

The first International Conference on hydrocarbons, Renewable Energy, Materials and Environment

The first ICHREME-2023

Held in Adrar University
Saturday - Sunday/29-30 April, 2023

FirstDay	
Time	Saturday/April 29,2023
7 ^h 30 – 8 ^h 30	Welcome & Registration
8 ^h 30 – 9 ^h 00	Opening Ceremony Allocation of Pr BENAMAR Mohammed El Amine Rector of University of Adrar Allocation of Pr BENATIALLAH Ali Chair ICHREME conference Allocation of Mr. BENAMARA Mustapha Executive Director R&D of SONATRACH Company Allocation of President of Popular Assembly of Adrar Wilaya Allocation of Governor of Adrar Wilaya
9 ^h 00 – 9 ^h 25	Keynote1 Prof Hadjadj Ahmed, dean faculty of Science and Technology Le comptage des hydrocarbures entre technologie et défis
9 ^h 25 – 9 ^h 50	Keynote 2 Yassaa noureddine : Strategies national de développement d'hydrogène
9 h 50 – 10h15	Keynote 3 Mohammed Al Taani: امتجددة أمين عام الهيئة العربية للطاقة ا الطاقة المتجددة والمدن الذكية بالوطن العربي
10h 15 – 12h00	Oralsession1/02 ParallelRooms
12 ^h 00- 12 ^h 30	CoffeeBreak/Postersession1
12h30 – 14h 00	Oralsession 2/02 ParallelRooms
14 ^h 00 – 15 ^h 00	Lunch
15 ^h 00 – 16 ^h 30	Online session 1/02 ParallelRooms

The first International Conference on hydrocarbons, Renewable Energy, Materials and Environment

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SecondDay

Time	Sunday/April 30,2023
8 ^h 00 — 8 ^h 20	Keynote4 Prof SoufiYoucef:Univtebessa Artificial Intelligence for Green Energy Transition Challenges and Opportunitie
8 ^h 20 8 ^h 40	Keynote5 Prof Benzagouta Member of staff University Larbi Ben M Hidi, OEB Algeria The Investigation on Crude Oil and Toxic Fluids Migration on Surface and Subsurface Environment -Impact and Solution
8 ^h 40 – 9 ^h 00	Keynote 6 Prof Benatiallah Ali Overview of Renewables energies applications in the world
9h 00 – 10h 30	Oral session 3/02 Parallel Rooms
10 ^h 30 11 ^h 00	CoffeeBreak/Postersession2
11 ^h 00 13 ^h 00	Oralsession 4/ 02ParallelRooms Online session 2
13h –14h	Closing Ceremony/Attestation Distribution
14 ^h 00 15 ^h 00	Lunch

Importantnote:Theregistrationprocesswillbe availableduringthedaysoftheseminar

7 ^h 00 -8 ^h 00	Welcome&Registration
8 ^h 00 -9 ^h 00	<p>OpeningCeremony</p> <p>Allocation of Pr BENAMAR Mohammed ELAmine Rector of Adrar university Allocation of Pr BENATIALLAH Ali Chair ICHREME conference Allocation of Mr. BENAMARA Mustapha Executive Director R&D of SONATRACH Company Allocation of President of Popular Assembly of AdrarWilaya Allocation of Governor of Adrar Wilaya</p>

Plenary Session1:

Chairs: ...Pr BENATIALLAH Ali....& ...Dr ...MOUHADJER Samir...

9 ^h 00 – 10 ^h 00	<p>Keynote1</p> <p>Prof Hadjadj Ahmed</p> <p>Le comptage des hydrocarbures entre technologie et défis</p>
	<p>Keynote 2</p> <p>Yassaa noureddine : directeur Strategies national de développement d'hydrogène</p>
	<p>Keynote 3</p> <p>Mohammed Al Taani:</p> <p>أمين عام الهيئة العربية للطاقة المتجددة والمدن الذكية بالوطن العربي</p>

10^h00- 11^h30 Oral session 1 / 02 Parallel Rooms

Room1:

Chairs: Pr KALLOUM Slimen.....&...Dr BOUSAID Mohamed....

