glass Production
P-150	Abdelkarim Brahimi	Optimization of adsorption capacity: Application of mathematical modeling
P-151	Saadaoui Fatiha	Structural, elastic, electronic, and optic study of the anti-perovskite Rb ₃ BrO
P-152	Djeffal Rachid	Le rôle efficace des matériaux à changement de phase (MCPs) dans la résolution de problèmes thermiques anciens *Résumé d'une étude approfondie*

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P-154	Belkassam Yamina	Differential immunochemical characterization of monoclonal antibody directed against the beta-casein and its proteolysis products by the plasmin
P-155	Hellal Tijania	BIBLIOGRAPHIC REVIEW ON THE VARIOUS METHODS AND TECHNIQUES OF PHYTOTECHNOLOGY
P-156	Mohammed Cherif Ramdani	Optimizing Performance of Perovskite Solar Cells Based on triple cation Perovskite solar cell through SCAPS-1D Device Simulation
P-157	Benaissa Wissem	Simulation study of chalcogenide perovskite (BaZrS ₃) solar cell by SCAPS-1D
P-158	Ghribi Saadia	Finite element analysis of repair of composite laminates by bonding External patch
P-159	Amel Benmansour	Monte Carlo study of the multilayer system and magnetic properties of the Site-disordered Blume Capel model.
P-160	Hayat Tati	Composite pipelines susceptible to Hydrogen embrittlement : new proposal technics on the protection methods
P-161	Hocine Hayat	A density functional theory study of the thermoelectric properties of CuMg ₂ InS ₄
P-162	Fatima BEKKAR	Synthesis and characterization of a new chelating foaming phenolic resin for extraction of rare earths elements
P-163	Fatma Larbi	Etude de l'effet de l'incorporation de nanocristaux et de nanofibres de chitine sur la structure et propriétés de l'hydroxypropyl méthylcellulose (HPMC)
P-164	Kheira Hamaida	A first-principles investigation of the structural, mechanical, electrical, and optical characteristics of a novel quaternary SrFZnAs compound Mechanical, electrical, optical, and structural characteristics of a novel quaternary SrFZnAs compound: An understanding from the ground up
P-166	TAYEBI Nadjia	Structures électroniques et propriétés magnétiques des nitrures de métaux de transition
P-167	Chaabane Lynda Amel	LES ENJEUX DU BETON DRAINANT PAR LA METHODE DE DREUX GORISSE
P-168	Bouyakoub Amel Zahira	Treatment of Textile Effluents by Combined Methods
P-169	Rachid Ouhib	Removal Of Azo-Dye From Synthetic Wastewater By Coagulation
P-170	Belkhouane Samira	Etude des propriétés structurales, électroniques et thermodynamiques d'un alliage quaternaires Cu ₂ CdSnS ₄ par la méthode du potentiel total-linéaire des orbitales muffin-tin (FP-LMTO)
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P-173	Soud Benkherbache	Numerical Simulation of heat transfer of hybrid nanofluid In PV/T solar panel
P-174	Guermit Mohamed Bilal Chami	Free vibration analysis of FG sandwich beams with porosity
P-175	Latreche Laid	Effect of swap defect on the electronic and magnetic properties of quaternary heuslers alloys
P-176	Bendaïda Mohamed	Analyse Dynamique des nano-structures en FGM
P-177	Ameri Ibrahim	Study of the spin collapse in orthoferrite using LDA+U
P-178	Belkralladi Halima	Identifiquation d'une plante endémique de la region Sud ouest algerien.
P-179	Meryem Mouffok	Influence of Polymer Types and Concentrations on Losartan Controlled Release Microparticles
P-180	Ghali Drici	THE WINKLER FOUNDATION STIFFNESS EFFECT ON THE VIBRATION CHARACTERISTICS OF FGM NANO-BEAM USING THE FINITE ELEMENT METHOD
P-181	Baira Fayçal	Deformation and Electronic Properties of Amorphous Tubes under the Influence of Electric Fields
P-182	Moulay Awatif Amaria	REUSE WASTEWATER
P-183	Maoudj Hanane	Prediction of materials with high thermoelectric efficiency at high pressure.

