

المؤتمر الوطني الأول للموارد المستدامة
النفائات، المياء و الطاقة



SRWWE OFFICIAL EVENT SCHEDULE



FULL PROGRAM OUTLINE







Dr. BABAGHAYOU Meriam Imane

 **December 13-14, (ENSL), Laghouat, Algeria** 

مدرج 19 ماي (كلية العلوم الاقتصادية)				December 13 th ,2023	
08h00 - 08h30	CHECK-IN & REGISTRATION			الإستقبال والتسجيل	
08h30 - 08h45	<ul style="list-style-type: none">Opening session : Holy CoranNational anthemWelcoming Video			<ul style="list-style-type: none">افتتاح: القرآن الكريمالنشيد الوطنيفديو ترحيب	
08h45 - 09h05	OPENING CEREMONY	<ul style="list-style-type: none">Pr. Dr. BOUZIANI Khaled (Honorary Conference President)Dr. BABAGHAYOU Meriam Imane (Conference President)			مراسيم الإفتتاح
09h05 - 09h15	HONORING THE GUESTS OF HONOR				
09h15 - 09h45	Plenary Session 1	Le problème du fluor et les nouveaux procédés de défluoration.	Pr. LOUNICI Hakim <ul style="list-style-type: none">Department of Process and Environmental Engineering at BOUIRA university.Researcher at National Polytechnic School of Algiers.	Chairmen <ul style="list-style-type: none">Pr. TAOUTI Mohamed BenabdallahPr. CHABIRA Salem Fouad	
09h45 - 10h15	Plenary Session 2	Contribution de l'ONA à la stratégie de la réutilisation des eaux usées épurées, situation actuelle et perspectives.	Mr. LAHLAH Saleh <ul style="list-style-type: none">Head of the Central Operations and Maintenance, ONA Algiers (ONA).	Chairmen <ul style="list-style-type: none">Pr. DJEDID MebroukPr. KAOUKA Alaeddine	
☕ COFFEE BREAK + POSTER SESSION ☕					
Chairmen	<ul style="list-style-type: none">FERHAT MahmoudSAIDAT BoubakeurHELLAL DjamilaBRIKI Khaled			<ul style="list-style-type: none">ABBASSI Mouna SouadSOUILAH RachidBENGUECHOUA Mebarka Imane	
10h15 - 11h00	P11.	REZIG Walid	Sewage sludge industrial waste assessment characterization and valorization.		
	P12.	MEDDOUR Mohamed	Numerical modeling of the behavior of sandwich panels based on E-glass fibers waste core under flexural loading.		
	P13.	YAHIAOUI Younes	Caractérisation environnementale des métaux lourds issus des rejets phosphatiers de Djbel Onek, Tébessa – Algérie.		
	P14.	KSIR Kamilia	A plant extract as an eco-friendly corrosion inhibitor for zinc.		
	P21.	BEHILIL Asma	Diagnosis of the physicochemical quality of groundwater and its preservation.		
	P22.	REZZAG Sara	L'effet des conditions opératoires sur le traitement des eaux usées par micro algue.		
	P23.	SAADALLAH Kelthoum	Dye pollution control : utilizing locally sourced adsorbent from Laghouat region for sustainable solutions.		
	P24.	CHABBA Samira	Study of the Thermodynamic Parameters Affecting the Removal of a Cationic Pollutant.		
	P25.	Ghibecche Ismail	Eude de la qualité des eaux souterraines dans la région de Djelfa.		
	P26.	AOURAGH Abdellatif	Treatment of industrial water from the textile factory, SAFILCO Ain Djasser Batna.		

	P27.	BOUCHELKIA Nasma	Jujube stones based highly efficient activated carbon for industrial textile wastewater decolorization: comparative study between two effluents.
	P28	BELHADJ AISSA Intissar	Employing Saccharothrix algeriensis for the biosynthesis of silver nanoparticles.
	P29	ZAABAL Moufida	Préparation de charbons actifs par activation chimique pour l'adsorption en phase liquide.
Place	May 19 Grandstand (Faculty of Economic Sciences)		
11h00 - 11h25	Plenary Session 3	Green corrosion inhibitors "Valorisation d'une substance naturelle Comme inhibiteur de corrosion"	Pr. FERHAT Mahmoud <ul style="list-style-type: none"> Department of Matter Science at Amar Telidji University in Laghouat.
11h25 - 11h50	Plenary Session 4	Pr. CHEKNANE Ali <ul style="list-style-type: none"> Hydrogène vert en Algérie: état de lieux et perspectives
11h50 - 12h10	Plenary Session 5	Pr. LOUHAB Krim On line <ul style="list-style-type: none"> Professor at M'hamed Bougara University in Boumerdes. Chief Editor of the Algerian Journal of Environmental Science and Technology, Director of the Algerian Center for Life Cycle Analysis and Eco-design.
<div>  LUNCH (12H30)  </div>			
Place	مدرج 19 ماي (كلية العلوم الاقتصادية)		قاعة المناقشات
Chairmen	<ul style="list-style-type: none"> Pr. SAIDAT Boubakeur Dr. BATANA Fatima Zohra Dr. MAHFOUDI Reguia 		<ul style="list-style-type: none"> Dr. DAOUD Mounir Dr. BENGUECHOUA Mebarka Imane Dr. HELLAL Djamilia
14h30 - 14h50	O11.	GUERMOUD Noureddine	Caractérisation des déchets ménagers en vue d'une preparation potential du Compost.
14h50 - 15h10	O12.	OULHACI Dalila	Filtration of purified waste water for irrigation.
15h10 - 15h30	O13.	CHICHOUNE Malika	La gestion intégrée et la valorisation des déchets en Algérie.
	O21.	TIMMAOUI Abdallah	Electrochemistry study of Enhanced counter-ion transport through anion exchange membranes in electromembrane processes.
	O22.	KHELALI Ahlem	Advanced Eco-friendly Method for Synthesizing Iron Nano Particles using Plant Extract for Industrial Wastewater Treatment.
	O23.	BRICHI Nour Elhouda	Kinetic and thermodynamic studies of gentian violet adsorption on natural and modified bentonite.