Oral session 1 : Renewable energy				
Time	ID	Title	Authors	Affiliation
10h-10h15	Paper_ID_REN-001	Study of the Performance of Amorphous Silicon Solar Cells in Desert Temperate Climates	Ahmed Idda, Leila Ayat	Sonalgaz, Univ Bechar
10h15 – 10h 30	paper_ID_REN-01	A review on current status of solar energy southern Algeria: Case of Adrar region	LAGOUCHAakila	University of Ahmed DariaAdrar

10h 30 – 10h 45	paper_ID_REN-02	Comparison of Pressure-Velocity Coupling Schemes and Turbulence Models for the Prediction of the Aerodynamic Coefficients of the S809 Airfoil	NEBBACHE Mohammed	Faculty of mechanical engineering, university of sciences and technology, Oran, Algeria
10h 45 – 11h 00	paper_ID_REN-03	Optimum Capacitor Placement in Radial Distribution System By Moth Flame Optimization (MFO) Algorithm	DJEDIDIImene	University of Biskra, Algeria
11h 00 – 11h 15	paper_ID_REN-04	Flow separation control over s809 wind turbine blade profile using various slat profiles	BOUTERRA Sami	École supérieure de Technologies Industrielles
11h 15 – 11h 30	paper_ID_REN-05	Dimensionnement d'un système photovoltaïque pour alimenter une Station de service dans un site isolé	Boussaid Abdrahim	Univ Bechar
11h 30 – 11h 45	paper_ID_REN-06	An overview of south Algerian geothermal waters hydrochemistry	Abdelkader AIT OUALI	Cder Alger

Room2:

Chairs:... Pr. HAMMOUDA M.....&.... Dr. Sekmache M.....

Oral session 1 : Hydrocarbons				
Time	ID	Title	Authors	Affiliation
10h15 – 10h 30	paper_ID_HY-01	Predictive model based on artificial neuralnetwork (ANN) for analyze errosion rates in elbow of pipeline	SEBAMohamed rida	University of Science and Technology Oran Mohamed-boudiaf EL Mnaouar (USTOMB) Oran, Algeria
10h 30 – 10h 45	paper_ID_HY-02	Seismic processing using unsupervised algorithm	HADJADJ Asma	université laghouat
10h 45 – 11h 00	paper_ID_HY-03	The impact of cyclohexane quantity on extraction of petroleum from storage tank sludge.	AMRAOUILoubna	University Mohamed KheiderBiskra ,Algeria.
11h 00 – 11h 15	paper_ID_HY-04	Impact of seawater and polymer on rheological properties of seawater in crude oil emulsions	HICHOOR Mohamed El-Habib	MASCARA UNIVERSITY
11h 15 – 11h 30	Paper_ID_HY-05	Feasibility Analysis of instrumentation on the metering systems used by petroleum companies	Oulhadj Mohammed	Univ Adrar
11h 30 – 11h 45	Paper_ID_HY-06	Optimization of oxidative cracking for enhancedheavyoilrecovery:Based on response surface methodology by usinggas injection and H2O2	Omar Naouri, Souad Hammadou née Mesdour, BoudjemaHamada, A.Benatallah	Univ boumerdes

11^h30-12^h00

CoffeeBreak&PosterSession1

Chairs:...Dr Dahbi H, Dr Masmoudi R.....&.....DR MEDIANI Ahmed...& Dr Mengar M..