P-184	Hanagria charifa chahrazed	Synthèse et caractérisation des composites magnétiques et modification par différents concentrations de Ctab pour l'adsorption des terres rares
P-185	Chekroun Mohamed Zoheir	Experimental and numerical study of ZnO nanoparticles
P-186	Toufik Mana	Wear behavior of copper alloys thermal spray coating
P-187	Djefal Abdelkader	Study of the electronic and magnetic properties of the double perovskite Ca ₂ CoMoO ₆
P-188	Hachilif Asma	A Theoretical Study Of A Dynamical Stability of A Novel Double Spinel Zinc Ferrite.
P-189	Harmel Meriem	First principles study of the double perovskite compound Ba ₂ RhWO ₆ for optoelectronic applications
P-190	Mahdjoub kheireddine zoubir	CrYSi (Y= Be, Ra), a half-Heusler with half-metallic ferromagnetic properties: a DFT calculation.
P-191	keniche Assia	Removal of Copper from Industrial Wastewater by seeds of Moringa
P-192	Smain Mesbah	Investigation of A ₂ AlAgCl ₆ (A=Rb, Cs) using first principles: Potential utilization in UV optoelectronics
P-193	Mohammed Houari	Exploring the Physical and Optoelectronic Properties of Co ₂ ZrZ Compounds: Insights from Computational Analysis and Thermoelectric Characterization
P-194	Izzeddine Allali	Commande hybride glissant flou d'un système éolien à base d'une génératrice asynchrone à double alimentation

List of Online Communications

01-06-2024 14h00-17h00		Online Session 1 Evaluators: - Dr BOUYAD Linda -Dr BLAHA Lamia Farah
ON-001	Charif Rania	CASTEP investigation of structural, electronic, and optical properties of NiSb ₂ O ₆
ON-002	Djedjiga Ben Abdesselam	L'influence du glucose sur le dépôt d'argent et la résistance à la corrosion de l'acier inoxydable austénitique 316.
ON-003	Chenoui Mohamed	zero-dimensional Modeling of Dielectric Barrier Discharge in Pure Carbon Dioxide.
ON-004	boulahia salma	E-pharmacophore modelling, virtual screening studies and in-silico ADME analysis for identify new anticancer compounds
ON-005	Boucif Fatima	Removal of Indigo Carmine by Mg/Al layered double hydroxide
ON-006	Bensaci Zineb	The use of solar photovoltaic energy in the field of water treatment
ON-007	Belgharri Benali	Synthesis of FePO ₄ modify by Nickel, and their application in organic synthesis
ON-008	Attouti Salima	Prédiction de l'isotherme d'adsorption optimale : Comparaison des modèles linéaires et non linéaires
ON-009	Ayadi Souad	Wear Behavior of Nb-V-Cr Alloyed High Manganese Steel
ON-010	Amel Gasmallah	Study of the properties of selenium monochalcogenides SnSe and ZnSe by ab-initio simulation
ON-011	Belhamideche Kheira	Efficiency of a shallow geothermal heat exchanger with soil-atmosphere interaction for space heating and cooling in the city of Mostaganem.
ON-012	Wissem Gouasmia	Physical properties of Silver Gallium Telluride (AgGaTe ₂) for sustainable energy technologies applications: A Density Functional Theory Study
ON-013	Asma Bahloul	synthèse et application des nanoparticules



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the environment -ICMSE'2024-**