EVENT OFFICIAL PROGRAM				December 14 th ,2023		
Place	مدرج 19 ماي (كلية العلوم الاقتصادية)			قاعة المناقشات		
Chairmen	<ul style="list-style-type: none"> Pr. CHABIRA Salem Fouad Pr. BENCHATTI Ahmed Dr. DJAILI Salim 			<ul style="list-style-type: none"> Pr. HEBBOUL Zoulikha Dr. BABAGHAYOU Fatiha Dr. BENARRACHE Souad 		
08h30 - 08h50	O31.	BENLAKHDA R Faiza	Enhancing ZnX (X = O, Te, S) Compound Properties via LDA Approach and CASTP Program: Computational Investigation of Structural, Elastic, and Mechanical Aspects.	O35.	CHEMSEDDINE Aicha	Topologies of single-phase photovoltaic inverters.
08h50 - 09h10	O32.	ZAITRI Tameur	Effet de l'ajout des ailettes à l'intérieur du tube absorbeur sur les performances thermiques de PTC.	O36.	BENSENOUCI Halima	Les propriétés structurales, optiques et électrochimiques des couches minces électrochimiques d'oxyde de cuivre.
09h10 - 09h30	O33.	MADKOUR Abia Kamilia	Electrochemical and optical investigations on Ag doped CdS thin films for solar cell application.	O37.	MEZIANI Assia	Evaporation estimation for the Brezina reservoir dam- al Bayadh a novel model integrating Hamon and Schendel approaches.
09h30 - 09h50	O34.	BOUGUERGOUR Yassine	Etude expérimentale des performances énergétiques d'un système solaire thermique de production d'eau chaude à usage sanitaire.	O38.	NEBAIR Hocine	Metallurgical Transitions Characterization of Heat-Treated X70 Steels using Magnetic Barkhausen Noise method.
09h50 - 10h10	O39.	BENSEGHIR Abdelaziz	Simulation of Maximum Power Point Tracker with Q-learning.	O40.	M. Chahrazed	Deep Learning in Simulated Raman Shortcut-to-Adiabatic Passage.
<div>  COFFEE BREAK + POSTER SESSION  </div>						

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Chairmen	<ul style="list-style-type: none">• Pr. CHABIRA Salem Fouad• Pr. HEBBOUL Zoulikha• Dr. BABAGHAYOU Meriam Imane		<ul style="list-style-type: none">• Dr. YAGOUBI Wassima• Dr. BABAGHAYOU Fatiha• Dr. DJAILI Salim
10h10 - 12h00	P31.	BENCHERIF Amria	Synthèse par électrodéposition du film ZnS utilisé comme couche tampon dans la cellule solaire à base de CIGSe.
	P32.	TERBAH Hocine	Efficiencies evaluation of various advanced meta-heuristic optimization techniques for the optimal configuration of distribution systems in the presence of PV and wind turbine hybrid systems.
	P33.	BEGAGRA Anfal	Theoretical study on the different HTM and ETM layers' effect on the solar cell efficiency using SCAPS-1D.
	P34.	SARHANI Mohammed El Said	A theoretical study on potassium germanium tri-chloride for perovskite solar cells.
	P35.	HOUICHAR Salah-Eddine	Appropriate Diminution of the Magnetic Field Intensity Produces from the High Voltage Three Phase Overhead Transmission Lines.
	P41.	BEHILIL Asma	Characterization of raw clay for the removal of sulfate by adsorption.
	P42.	LASMI Faouzi	Processus d'adsorption pour éliminer les métaux lourds de l'eau contaminée.
	P43.	GOUANE Khadidja	Preparation and characterization of a biodegradable film based on potato starch.
	P44.	SAROUT Nesrine	Eco database electronic platform (ECO_DATA).
	P45.	GUENFOUD Fatima	Mise en évidence des mycorhizes arbusculaire chez l'armoise blanche, plante endémique des écosystèmes arides et semi-arides et leur effet sur les stress abiotiques.
	P46.	MAATI Ahmed	Numerical simulation of the propagation of corrosion defect in a pipeline transporting hydrocarbon.
	P47.	HADBI Mohamed	Structural stability and electronic structure properties of half-heusler in 18-electrons transparent conductors: ab-initio study.
	P48	HELLEL Djamila	Synthesis of tetrahydroquinolines and quinoline derivatives through the Lewis acid catalysed Povarov reaction: A comparative study between multi step and multi-component methods.
12h00 - 13h00	<ul style="list-style-type: none">• Conference closing• Rewards for the best posters and best oral presentations• Recommendations		
<div> Lunch (13h00) </div>			
A VISIT FOR THE PTAPC- LAGHOUAT (15H00)			