ID	Title	Authors	Affiliation
paper_ID_REN-27	Efficiency improvement of parabolic trough solar collectors by using nanofluids	LECHEHEB Sabrina	Centre de Développement des Energies Renouvelables CDER, BP 62 Route de l'observatoire Bouzaréah 16340, Algeria
paper_ID_REN-28	Measurements and Experiments For a Prototype of a Three-Phase Inverter Directed at a Solar Pumping System	TAYEBIAzzedinne	Unité de Recherche en Energies Renouvelables en Milieu Saharien (URERMS) Centre de Développement des Energies Renouvelables (CDER), Adrar, Algeria
paper_ID_REN-29	A Comparative Study On Grid Frequency Regulation Techniques With/Without Energy Storage Systems	SMAHI Abderrahmane	Electrical Engineering University of Adrar
paper_ID_REN-30	Sizing of a Photovoltaic Stand-alone House System in Adrar	DAHBI Abdeldjalil	Unité de recherche en énergies renouvelables en milieu saharien, (URERMS)
paper_ID_REN-31	Modeling and Control of DFIG Generator in On-Grid Wind Turbine System using PID Fractional-order Controller	LABED Nacereddine	Adrar university
paper_ID_REN-32	Numerical Simulation on Thermal Performance of Flat Plate Solar Collector	KORTI Mohammed Choukri	Research Unit for Renewable Energies in the SaharanRegion (URERMS), RenewableEnergyDevelopment Centre (CDER), 01000, Adrar, Algeria
paper_ID_REN-33	A theoretical and numerical study of a simple solar distiller using RK4 and RK6	BENHADJI Mohammed	Ahmed DraïaUniversity ADRAR
paper_ID_REN-34	Numerical Simulation and Optimization of CZTS/CdS Solar Cell Using SCAPS-1D Simulation Program	BOUCHELAGHEM Aissa	ElectronicsDepartment, Faculty of Technology, Ferhat Abbas Setif-1 University
paper_ID_REN-35	Biofuels production by thermochemical conversion of date palm stalks Of Date Palm Rachis	BENAMARA Ikhlass	Abou bekrbelkaidUniversity -Tlemcen (Algeria)
paper_ID_REN-36	The study of electronic, elastic, magnetic, thermodynamic, and optical properties of ZnS compound with a direct band gap: solar cell application	BELMILOUDNawal	University of Science and Technology for Oran ust-MB
paper_ID_REN-37	Study and experimental analysis of a photovoltaic power plant under desert climatic conditions in south Algeria - Reggan area	DAHMANIROqiya	university Ahmed Draia - Adrar
paper_ID_REN-38	Improvement of the performance of p-type silicon solar cells degraded by LETID	MOHAMMED KRARROUBI Asmaa	URER-MS ADRAR
paper_ID_REN-39	Experimental evaluation of the photovoltaic power plant performance operating in a desert climate	BENABDELKRIM Bouchra	Department of Material Sciences, Institute of Science and Technology, University of Ahmed Draia, Adrar,Algeria
paper_ID_REN-40	BacksteppingSensorless Control Of An Asynchronous Machine Based On An Adaptative Observer	HAMIANI Hichem	Nour Bachir UniversityElBayadh
paper_ID_HY-05	Improved Corrosion Inhibition for Carbon Steel in Acidic Media by New Polyoxometalates	LOURI Faycel	Faculty of Hydrocarbons, Renewableenergies and earth and universeKasdiMerbah Ouargla-University
paper_ID_HY-06	QSAR study of the Electrophilicity of PAHs using quantum chemical descriptors.	MEBARKI Fatiha	Amine Elokhal El hadj Moussa EgAkhamoukUniversity – Tamanrasset
paper_ID_HY-07	Application of carbon nanotubes-surfactant in enhanced oil recovery	MILOUDI Mustapha	Hydrocarbures

paper_ID_HY-08	Adsorption of sulfates ion from injection water by multi-wall carbon nanotubes	BOUFADES Djamila	KasdiMerbahUniversity -Ouargla
paper_ID_HY-09	Study the performance of solvent used for the treatment of asphaltene deposits in the field of HMD	ARBAOUI Mohamed Ali	KasdiMerbahuniversity of Ouargla
paper_ID_HY-10	An experimental investigation of water trapping in tight reservoirs and remediation by alcoholic treated water mixture	ADJOU Zakaria	Petroleum Engineering
paper_ID_HY-11	Numerical Investigation of Ambient pressure and fuel composition effect on soot formation in a counter-flow laminar diffusion flame of C ₂ H ₄ /syngas	FAREH Saifeddine	Larbi Ben M'hidiUniversity
paper_ID_EN-05	Geochemical Characterization of Tazliza spring waters Southwestern Algeria	NASRI Bahous	Université Ahmed Draia Adrar
paper_ID_EN-06	Solar distillation of essential oils, comparison with conventional distillation	SAFA ZINEB	Laboratory of Saharan Natural Resources, Faculty of Science and Technology, University of Ahmed Draia – Adrar 01000, Algeria
paper_ID_EN-07	Assessment of the Performance of Scrap Rubber and Sediment Layers to Filter the waste water	SELLAF Hamid	Faculty of Technology, Saida University
paper_ID_EN-08	BIOCHEMICAL RESPONSE OF CLEOME AMBLYOCARPA BARR. & MURB. UNDER LEAD STRESS	AichaBennaoum	Abdelhamid Ibn BadisUniversity, Mostaganem,
paper_ID_EN-09	Optimization of bioactive compounds' contents of dried tomato waste via responses surface methodology	BOUDOUAYA Amina	UnivesitéTahri Mohammed - Bechar
paper_ID_EN-10	Effect of chemical oxidation on the depollution of soil contaminated with heavy metals	SmaraMahdia	Faculty of technologie, Laboratory of Materials and Environnement
Paper_ID_HY-50	<i>implementing machine learning algorithms to assess real-time oilwell-drilling data for optimization</i>	<i>Farah Fatma Zohra Azzaoui¹</i>	<i>Amar Telidji University Laghouat, Algeria</i>