ON-014	Bendellaa Ramila Chahinez	Biosorption of an inorganic pollutant from aqueous solutions
ON-015	Boumaiza Abdelaziz	Effect of the Magnetic Field on Heat Transfer in a Corrugated Channel
ON-016	Terkhi Sabria	Thermodynamic and Thermoelectric Properties of Ternary Half-Heusler Alloy: Suitable for green energy applications
ON-017	Yasmine Cheddani	Synthesis and characterization of rare earth based coordination polymers with succinic acid and 1,10-phenanthroline
ON-018	Sonia Chebouki	Investigating RbMgH ₃ Perovskite as Promising Material for Future Hydrogen Storage.
ON-019	Maoudj Hanane	Prediction of materials with high thermoelectric efficiency at high pressure
ON-020	Omar Elfarouk Houache	Cocrystal Formation of the API Captopril with L-Arginine and L-Proline: Experimental and Theoretical Insights with DFT Analysis
01-06-2024 14h00-17h00	Online Session 2	
	Evaluators:	
	- Dr MESBAH Ismail	
	- Dr Kandouci Chahinaz	
ON-021	Mounia Alayat	Ab-initio study of the structural, electronic and optical properties of AlN and AlBi binary compounds by the Wien2k code
ON-022	Hemza Mancor	Ab initio investigations of the structure-stability, electronic, and magnetic properties of Cr-doped Na ₂ S
ON-023	Sadou Mohammed	Elaboration and Characterisation of Mesoporous Materials. Study of Catalytic Properties.
ON-024	Briki Hayet	Synthèse et Hydrolyse du polyacrylamide. Effet de la complexation par les ions bivalents.
ON-025	Mohamed El Amine Khiari	Predicting Damage in CFRP Bi-Graded Plates with Glass-Epoxy Materials
ON-026	Abdelkader Benkhattou	Optimization of a customized passive polyurethane foam mattress to optimize the human body's sleeping position
ON-027	Youcef Daoudi	Ab initio investigation of electronic and magnetic properties of Ca _{1-x} TM _x Te (TM= V, Cr, and Mn).
ON-028	Mohamed Esseddik Ouardi	Conception of SPR-based sensor for cancer cell detection
ON-029	Fatna Telli	Using FGM to Predict Damage in carbon-Epoxy Composite
ON-030	Mekersi Romaisa	Synthesis, characterization of the perovskite Eu-doped KNbO ₃ and its application for hydrogen evolution under visible light
ON-031	Bendahah Abla	Study Of The Physical Properties Of Binary And Ternary Compounds Based On Samarium (Sm)
ON-032	Hemza Mancor	the effect of different exchange-correlation functionals on the electronic structure properties of chalcogenide compound Ag ₂ Se
ON-033	Chadi Kamel	The effect of mini channel geometries of AlSi10mg aluminum alloy cooler on the flow and thermal characteristics
ON-034	Asli Faiza	Docking Moléculaire et Pharmacocinétique Appliqués à Une Série D'hétérocycles Quinazoline et Quinoléine
ON-035	Yasmina Bouleghebar	Properties of Self-Compacting Mortar Containing Glass and Brick Powder
ON-036	Saidani Abdelmadjid	Molecular modulation of Falcarinol in Anethum graveolens herbal essential oil against anti-inflammatory activity
ON-037	Blizak Meriem Djanette	Synthesis of NiO nanoparticles by the Pechini sol-gel method
ON-038	Naima Mekhloufi	An experimental study to improve the efficiency of the solar still by adding stuffed tubes to the still basin
ON-039	Melaab Loubna	Well Thickness Dependent Rashba Parameter and Spin Splitting in a (100) Grown GaAs/AlGaAs Double Quantum Well
ON-040	Benchaib Nadia	Numerical investigated to predict the damage in composite beam under tensile load

