



National Conference on Renewable Energy, Materials, and Microelectronics
2-3 December 2024, Tlemcen-Algeria



<https://ncremm2024.univ-tlemcen.dz/ncremm2024/>

PROGRAM

Day1: Monday, December 2, 2024	
Morning	
8h — 9h	Registration
9h—9h30	Opening : Pr Rahmoun Khadidja, General Chair Pr. Meghachou Mourad , Rector of the University of Tlemcen Pr Arrar Zoheir , Dean Faculty of science, Tlemcen Pr Chabane Sari Nasr Eddine, General co-Chair
09h30 — 10h10	Plenary: CONF01/ Chair : Pr Katir ZIOUCHE
	<u>Dr Farid MEDJDOUB</u> Institute of Electronics, Microelectronics and Nanotechnology (IEMN), CNRS,Lille, France Recent progress of vertical GaN-on-Silicon devices
10h10-10h50	Plenary: CONF02/ Chair : Dr Farid MEDJDOUB
	<u>Pr Katir ZIOUCHE</u> Institute of Electronics, Microelectronics and Nanotechnology (IEMN), CNRS,Lille, University Lille1, France Réalisation de micro-dispositifs thermoélectrique. De la fluxmétrie à la récupération d'énergie
10h50 — 11h30	Coffee break
	<u>Poster session P01</u> Chair : Abdelkader AISSAT Co chair :; Benmoussa DENNAI, Souhila BENSMAINE, Salim KERAI , Batoul BENABADJI
	PO1, PO2, PO3, PO4,.....PO21 PO61, PO62, PO63, PO64.

Oral session 11h30-12h30	Salle1 : Central Auditorium Topic1: Materials Chair : <i>Katir Ziouche</i> Co chair : <i>Abdelaziz Lakdja</i>	
11h30-11h45	OR01	<u>DENNAI Benmoussa</u> Numerical study the degradation of III-V semiconductor-based tandem solar cells in the space environment <i>Laboratoire de Développement des Energies Renouvelables et leurs Applications dans les zones Sahariennes (LDERAS), Université Béchar, Algérie, dennai.benmoussa@univ-bechar.dz</i>
11h45-12h	OR02	<u>SACI Hamza</u> First-principles study on the physical properties of halide double perovskite Cs₂CuBiBr₆ Computational Materials Physics Laboratory (CMPL) University of Sidi Bel Abbès, Algeria sacihamza40@gmail.com
12h-12h15	OR03	<u>Ilies Taibi</u> Thiophene-Based Molecular Materials for High-Performance Organic Photovoltaic Applications: Study of Optical Properties Department of Materials and Sustainable Development, University Sidi Bel Abbes, ALGERIA, iliestaibi95@gmail.com
12h15-12h30	OR04	<u>Guerfi Souad</u> Effects of heat treatment on the physicochemical properties of Algerian natural phosphate <i>Research Center in Industrial Technologies CRTI, P.O.Box 64, Cheraga 16014 Algiers, Algeria.</i> guerfisouad@yahoo.fr

Oral session 11h30-12h30	Salle2 Topic2: Renewable Energy Chair : <i>Halima MAZARI</i> Co Chair: <i>Nassera GHELLAI,</i>	
11h30-11h45	OR01	<u>SMAIN Fatiha</u> Design of a Photovoltaic System for Self-Consumption and Excess Energy Injection into the Grid Theoretical physics laboratory. Department of physics. <i>Abou bekr Belkaid University Tlemcen, Algeria, fatiha_smain@yahoo.fr</i>
11h45-12h	OR02	<u>HALIMI Yasmine</u> An Integrated Assessment of Solar Radiation Mapping and Wind Energy Complementarity in Twenty Selected Regions of Algeria Material and Renewable Energies Research Unit, University of Abou Bekr Belkaid, Tlemcen, Algeria Tlemcen, Algeria, yasmine.halimi@univ-tlemcen.dz
12h-12h15	OR03	<u>KENDZI Mohammed</u> Control of Power Production in Wind Turbine System by the Application of MRAC/MIT Rule Controller on Doubly Fed Induction Generator <i>Institute of Technology, Department of Electrical Engineering University Center Salhi Ahmed Naama, Algeria, kendzi_mohammed@yahoo.com</i>
12h15-12h30	OR04	<u>KHERBOUCHE Djamila</u> Simulation of an autonomous hybrid system: case study of the Adrar city in Algeria ESSA Tlemcen Algeria, URMER, Universite de Tlemcen djamila_kh@yahoo.fr
12h30-12h45	OR05	<u>NEMICHE Ahmed</u> Three solutions for solar panel guidance Department of Electrical and Electronic Engineering, University of Tlemcen, technology faculty ahmedmaghnia@yahoo.fr