12^h30 - 14^h00

Oral session 2 / 02 Parallel Rooms

Room1:

Chairs:...Pr ..HARROUZ AEK.....&...Pr...TIGREN Rachid.....

Oral session 2 : Materials				
Time	ID	Title	Authors	Affiliation
12h30 – 14h00	paper_ID_MAT-01	Investigating the impact of deposition time on the structural, mechanical, and tribological properties of titanium-tungstenthin films	BELGUEBLI Hayat	UniversityAbderahman Mira Bejaia
12h 30 – 12h 45	paper_ID_MAT-02	Modeling and Simulation of Magnons Scattering by atomic lacunae at the surfaces Multilayered thin film.	FERRAH Leila	M'hamedBougaraUniversity,Boumerdes, Algeria
12h 45 - 13h 00	paper_ID_MAT-03	The effect of using nanoparticles on the PCM performance of a user inside the walls of buildings	AIDIMoussa	Larbi Ben M'hidiUniversity of Oum El Bouaghi
13h 00 – 13h 15	paper_ID_MAT-04	Tensile test of composite tube Materials using criterion's failure	KHIARI Mohamed El Amine	ENP-ORAN, Oran National polytechnicschool Maurice Audin
13h 15 – 13h 30	paper_ID_MAT-05	Using XFEM Technique to predict the damage in Elbow structure	TELLI Fatna	Maurice Audin, National PolytechnicSchool, Oran
13h 30- 13h 45	Paper_ID_MAT_06	Vibration Analysis of Functionally Graded Beams using Finite Element Method	SMAHAT Amine	CREST Arzou

13h 45 – 14h	paper_ID_MAT-07	Numerical modeling of evaluation of the various energies by the FEM method of a cracked structure	BENTAHAR Mohammed	Tahar Moulay University, Saïda, Algeria

Room2:

Chairs: ...Dr DAHO ...Mohamed.....&...Dr...DJAFRI Mohammed.....

Oral session 2 : Environment				
Time	ID	Title	Authors	Affiliation
12h30 – 14h00	paper_ID_EN-01	Experimental study of adsorption process of an organic pollutant, with use the natural substance	GUEMGAM Abdelkader	Laghouat University
12h 30 – 12h 45	paper_ID_EN-02	Assessment of atmospheric pollution by aerosols over Tizi-Ouzou	MEZIANI Fariza	UMMTO University/ CRSTDLA center
12h 45 - 13h 00	paper_ID_EN-03	The environmental impact in the city of El AbiodhSidiCheikh in a 60 GHz Mmwave transmission	MILOUDIFadilaAmel	Sciences Institute,University Center Nour Bachir
13h 00 – 13h 15	paper_ID_EN-04	Environmental harm mitigation based on early forest fire detection using Deep CNN	BENDJILLALI RidhaIlyas	Laboratory of ElectronicSystems, Telecommunications and Renewable Energies
13h 15 – 13h 30	paper_ID_EN-11	Caractérisation de l'efficacité du miel naturel par rapport au mielfrelaté	CHADLI Samir	University of Ahmed DariaAdrar
13h 30 – 13h 45	paper_ID_EN-12	Etude de performance de la filtration des eauxuséessur sable (étude comparative)	SLIMANI Said	University of Ahmed DariaAdrar

14 ^h 00- 15 ^h 00	Lunch
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15 ^h 00 – 17 ^h 30	Online session 1 / 02 Parallel Rooms
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Room1:

Chairs:...Dr...KHELIFI Omar&...Dr...Tahri A

Oral session 1(online): Oral			
Time	ID	Title	Authors
15h 00 – 15h 15	paper_ID_On-01	Collector radius effect on the airflow behavior inside a small solar chimney	DAIMALLAH Ahmed
15h 15– 15h 30	paper_ID_On-02	Numerical modeling of evaluation of the variousenergies by the FEM method of a cracked structure	BENTAHAR Mohammed
15h 30- 15h 45	paper_ID_On-03	Comparison of Pressure-Velocity Coupling Schemes and Turbulence Models for the Prediction of the Aerodynamic Coefficients of the S809 Airfoil	NEBBACHE Mohammed
15h 45– 16h 00	paper_ID_On-04	A comparative study of single stage and two stage topologies for a 150kw solar PV power plant under variable irradiance	GHILANI Abdelmoumen
16h 00 – 16h 15	paper_ID_On-05	Parameters influencing LCOE of offshore wind energy	BENABADJI Ahmed Soheyb

16h 15– 16h 30	paper_ID_On- 06	The effect of using nanoparticles on the PCM performance of a user inside the walls of buildings	AIDI Moussa
16h 30- 16h 45	paper_ID_On- 07	Optimization of heat transfer and temperature control of building brick thermal management based on phase change materials integration	ALLAM Bachir
16h 45– 17h 00	paper_ID_On- 08	Numerical simulation on combustion and pollutants formation in a CI engine fueled with PODL biodiesel	BOUIGHI Habib
17h 00– 17h 15	paper_ID_On- 19	Numerical Computation Of The Temperature Difference Effect On Airflow In A Solar Chimney	BOULECHFAR Hichem
17h 15– 17h 30			

Room2:

Chairs:...Dr laksaci hamza&...Dr Hadjkouider M.....

Oral session 1(online): Oral			
Time	ID	Title	Authors
15h 00 – 1 5h 15	paper_ID_On- 09	Assessment of atmospheric pollution by aerosols over Tizi-Ouzou	MEZIANI Fariza
15h 15– 15h 30	paper_ID_On- 10	Experimental study of adsorption process of an organic pollutant, with use the natural substance	GUEMGAMA Abdelkader
15h 30- 15h 45	paper_ID_On- 11	Tensile test of composite tube Materials using criterion's failure	KHIARI Mohamed ElAmine
15h 45– 16h 00	paper_ID_On- 12	Investigating the impact of deposition time on the structural, mechanical, and tribological properties of titanium-tingstenthin films	BELGUEBLI Hayat
16h 00 – 1 6h 15	paper_ID_On- 13	Using XFEM Technique to predict the damage in Elbow structure	TELLIFatna
16h 15– 16h 30	paper_ID_On- 14	Design of a solar-powered aircraft	DJABALLAH HossamEdine
16h 30- 16h 45	paper_ID_On- 15	Powerful non-linear Passive comparative analysis Control Applied to DFIG Driven by a WT for The Supply of Powers to The Electrical Network	HAMIANI Hichem
16h 45– 17h 00	paper_ID_On- 16	Flow separation control over s809 wind turbine blade profile using various slat profiles	BOUTERRA Sami
17h 00– 17h 15			
17h 15– 17h 30			

Sunday/April30,2023

Auditorium

PlenarySession3:

Chairs:...Pr...HADJADJ Ahmed...&...Dr MANSOURI Smail..

	<p>Keynote 4</p> <p>Prof Benzagouta Member of staff University Larbi Ben M Hidi, OEB Algeria</p> <p>The Investigation on Crude Oil and Toxic Fluids Migration on Surface and Subsurface Environment -Impact and Solution</p>
	<p>Keynote 5</p> <p>ProfSoufiYoucef:Univtebessa Artificial Intelligence for Green Energy Transition Challenges and Opportunitie</p>
	<p>Keynote 6</p> <p>Prof Benatillah Ali Overview of Renewables energies applications in the world</p>

09h00- 11h00 **Oral session 3 / 02 Parallel Rooms**

Room1:

Chairs:...Dr AMER Lakhdar.....&...Dr SLIMANI S.....