02-06-2024 14h00-17h00		Online Session 3 Evaluators: - Dr BOUYAD Linda - Dr MESBAH Ismail
ON-041	Zohra Bouchekhou	Development and Characterization of a Ternary Inclusion Complex for Improved Niflumic Acid Delivery
ON-042	Smati Sabrina	Density functional theory and molecular docking study of a novel organic pyrrole-based material
ON-043	Nesrine Labdouni	Numerical Study of Ozone Generated by Dielectric Barrier Discharge in O ₂ -Ar Mixture
ON-044	Fekkar Nadia	DYNAMIC BEHAVIOUR OF CONFINED N-HEPTANE AND WATER IN BIFUNCTIONALIZED MESOPOROUS ORGANOSILICA SBA-15
ON-045	Mansour Houda	A Density Functional Theory Exploration of InAs/GaSb Superlattices for Optoelectronic Potential
ON-046	Amina Lahouali Dit Yahyaoui	2-thioxo -3N-(2-ethoxyphenyl) -5[40-methyl -30N-(20-ethoxyphenyl) thiazol-20(30H)-ylidene] thiazolidin-4-one: Growth, spectroscopic behavior, single- crystal investigation, Hirshfeld surface analysis, DFT/TD-DF computational studies and NLO evaluation
ON-047	Massillia Ait Radi	Ultrasound-promoted Elaboration of Novel Nanocomposites Based On a New Semiconducting Copolymer and Magnetite Nanoparticles Fe ₃ O ₄ : Application in Anionic Dye Adsorption
ON-048	Meddah Araibi Nourredine	Study of The Inhibitory Efficiency on a Steel of Type API 5L X52
ON-049	Imane Bensahbane	COMPUTATIONAL STUDY OF NEW PHTALIMIDO 1, 3-THIAZOLE DERIVATIVES AS CYTOTOXIC AGENTS FOR LEUKEMIA DISEASE
ON-050	Belacheheb Wafaa	The influence of green solvent on the synthèses yield
ON-051	Benssassi Mohamed El Hadi	Bismuth Ferrite as an efficient heterogeneous photo-Fenton-like catalyst for remediation of water contamination
ON-052	Rafik Marir	Evaluation of a Novel Polymer as a Bio-Coagulant for Fruit Juice Wastewater Treatment
ON-053	Belkacem Fatima Zohra	Optimization of pesticide adsorption conditions by intercalated halloysite: equilibrium isotherm study and modeling.
ON-054	Boudjellal Djamel	Valorization of vegetal biomass based lignin
ON-055	Chebahi Asma	Eco-Friendly Synthesis of Biodegradable Plastics : A Study on PHB Production Using Locally Isolated Bacillus sp.
ON-056	Boughanem Mohd Oulmessaoud	Elaboration and characterization of pure CuO, pure ZnO, and ZnO/CuO nanocomposite.
ON-057	Benouadah Nacera	Valorization of Eucalyptus camaldulensis inner and outer barks for biopolymer applications
ON-058	Guettai Hakima	Synthesis of nanotubes based on tartaric acid
02-06-2024 14h00-17h00		Online Session 4 Evaluators: - Dr KHATIR Radja - Dr BLAHA Lamia Farah
ON-059	Benarbia Meriem	Elaboration de poudres de phosphore Lux Gd _{1-x} PO ₄ dopées au Pr ³⁺ par méthode sol gel
ON-060	Bouabida nour El houda	Synthesis and characterization of Nanocomposite of aniline and 2-chloroaniline by polymerization in-situ
ON-061	Kazi Tani Mohammed Yacine	Fabricate a triboelectric nanogenerator from SnO ₂ co-doping fluorine and aluminum
ON-062	Ouardia Zekri	Facile Preparation of a Supported Copper-modified HMS.
ON-063	Messas Amar	Empirical model for masonry infill under lateral loading through extensive database