12h45 – 13h30	Lunch
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Oral session 14h30 —15h30	Salle2 Topic1: Materials Chair : <i>Farid MEDJDOUB</i> Co chair : <i>Benmoussa DENNAI,</i>	
14h30-14h45	OR01	<u>REZALA Aicha</u> Microstructural and micromechanical characterizations of the growing nitrided layer of 30CrMo12 steel Department of Mechanical and Production Engineering Mechanical and Process Engineering Faculty University of Science and Technology Houari Boumediene (USTHB) Algiers-Algeria. arezala@usthb.dz
14h45-15h	OR02	<u>ABDERRAHMANE Younes</u> Effect of milling duration on magnetic behavior of nanocomposite NiFe₂O₄ alloy Research Center in Industrial Technologies (CRTI), PO Box 64, 16014, Cheraga, Algeria. younesabdol@gmail.com
15h-15h15	OR03	<u>BACHIRI Badiia</u> LCOE-Based Cost Analysis of Perovskite Solar Cells with and without PSi Unité de Recherche Matériaux et Energies Renouvelables URMER, University of Tlemcen Abou BekrBelkaid Algeria, bachiribadi3a@gmail.com
15h15-15h30	OR04	<u>BENSENOUCI Souhila</u> Comparative study of conventional and inverted organic photovoltaic cells Abou-Bekr Belkaïd University, Tlemcen, Algeria., Department of Physics, Faculty of sciences, Unit of Research of Materials and Renewable Energy (URMER), souhila.bensenouci@univ-tlemcen.dz
15h30-15h-45	OR05	<u>BELLALI Mohammed Amine</u> Effect of notch size, position and shape on the degradation of repairing damaged structures repaired by composite patch Physical Mechanics of Materials Laboratory (LMPM), Djillali Liabes University of Sidi Bel-Abbes, Algeria. medaminebellali@gmail.com
15h45 —16h45	Coffee break	
	<u>Poster session PO2</u>	
	Chair: Abdelkrim MERAD Co chairs: OULD ABBAS Amaria , MERZOUK Chems el Hayat, RERBAL Benali, BACHIR Nadia	
		PO22.....PO42 PO57, PO58, PO59, PO60

Oral session 14h30 —15h30	Salle3 Topic3: Microelectronic and other topics Chair : <i>Ghaouti BASSOU ,</i> Co chair : <i>Nasreddine Benmoussa, Guen Ahlam,</i>	
14h30 —14h45	OR01	<u>RAHOU Fatima</u> Thermal Effects In New Generation Of Pi Gate SOI MOSFET Transistor Engineering and Electronics Department Faculty of Technology University of Abou-Bekr Belkaid , Tlemcen, Algeria , f_rahou@yahoo.fr
14h45-15h	OR02	<u>FAKIRI Hicham</u> Modeling and Analysis of Natural Frequencies in Fluid-Structure Interaction: Multi-Material Coupling in a Cylindrical Pipe Under Laminar Flow Conditions Using Hamilton's Principle dept. genie mecanical University Tlemcen, Faculty of technology,Tlemcen, drfahcham@gmail.com