Oral session 3 : : Materials				
Time	ID	Title	Authors	Affiliation
09h 00- 09h 15	paper_ID_MAT-07	Structural, optoelectronic and thermoelectric properties of halide double perovskite compounds A ₂ AgBiBr ₆ (A = Cs , Rb) for renewable energy applications	ALLOUCHEAsma	University Mustapha Stambouli of Mascara
09h15 - 09h 30	paper_ID_MAT-08	The effect aggressive environment on high performance concrete reinforced with waste steel fibers	Zouini Rekia, Abdelkadir Makani and Ahmed Tafraoui	Univ bechar
09h 30 - 09h 45	paper_ID_MAT-09	Magnons Dispersion in Superlattices with Antiferromagnetic Interfacial Coupling in Fe/Ni	NAFAOuahiba	UniversitéMouloudMammeri de tiziouzou
09h 45 - 10 h 00	paper_ID_MAT-10	Effect of quenching heat treatment on a 2017A aluminium super alloy	YOUNES	Université de Bejaia, Algérie
10h - 10h 15	paper_ID_MAT-11	Simulations to characterize crack dimensions In AISI 416 steel plate	CHAALANIAIdjia	University of Laghouat, BP 37G, Laghouat 03000 Algeria
10h 15 - 10h 30	paper_ID_MAT-12	TECHNIQUES AND CONSTRUCTIONAL PROVISIONS TOWARDS A CONCEPT OF EARTHQUAKE-RESISTANT RESTORATION OF ARCHITECTURAL	BENZAGOUTA Yasser	CRAT & University constantine 3

		HERITAGE		
10h 30-10h45		Choice of Electrical Vehicle Motor	ZINE Bachir	university of Eloued
10h 45-11h		Optimization of heat transfer and temperature control of building brick thermal management based on phase change materials integration	ALLAM Bachir	University of AinTemouchent

Room2:

Chairs:...Dr ...Makhloufi S.....&...Dr . Chadli S.

Oral session 3 : Renewable energy				
Time	ID	Title	Authors	Affiliation
09h 00-09h 15	paper_ID_REN-07	Optimization of heat transfer and temperature control of building brick thermal management based on phase change materials integration	ALLAM Bachir	University of AinTemouchent
09h15-09h 30	paper_ID_REN-08	A comparative study of single stage and two stage topologies for a 150 kw solar PV power plant under variable irradiance	GHILANI Abdelmoumen	University of Biskra, Algeria
09h30-09h 45	paper_ID_REN-08	Improvement methodes of efficiency of an hybrid Solar Chimney Pozer Plant	Farhat Dine, Mohammed Sellami and Ali Sellami	Univ tameriast
09h 30-09h 45	paper_ID_REN-09	Assessment of solar energy under general sky condition using artificial neural network	Benatiallah Djelloul	Univ Adrar
09h 45-10 h 00	paper_ID_REN-10	Comparative study between artificial neural network and fuzzy logic algorithms to detect faults in a PV system	LAHIOUEL Younes	Automatic Laboratory of Sétif-LAS /Electrical Engineering Department
10h-10h 15	paper_ID_REN-11	Design of a solar-powered aircraft	DJABALLAH HoussamEddine	National Polytechnic School of Oran Maurice Audin
10h15-10h 30	paper_ID_REN-08	NUMERICAL COMPUTATION OF THE TEMPERATURE DIFFERENCE EFFECT ON AIRFLOW IN A SOLAR CHIMNEY	Hichem Boulechfar	University Med Boudiaf M'sila
10h 15-10h 30	paper_ID_REN-12	Powerful non-linear Passive comparative analysis Control Applied to DFIG Driven by a WT for The Supply of Powers to The Electrical Network	HAMIANIHichem	NourBachir University ElBayadh