ON-064	Naamoun karima	Adsorption of asphaltenes in presence of nanoparticles
ON-065	Hafida Zerigui	Synthesis of superabsorbent biopolymer and its applications
ON-066	Khettar Amina	Simulation of a Vehicle Suspension System Using two Control Strategies
ON-067	Makhlouf Fatima Zahra	Nickel nanoparticles-decorated graphite-modified screen printed electrode toward the electrochemical determination of dopamine
ON-068	abboud abir	Experimental Investigation on Improving Refrigeration Systems Performance Using Phase Change Material
ON-069	Guerfi Meriem	Novel α -sulfamidophosphonates analogues of Fotemustine: Efficient synthesis using ultrasound under solvent-free conditions
ON-070	Sefiane Naima	Effect of Gd ³⁺ incorporation on structural and luminescence properties YAG phosphors powder doped with Ce ³⁺ synthesized by sol-gel method
ON-071	Chami Sabah	Effect of temperature and pressure on the thermodynamic properties of Fe _{2-x} NiGa _{1+x} Heusler alloys: An ab initio study
ON-072	Djouher Addadj	Study of the Anti-corrosion Properties of an Expired Drug for Steel in Hydrochloric Acid: Environmental Protection
ON-073	Boukebbous Ines	ÉVALUATION DE L'EFFICACITÉ DE L'HYDROXYDE DOUBLE LAMELLAIRE Mg-Fe POUR L'ÉLIMINATION DU BORE EN PESENCE DES IONS COMPÉTITEURS
ON-074	Sarra Harkati	Improved Mechanically Alloyed Fe-Mo-P Powders Properties for Industrial Exploitation
<p>03-06-2024 14h00-17h00</p> <p>Online Session 5 Evaluators: - Dr BOUYAD Linda - Dr BLAHA Lamia Farah</p>		
ON-075	Radja Nour El Imene Bennoui	Half-metallicity from NaVAs half-Heusler alloy with stable structure in ferromagnetic state
ON-076	Benyakhou sarah	Préparation et caractérisation de matériau hybride à base de poly-2 Aminophényl disulfide renforcé par Silica Gel
ON-077	Louati Nesrine	Ab-initio Study of Structural, Electronic And Optical Properties Of AgAlTe ₂ Compound in the framework of DFT
ON-078	Barkat Lamia	Elaboration and Characterization of Copper-doped tin Oxide Thin films for Photovoltaic applications
ON-079	Oussama DRICI	DFT Calculation of the Structural, electronic and optical properties of the chalcopyrite compound MgSiP ₂
ON-080	Amar Anissa	Influence of Charge Transfers on two-Photon absorption cooperative effects within multi-Dipolar Ruthenium Complexes
ON-081	Afoun Meryem	Absorption of méthylène blue dye from a liquid solution using an organométallique matériel based on iron nitrate
ON-082	Hamadi Zineb	Application of Heusler Materials in the Reduction of Greenhouse Gas Emissions
ON-083	rim roukya Belhoula	Electronic and optical properties of strained Al _{1-x} Ga _x N
ON-084	Sadaoui Loubna	Removal of heavy metals by valorization of agricultural biochar: effect of different activator solutions.
ON-085	Horiya Benharchache	The Impact of Exterior Walls on Algerian Rural Buildings' Energy Efficiency in Various Climate Zones
ON-086	Mechenene Mohamed Lamine	A comprehensive analysis and identification of Lemaitre damage model parameters of DC04 metal sheet.
ON-087	Charif Majda	Doped Bio-Calcium with semi-conductor (Aurivillius) for the Dégradation and élimination of organic pollutants
ON-088	Zanoune Kheira	Polymeric Nanocapsules Loaded with 5-Fluorouracil for Targeted Cancer Therapy
ON-089	Badiaa Bachiri	Optimizing Performance of KSnI ₃ -Based Perovskite Solar Cells with Tin (Sn) using SCAPS Software
ON-090	Chikh Ali.Hadji	ab initio study of the structural and electronic and Optical properties of The New Double Perovskite

ON-091	Abdallah Timmaoui	Electrochemical characterization of the AMX anion exchange membrane in buffered solution.
ON-092	Bourega Mohammed	The influence of nanoparticles on the behavior of droplet generation.

Partners