15h-15h15	OR03	BENNIA Fatima Impact of circular coils parameters on efficiency <i>Department of Electrical Systems Engineering, University of Boumerdes, Algeria,</i> f.bennia@univ-boumerdes.dz
15h15-15h30	OR04	BENAMEUR Rabaie Intelligent Long-Term Soil Moisture Sensing Using Deep Transfer Learning <i>University of Oran 1, Institute of Applied Science and Technology ISTA, Oran, Algeria,</i> benameurrabaie@gmail.com
15h30-15h45	OR05	ZOUGAGH Nabil Effets de la variation de l'épaisseur de la couche GaN d'une structure Hg/GaN/GaAs sur ses caractéristiques électriques. <i>Département d'Électronique, Laboratoire de Microélectronique Appliquée Université Djillali Liabès Sidi bel abbés 22000, Algérie</i> zougagh1893@yahoo.fr

Day2: Tuesday, December 3, 2024

Morning

09h— 9h40	Plenary: CONF03/ Chair : Pr Katir Ziouche
	<u>Pr Abdelkader AISSAT</u> <i>University Adrar, LASTI laboratory University Blida1, Algeria</i> Modélisation des nanostructures à base des semiconducteurs III-V-Si pour l'optoélectronique
10h50 — 11h	Coffee break
	<u>Poster session PO3</u> <i>Chair : Djamel KALAJI Co chairs : Souhila BENSMINE, Souhila BENSENOUCI, Tewfik BAGHDADLI, Anis CHIALI</i>
	PO43, P44,.....PO52.....PO56 PO65,PO66,PO67, PO68

Oral session 11h— 12h30	Salle1 : Central Auditorium Topic1: Materials Chair : Abdelkader AISSAT <i>Co chair : Katir ZIOUCHE</i>	
11h-11h15	OR01	<u>AMRAOUI Rachid</u> Magnetic and Structural Characteristics Properties of FeSiTiO₂ Nanocomposite Fabricated by Mechanical Milling Technique <i>Research Center in Industrial Technologies (CRTI), Cheraga, Algeria,</i> amrachid21@gmail.com
11h15-11h30	OR02	<u>BOUALEM Soumia</u> Study of the annealing effect in GaN/GaAs Schottky diodes <i>Laboratoire de Micro-électronique Appliquée, Université Djillali Liabès de Sidi Bel Abbès, 22000 Sidi Bel Abbès, Algérie.</i> blm.soumia@gmail.com
11h30-11h45	OR03	<u>BOUCHAALA Abdel Djabar</u> Effect of the Irradiance Variation on the Power Systems voltages for PV system connected to the grid <i>Department of Electric al Engineering, Laboratoire d'électrotechnique de Skikda «LES», Université du 20 Août 1955, Skikda 21000, Algeria</i> bouchaalaabdeldjabar@gmail.com

11h45-12h	OR04	<p><u>CHALABI Nadia Faliha</u> Electrical properties of P3HT/PCBM bulk heterojunction solar cell <i>Unit of Research Materials and Renewable Energy Abou Bakr Belkaïd University Tlemcen, Algeria,</i> cnf_nadia@hotmail.fr</p>
12h-12h15	OR05	<p><u>ABADA Abderahim</u> Effect Structural and Mechanical Analysis of Ti60Al40 and Ti50Al40V10 Alloys Synthesized via Mechanosynthesis Laboratory of Aeronautic Science, Aeronautic Institute, University of Blida 1, Blida, Algeria abada_75@yahoo.fr</p>
CLOTURE		
LUNCH		