10h30- 11h00	Coffee Break & Poster Session2
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ID	Title	Authors	Affiliation
paper_ID_MAT-13	Simulation of the P3HT:PCBM Organic Solar Cells Performance Under Effect of Bimolecular Recombination	FATHI Brioua	Université Ahmed Draria d'Adrar
paper_ID_MAT-14	The importance of salt in increasing the hardness of clay bricks	FIDJAH abdelkader	Laboratory of Development in Mechanics and Materials - University of Djelfa, 17000, Algeria
paper_ID_MAT-15	Improving hole cleaning in horizontal wells by using Nano composite water-based mud	NABGHA Abdelghani	université de ouargla
paper_ID_MAT-16	An economical method for producing zeolite Y nanoparticles using natural resources found in the southwestern region of Algeria	ABBANI Bachir	UNIVERSITY OF TAHRI MOHAMED - BECHAR
paper_ID_MAT-17	Synthesis, structural/ thermoelectrical characterization and properties of skutterudite couponed	BOUHAFS Choayb	Ecole Nationale Polytechnique (ENP)

paper_ID_MAT-18	The Use Of Recycled Concrete Powder As A Supplementary Cementitious Materials For Manufacturing Mortar	DOUIDI Oussama	University of Bechar
paper_ID_MAT-19	Correlation between the multifractal structure and crystalline properties of synthesized Bi doped ZnO nanopowders	BOUMEZOUED Amal	Laboratory of Active components and materials University Larbi Ben M'Hidi Oum El Bouaghi, Algeria
paper_ID_MAT-20	Study Of Carbonation Depth Of Ordinary Concrete Based On Local Sand	BEDADI Laid	Université Echahid Hama Lakhder Eloued Faculté de Technologie Département de Génie Civil
paper_ID_MAT-21	Morphology and particle size analysis of nanocrystalline nickel-based Synthesized by High Energy Ball Milling using Image Segmentation	RAFAI Hadjira	University of Adrar ,Algeria
paper_ID_MAT-22	Porous Silicon's effects perovskite solar cells made of non toxic MgAg_2I_3 and MAPbI_3	BACHIRI Badiaa	physics, Renewable Energy
paper_ID_MAT-24	Performance anti-corrosion of a conductive epoxy coating on carbon steel at 3.5% NaCl solution	MOUNIR Nacer	École Nationale Polytechnique d'Alger
paper_ID_MAT-25	Enhancement of the photocatalytic activity of hybrid material ferrous oxide by doping onto the diatomite towards photodegradation of industrial dye	REZIG Walid	University of Sciences and the Technology of Oran Mohamed Boudiaf USTO-MB
paper_ID_MAT-26	Correlation between the multifractal structure and crystalline properties of synthesized Bi doped ZnO nanopowders	BOUMEZOUED Amal	Laboratory of Active components and materials University Larbi Ben M'Hidi Oum El Bouaghi,
paper_ID_MAT-27	Ab-initio calculation and thermodynamic properties of chalcopyrite compound	OUAHAB Ali	Ahmed Draya University Adrar, Algeria
paper_ID_REN-41	Solar Radiation estimation based on Artificial Neural Network (ANN) and Adaptive Neuro-Fuzzy Inference System (ANFIS): Adrar city, Southwest Algeria	DJELDJLI Halima	University Ahmed Draia, Adrar, 01000, Algeria
paper_ID_REN-43	Investigation on the preservation of red meat (El kaddid) by a natural drying process in the Adrar region	BENSAID Achour	research unit in renewable energies in the Saharan environment
paper_ID_REN-44	Smart solution for optimal VAR power management in REDN 30KV with a PV Park: MO-OPF case study	TADJEDDINE Ali Abderrazak	LSETER Laboratory, Technology Institute, Nour Bachir University El Bayadh, Algeria,
paper_ID_REN-45	Assessing Frequency Regimes in Autotransformer Windings for Improved Electrical Grid Performance: Transient AC/AC Quality Analysis (TQA)	TADJEDDINE Ali Abderrazak	LSETER Laboratory, Technology Institute, Nour Bachir University El Bayadh, Algeria,
paper_ID_REN-46	Small scale concentrating solar power plant for isolated regions in Algeria	LAISSAOUI mohammed	CDER
paper_ID_REN-47	Performance analysis of real photovoltaic panels	MESSAOUDA Chaib	university of ADRAR
paper_ID_REN-48	Extraction of electrical parameters for one diode photovoltaic model using Sinusoidal map AEO optimization algorithm	HALALI Youcef	UNIVERSITY ADRAR
paper_ID_REN-49		BOUZID Ourdia	Centre de Développement des Energies Renouvelables
paper_ID_REN-50	microstructural study of degraded solar panels in hot desert climate	HACHEMI Nadir	University Ahmed Draia, Adrar, 01000, Algeria
paper_ID_REN-51	Empirical models to estimate the global solar radiations in the region of Tindouf	SENOUCI Ahlem	University Ahmed Draia, Adrar, 01000, Algeria
paper_ID_REN-52	Estimating Global Solar Radiations in Tindouf Region using Artificial Neural Networks	SENOUCI Ahlem	University Ahmed Draia, Adrar, 01000, Algeria

11^h00 - 13^h00

Oral session 4 / 02 Parallel Rooms

Room1:

Chairs:...Dr...Boudjera B.....&...Dr...Abaid A..