POSTER SESSION

POSTER SESSION

001.	REZIG Walid	Characterization of Biomass from WWTP as Industrial Sludge by Calcination for Agricultural Valorization Laboratory of Sciences, Technology and Process Engineering LSTPE ; University of Sciences and the Technology of Oran , walidrzg@gmail.com
002.	MERZOUK C. H.	Caractérisation et amélioration des cellules solaires à base de CuInSe₂ Unité de Recherche Matériaux et Énergies Renouvelables (URMER). Université de Tlemcen (UABT). BP n°119. Tlemcen. hayatmerzouk@gmail.com
003.	BOUKAÏS M.	Simulation of the base layer for solar cells based SiGe, Higher School in Electrical and Energy Engineering of Oran, Algeria, Research Unit of Materials and Renewable Energies (URMER), University AbouBakr Belkaid, B.P. 119, Tlemcen, Algeria, meri_232000@yahoo.fr
004.	SARI Aouatef	Impact of Dysprosium Doping on the Electronic and Magnetic Properties of Dy_{0.0625}Y_{0.9375}FeO₃ Perovskites. Unit of Research Materials and Renewable Energies,URMER, University of Tlemcen, Algeria.University Centre of Maghnia. Sari.aouatef@yahoo.fr
005.	FAKIRI Souheyla	Model of a Solar Air Distiller/Collector Equipped with Porous Baffles Research Unit Materials and Renewable Energies U.R.M.E.R University Abou Bekr Belkaid, Tlemcen, souhilaphysique@hotmail.com
006.	BELAYACHI Hanane	Removal capacity of activated carbon by combining AC and titanium dioxide (TiO₂) in a photocatalytically regenerative activated carbon Laboratoire de SEA2M, Université Abdelhamid Ibn Badis, BP 227, Mostaganem, Algérie. hanane.belayachi@univ-mosta.dz
007.	BELAYACHI Hanane	The use of TiO₂ immobilized into grapemarc-based activated carbon for RB-5 AZO dye photocatalytic degradation Laboratoire de SEA2M, Université Abdelhamid Ibn Badis, BP 227, Mostaganem, Algérie hanane.belayachi@univ-mosta.dz
008.	BACHIR Nadia	The study of the electron transport within the quaternary InAlGaN using the monte carlo method of simulation. Unity of Research Materials and Renewable Energies, Faculty of Science University of Tlemcen. Tlemcen. ALGERIA. nadia_bachir@hotmail.com
009.	BOUALEM Soumia	Study of the annealing effect in GaN/GaAs Shottky diodes. Laboratoire de Micro-électronique Appliquée, Université Djillali Liabès de Sidi Bel Abbès, 22000 Sidi Bel Abbès, Algérie. <i>Email: blm.soumia@gmail.com</i>
010.	OTMANI F.Z.	The Effect of Temperature and Active layer thickness on the Performance of CH₃NH₃PbBr₃ Perovskite Solar Cell Unity of Research of Materials and Renewable Energies (URMER), University of Tlemcen , ALGERIA, fz_otmani@yahoo.com ,
011.	MAITI Chaimaa	Synthesis and characterization of ZnS/activated carbon nanocomposite for the removal of cationic dye from aqueous solutions Laboratory of SEA2M, Faculty of Sciences and Technology, University Abdelhamid Ibn Badis-Mostaganem, Algeria. chaimaa.maiti.etu@univ-mosta.dz
012.	DIAF Bouchra	Wind speed data analysis and wind power potential assessment in south Algeria Unit of research on materials and renewable energies URMER Faculty of sciences, Abou Bakr Belkaid university Tlemcen, Algeria, bouchradiaf17@gmail.com
013.	BEDJAOUI Walid	Effect of the rotational speed on the electrochemical behavior of 7075 aluminium alloy Mechanics and materials development division Research centre in Industrial Technologies -CRTI- Algiers, Algeria w.bedjaoui@crti.dz

014.	ALLOU Djilali	Corrosion behavior of Inconel 182 coating applied on a 25CD4 substrate in a sulfuric acid (H₂SO₄) Research Center in Industrial Technologies (CRTI), PO Box 64, 16014, Cheraga, Algeria. djilallou@gmail.com
015.	BENGRINE Asmaa	Comportement Thermomécanique des Composites à Base de Polymère Biodégradable Laboratoire de Recherche sur les Macromolécules, Département de Physique, Faculté des Sciences, Université Aboubekr Belkaïd de Tlemcen, Algeria. asmaabengrine1997@gmail.com
016.	LAZZAZ Abdelaziz	Analytical modeling of the source drain tunneling current for FinFET 5 nm at cryogenic temperature University Oran, Algeria, Science condenser matter laboratory lazzaz.abdelaziz@gmail.com
017.	ABDERRAHIM Asma	Wind Energy Resource Assessment at Ouargla Region in The Southeast of the Algerian Sahara Materials and Renewable Energy Research Unit, URMER, University of Tlemcen, Algeria ; asma_tlemcen11@hotmail.fr
018.	DEBBAB Moustafa	Behavior Study of Microstructure and wettability of Electrodeposited ZnO Thin Films on silicon substrate: Effect of Annealing Temperature Research Unit Materials and Renewable Energy, URMER, University of Abou Bekr Belkaid-Tlemcen, Algeria. mus.debbab@gmail.com
019.	MEKARET Fayssal	Investigation of the electrical behavior using analytical simulation of the I-V, characteristics of Schottky diodes based on SiC polytypes Applied Microelectronics Laboratory (AMEL), Electronics Department, Faculty of Technology, Djillali Liabes University of Sidi Bel Abbes, Algeria , mekaretf@gmail.com
020.	SAIM Nabila	Analysis and Modeling of Electric Discharge at TJ Followed by Experimental Validation for Optimization Laboratory of Electrical Engineering Advanced Technologies (LATAGE), Faculty of Electrical Engineering and Computer Science, Mouloud Mammeri University, Algeria, nabila_saim@yahoo.fr
021.	KHEIRA Ameer	Impact of Technological Parameters on the Performance of a Perovskite Solar Cell Department of Electronics, University Djillali Liabes of Sidi Bel Abbes, Applied Microelectronics Laboratory, 22000 Sidi Bel Abbes, Algeria kheira_ameur@yahoo.fr
022.	GHOMRI Amina	Energy potential estimation production by anaerobic digestion of waste in Tlemcen ESSA Tlemcen
023.	GUERFI Souad	Synthesis and Characterization of Natural Porous Bioceramic Scaffolds Derived From Biosource Waste Research Center in Industrial Technologies CRTI, Algiers, Algeria, guerfisouad@yahoo.fr
024.	GHALMI Leila	Étude numérique comparative des cellules solaires à base de CIGS avec couches tampons CdS et ZnS P Unité de Recherche Matériaux et Énergies Renouvelables (URMER). Université de Tlemcen Algérie, Ghalmileila2017@gmail.com
025.	DEHANE Aicha	Extraction of Sodium Alginate from Cystoseira Brown Algae for biomedical Application Process Engineering Department, Faculty of Technology, University of Bejaia, Algeria, aicha.dehane@univ-bejaia.dz
026.	CHELIA Walid	A detailed modeling of PW500 photovoltaic module using MATLAB Department of Physics, University of Skikda Laboratory of Research on Physics Chemistry of Surfaces and Interfaces Skikda, Algeria, w.chelia@univ-