Oral session 4 : Renewable energy				
Time	ID	Title	Authors	Affiliation
11h 00 – 11h 15	paper_ID_REN-13	Collector radius effect on the airflow behavior inside a small solar chimney	DAIMALLAH Ahmed	Faculty of Technology, University M'hamedBougara of Boumerdes
11h 15 – 11h 30	paper_ID_REN-15	Parameters influencing LCOE of offshore wind energy	Ahmed Soheyb BENABADJI	University of Tlemcen
11h 30 – 11h 45	paper_ID_REN-16	Modeling and Control of Grid Connected Wind Power System With Battery Storage	Ali BERBOUCHA	Bejaia University
11h 45 – 12h 00	paper_ID_REN-17	Numerical simulation on combustion and pollutants formation in a CI engine fueled with PODL biodiesel	BOUGHFI Habib	École Nationale Polytechnique d'Oran Maurice Audin
12h 00– 12h 15	paper_ID_REN-18	Collector radius effect on the airflow behavior inside a small solar chimney	DAIMALLAH Ahmed	Faculty of Technology, University M'hamedBougara of Boumerdes
12h 15– 12h 30	paper_ID_REN-19	Theoretical study of ternary compounds CuXSe ₂ (X=Al,GA and In) using wien2k code photovoltaic applications	ROUAG Salah eddine	Renewable energies and materials science

Room2:

Chairs:...Pr AOUDERA Salem.....&.....Dr SYAHI M.....

Oral session 4 : Renewable energy				
Time	ID	Title	Authors	Affiliation
11h 00 – 11h 15	paper_ID_REN-20	Current Advancements in DC-DC Converters for the Application of Polymer-electrolyte-membrane fuel cells Vehicles	OKBA Salah	University of Mohamed Khidar Biskra, Algeria
11h 15 – 11h 30	paper_ID_REN-21	Numerical simulation of active flow control around a wind turbine airfoil using synthetic jet	BOUDIS Ali	Centre de Développement des Énergies Renouvelables, CDER
11h 30 – 11h 45	paper_ID_REN-23	Improvement methods of efficiency of an hybrid Solar Chimney Power Plant System	DINE Farhat	Matter Sciences Department; University of Tamanghasset, MERL; Tamanghasset, Algeria
11h 45 – 12h 00	paper_ID_REN-24	An overview of south Algerian geothermal waters hydrochemistry	AIT OUALI Abdelkader	Renewable Energies Development Center (CDER)
12h 00– 12h 15	paper_ID_REN-25	Dr.	MAZOUZ El Hadi	University of Oum El Bouaghi
12h 15– 12h 30				

11^h00 – 13^h00

Online session 2

Room1:

Chairs:...Dr&.....

Oral session 2 (online): POSTER				
Time	ID	Title	Authors	Affiliation
11h 00 – 11h 15	paper_ID_On-17	Numerical Simulation and Optimization of CZTS/CdS Solar Cell Using SCAPS-1D Simulation Program	BOUCHELAGHEM Aissa	Ferhat Abbas Setif-1 University. Setif, Algeria.
11h 15 – 11h 30	paper_ID_On-18	Dynamics properties of the ultra thin film	BOUCHAREB Sansabilla	Physicmaterial

11h 30 – 11h 45	paper_ID_On- 20	Variable structure control of a doubly fed induction generator for wind energy conversion systems * ,	Abdelkader Achar1	Djillali Liabes University, Sidi Bel-Abbes, Alger
11h 45 – 12h 00	paper_ID_On- 21			
12h 00– 12h 15	paper_ID_On- 22			

13h00 -14h00	ClosingCeremony/AttestationDistribution
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14^h00- 15^h00	Lunch
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