027.	ROUIBAH Nassir	Modeling, Simulating, and Experimentally Validating of Various Photovoltaic Module Technologies National Center of Studies and Integrated Research of Building, CNERIB., Algeria, rouibahnassir@gmail.com
028.	KENDZI Mohammed	Comparison Between the Fuzzy Logic and Synergetic Control method Using to Adaptive the Electrical Power Production in the wind turbine systems Institute of Technology, Department of Electrical Engineering University Center Salhi Ahmed Naama, Algeria kendzi_mohammed@yahoo.com
029.	BELLALI Mohammed Amine	Numerical analysis of the adhesive nature effect used in the repair of structures damaged by composite patch .Physical Mechanics of Materials Laboratory (LMPM), Djillali Liabes University of Sidi Bel-Abbes, Algeria. mohammedamine.bellali@univ-sba.dz , lali
030.	BAKHTA Soumia	Fluoride removal from groundwater using chemically modified date stems activated carbon Laboratory of Reaction Engineering, Faculty of Mechanical and Processes Engineering, University of Sciences and Technology Houari-Boumediene, Algiers, Algeria, soumia.bakhta64@gmail.com
031.	DRICI Manel	Study of Hybrid Renewable Energy Systems based distributed power generators applying GA Optimization Department of Electrical Engineering LEA laboratory University of Badji Mokhtar Annaba, Algeria dricimanel36@gmail.com
032.	BOUBEKEUR Razika	Characterization and thermal analysis of composite nanofiltration membranes based on polysulfone produced through various fabrication methods Macromolecule research laboratory, University of Tlemcen, Faculty of Science, Department of Physics. Tlemcen, Algeria razikabk62@gmail.com
033.	OUSSADI Karima	Extraction of limonene from orange peels and its application in polymerization Université des Sciences et Technologie Mohamed Boudiaf, Laboratoire de Physico-Chimie des Matériaux Catalyse et Environnement (LPMCCE), Oran, ALGERIE karima.oussadi@univ-usto.dz
034.	BOUCHEFRA Yasmina	Steady-state electron transport in BxGa(1-x)N and BxAl(1-x)N alloys by monte carlo simulation Unity of Research Materials and Renewable Energies (URMER), University of Tlemcen Algeria. bouchefra_yasmina@yahoo.fr
035.	SELLAMI Karima	Computational Evaluation of the Cooling Performance of Evaporative Cooler for Building in Algeria climate Laboratoire de Phénomènes de Transfert, RSNE, FGMGP, USTHB, Alger, Algérie, E-mail : sellami_karima@yahoo.fr
036.	OTHMANI Kaouthar	Aerodynamic Characterization and Performance Evaluation of Wind Turbines Faculty of Science and Technology, University of Djelfa, Algeria kaouthar.othmani@univ-djelfa.dz
037.	ALLEM Ahmed	Behavior of FM-73 Adhesive in Composite Plate Repair Under Complex Loading LMPM, Department of Mechanical Engineering, University of Sidi Bel Abbes, allem.ahmed92@gmail.com
038.	RAMDANI Mohammed CHERIF	Numerical study of KGeCl3 Perovskite based Solar Cells through SCAPS-1D Device Simulation Unity of Research Materials and Renewable Energies (URMER), University of Tlemcen Algeria. ramdanim.cherif13@gmail.com
039.	BENAISSA Wissem	Enhancing Performance Of Perovskite Solar Cell Based On MASnI3 Using SCAPS-1D Device Simulation Unite de Recherche Materiaux et Energies Renouvelables URMER, University of Tlemcen, Abou Bekr Belkaid, BP 119, Tlemcen13000, Algeria,

040.	ZEGGAI Oussama	Development of an Ion-Sensitive Graphene FieldEffect Transistor Biosensor for pH Sensing. Research Unit Materials and Renewable Energy (URMER), Abou Bekr Belkaïd University, Tlemcen, Algeria, Faculty of Exact Sciences and Informatics, Hassiba Ben Bouali University, Chlef, Algeria, o.zeggai@univ-chlef.dz
041.	RAHAL Fouzia	Comprehensive Ab Initio Analysis of Structural, Electronic, Magnetic, Elastic, and Optical Properties of Rb₂FeP Heusler Alloy: Mechanistic Insights into L2₁ and XA Phases for Advanced Spintronic and Optoelectronic Applications Using GGA and GGA+ Microscopy, Microanalysis of Matter and Molecular Spectroscopy Laboratory, Djillali Liabes University Sidi-bel-abbès,, ALGERIA fouziarahal98@gmail.com
042.	LAKRI Amel	Pressure Effects on the Physical Properties of the Semi-Heusler Compound FeVSb: Insights for Advanced Applications Microscopy, Microanalysis of Matter and Molecular Spectroscopy Laboratory Djillali Liabes University Sidi-bel-abbès, ALGERIA lakriamel@gmail.com
043.	GUERMOUDI A.Amine.	Measurements of the thermal conductivity of polyethylene naphthalate (pen) thin film Hassiba Benbouali University of Chlef, Algeria. Research Unit Materials and Renewable Energy (URMER), Abou Bekr Belkaïd University, Tlemcen, Algeria, amine_guermoudi@hotmail.fr
044.	SARI ALI Inchirah	Study and simulation of the effect of partial shading on the different configurations of photovoltaic modules based on mono-crystalline silicon Unit of Search Materials and Energies, Renewable (URMER), B.P 119, 13000 Tlemcen, Algeria, sinchirah@yahoo.fr
045.	BENYELLES Batoul	Silicon Emitter Wrap Through Solar Cells Materials and Renewable Energies Research Unit (URMER), Faculty of Sciences, University of Tlemcen b.benabadji@hotmail.fr
046.	FAKIRI Fethallah	Numerical Analysis of Forced Turbulent Convection in a Tube Equipped with Porous Baffles and Fins , <i>Unit of Research on Materials and Renewable Energies URMER, University of Mila, Algeria</i> docfakiriestmauroto@gmail.com
047.	RAMDANI Mohammed Cherif	Optimization of an inorganic lead free CsSnCl₃ based perovskite solar cell by SCAPS-1D simulation Renewable Materials and Energy Research Unit URMER University of Tlemcen, Abou Bekr Belkaïd 9, Tlemcen, Algeria, ramdanim.cherif13@gmail.com
048.	BECHLAGHEM Fatima Zahra	Improvement in the photovoltaic characteristics of the cells solars GaAs/InGaAs/ GaAs Dept. of Physics, Faculty of Science, University Abou-Bakr Belkaïd, Tlemcen, Algeria, URMER <i>Unit of Research on Materials and Renewable Energies</i> bechlaghem_f@yahoo.fr
049.	CHIKH-BLED Bachir	Presentation of an experimental process used for optical damage measurements. Application to iron doped lithium niobate crystals Unit of Research on Materials and Renewable Energies URMER, Department of Physics, Faculty of Sciences, Abou Bekr Belkaïd University, B.P. 119, Tlemcen 13000, Algeria. bachikhbled@yahoo.fr
050.	BENHAMED. L	Unveiling hydrogen bonding and solvent effects on selectivity of directed Nitrile Oxide [3+2] cycloaddition reactions: A DFT and MEDT study

051.	HASNAOUI Sanaa	Structural and mechanical properties of rare earth based-Ni intermetallic, DFT calculation Renewable Energy and Materials Research Unit (URMER), University of Tlemcen, Algeria. sanaakhadidja.hasnaoui@univ-tlemcen.dz
052.	DEMOUCHE Soumia	Theoretical Investigation of the Physical Properties of Oxide Perovskite: ab-initio Calculations Renewable Energy and Materials Research Unit (URMER), University of Tlemcen, Algeria. demouchesomia@gmail.com
053.	BOUCHAALA Abdel Djabar	Simulation Module photovoltaic 150 W using Matlab /Simulink Laboratoire d'électrotechnique de Skikda «LES», Université du 20 Août 1955, Skikda, Algeria, bouchaalaabdeljabar@gmail.com
054.	BELKACEM Izzeddine	Enhanced Performance of CZTSe Solar Cells with Cu2O Back Surface Field Layer: A SCAPS-1D Simulation Study Research Unit Materials and Renewable Energy URMER, Department of Physics, Faculty of Sciences, University of Tlemcen, Algeria, izzeddine1991@gmail.com
055.	BOUCHENAK KHELLADI Nesrine	Synthesis of Bio-Based Membranes and Prospective Applications in the Field of Green Energy University of Ain Temouchent, Belhadj Bouchaib. , Algeria. Unit of Search Materials and Energies, Renewable (URMER), University of Tlemcen, Algeria, nesrine.bouchenak@univ-temouchent.edu.dz
056.	ABDELKEBIR Djamal	Effect of Al2O3 incorporation on the mechanical behavior of an Al-Zn alloy Department of Materials and Components. University of Science and Technology Houari Boumediene (USTHB) , Algiers, Algeria, djimiphy@gmail.com
057.	LANSARI Imane	The removal of a textile dye from aqueous solution using natural and modified chitosan Laboratory of Inorganic Chemistry and Environment university of Tlemcen, Algeria, imanelansari93@gmail.com
058.	MOULEBHAR Samia	Investigation of Different Hole Transport Layers in an Organic Solar Cell Based on a Non-Fullerene Acceptor Faculty of Sciences and Technology, University Abd El Hamid Ibn Badis, Mostaganem 27000, Algeria samiamoulebhar@gmail.com
059.	HADJI Faiza	Detection Efficiency of Silicon Photomultipliers for Heavy and Alkali Metals: A comparative Study Department of Materials Sciences, University of Algiers 1, Benyoucef Benkhedda, Algeria, f.hadji@univ-alger.dz
060.	MERAZI Sayah	Kinematic Viscosity and Its Impact on Heat Transfer at the Cathode/Arc Interface in TIG Welding Research Center in Industrial Technologies – CRTI – Cheraga, Algeria, s.merazi@crti.dz
061.	KHODJET KESBA Mohamed	Stiffness degradation of cracked metal/ceramic sandwich plates under hygro-thermo-mechanical loading Laboratoire des sciences aéronautique, Institut d'aéronautique et des études spatiale, Université de Blida 1, mkhojet@gmail.com
062.	KHODJET KESBA Mohamed	Prediction of stiffness degradation in composite laminate with transverse cracking and delamination under hygrothermal conditions–desorption case Laboratoire des sciences aéronautique, Institut d'aéronautique et des études spatiale, Université de Blida 1, mkhojet@gmail.com
063.	Sekkal-Haddouche Asma F.	Multipole Rate Coefficients for Collisional Excitation of Fe XIII by Isotropic Electrons <i>Department of Physics, Faculty of Sciences, University of Tlemcen,</i> asmafarah.sekkalhaddouche@univ-tlemcen.dz
064.	DIB Zahera	Towards Sustainable Energy: Designing and Managing a DC Microgrid for University Campus University of Tlemcen, Faculty of technology Zahera.merabet@univ-tlemcen.dz

065.	BOUDIAR Meriem	Optical properties of sol-gel derived FexOy-TiO2 composite thin films. Material Science, Applied and Theoretical Physics Laboratory, Echahid Cheikh Larbi Tebessi University, Tebessa, Algeria, mmeriemboudiarm@gmail.com
066.	KESSOURI Adel	Synthesis of iron-5 MFI zeolite and photodegradation reactions of organic dyes (MB) under sunlight. <i>Département de chimie, Laboratoire chimie des matériaux, faculté des sciences BP 1524 Oran El Mnaoeur Université d'Oran-1 es-senia, Algérie, Ksr.7909@yahoo.com</i>
067.	BOUDIAR Abid	Graphene and Fullerene Composites as Efficient Materials for Water Desalination boudiarabid11@gmail.com
068.	KADDOUR Houria	Effect of heat treatment on the microstructure and corrosion behavior of a cold rolled AISI 316Ti stainless steel Laboratory of Materials Sciences, Faculty of Chemistry, USTHB, Bab Ezzouar, Algiers, Algeria, Division of Welding and Assembly Techniques, Research Center in Industrial Technologies, Cheraga, Algiers, Algeria, houria.kaddour@usthb.edu.dz
069.	BENKHEDDA Mohammed	Numerical investigation of Heat transfer and pressure drop of hybrid nanofluid flow through a heated horizontal annular duct Physics department, Faculty of Sciences, M'Hamed Bougara University, Boumerdes, Algeria, m.benkhedda@univ-boumerdes.dz
070.	Lahouel Nour El Houda	Eco-Friendly Biomaterials from Orange Peels for efficient removal of toxic metal ions Laboratoire de Génie Chimique et Catalyse Hétérogène, Université de Sciences et de la Technologie-Mohamed Boudiaf, USTO-MB, Oran, Algeria, nourelhouda.lahouel@univ-usto.dz
071.	BENHEMINE Asma	Comparative study of direct matrix converter and indirect converter Smart gride and renewables energies, University Tahri Mohamed Bechar, Algeria, asmameriem18@yahoo.com