13 th December 2023		Session: Webinar (10 mins for presentation & 5 mins for questions)				
Room	ROOM 1 (Video conferences room)			ROOM 2 (Meeting room)		
Chairmen	<ul style="list-style-type: none"> Dr. BOURAS Hadj Daoud Dr.HELLAL Djamil 			<ul style="list-style-type: none"> Dr.BENGUECHOUA Mebarka Imane Dr.DAOUD Mounir 		
10h00 - 11h30	VO1.	ABDELMOUM ENE Hanane	Protecting water and the environment by treating water from the textile industry - Tlemcen (western Algeria).	VO10.	BENMAHDI Fatiha	Synthesis and characterization of high surface area mesoporous activated carbon from pomegranate processing solid waste by chemical activation.
	VO2.	BOURAHALA Amel	Analyzing the physico-chemical properties of wastewater from the Bordj Bou Arreridj wastewater treatment facility.	VO11.	BOULEGHEBAR Yasmina	Propriétés mécaniques et absorption d'eau de Mortier autoplaçant avec de la poudre de verre recyclé et de la brique calcinée.
	VO3.	SAIM Souhila	Détection des résidus du ciprofloxacine dans les eaux usées.	VO12.	FEDDAL Imane	Valorisation d'une biomasse végétale – Application à l'adsorption des colorants.
	VO4.	KOLLI Mounira	Etude de l'adsorption du Vert acide 20 par le charbon actif commercial.	VO13.	BENAISSA Sarra	Valorisation des effluents piscicoles pour la production alimentaire par le biais d'un système aquaponique: étude expérimentale à Biskra.
	VO5.	BOUNAADJA Zoulikha	Stratégies et techniques de développement durable des ressources en eau en Algérie par le traitement et le recyclage des eaux usées.	VO14.	METNA Fatiha	Assistance de quelques villages de la commune de Bouzeguene (Tizi-Ouzou) pour le perfectionnement de leur schéma de gestion des déchets ménagers.
	VO6.	AOUDJIT Farid	Heterogeneous Photocatalytic Degradation under UV Irradiation of pharmaceutical pollutant	VO15.	KOUADRI Saber	Predicting Treated Wastewater Quality at Illizi WWTP Using Machine Learning and Remote Sensing.
	VO7.	RABHI Fadhila	Imidazolium-Based Ionic Liquid for Ethyl acetate Separation from Water.	VO16.	MEZIANE Ouahiba	Valorization of agricultural wastes from orange peels by adsorption of organic pollutants.
	VO8.	MEGLALI Omar	Dégradation photocatalytique du bleu de méthylène à l'aide de CuO en couches minces.	VO9.	MEKIDICHE Bouchra	Removal of Methyl Violet 2B Dye from Water Using Modified Carob Fruit.
	VO9	ALAOUNIA Nadjette	Photodégradation du colorant Méthyle orange en milieu aqueux en présence de TiO2/UV/O2	VP1.	BADIS Dalila	Elimination of malachite green by adsorption of agricultural by-products (rosmarinus officinalis.

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Chairmen	<ul style="list-style-type: none"> • Prof. DJEDID Mabrouk • Dr.ZAABAL Moufida 			<ul style="list-style-type: none"> • Dr.BRIKI Khaled • Dr.ABBASSI Mouna Souad 		
11h30 - 13h00	VP2.	BENAKCH A Mansoura	Optimisation de la coagulation/floculation de l'aluminium pour l'élimination de la DCO et de la turbidité des eaux usées dans la province de Biskra.	VP10	BELAID Taous	Etude du phénomène d'adsorption d'un colorant cationique le Bleu de Méthylène (BM) sur les coquilles de noix de coco modifiées.
	VP3.	BAASSOU Zohra	Caractérisation et adsorption de l'Acid Blue 40 par Charbons actifs en poudre préparés à partir de Ficus Carica L.	VP11	BABOURI Kaoutar	Enhancing Cement Brick Properties Through Incorporation of Plastic Bag Strips.
	VP3.	YAKOUBI Mimouna	Epuration des eaux usées par filtration sur sable (cas des bains maures à Adrar ville).	VP12	BOUYEGH Saïda	Calcium phosphate Biomaterials from Agricultural Waste : bovine bone -based Hydroxyapatite.
	VP4.	DRA Rafik El Arslene	Valorisation of biomaterial for removal of cationic dyes from wastewater.	VP13	TOUATI Lamis	The use of plant waste as a source of pickling inhibitors.
	VP5.	ABID Chania	Study of methylene blue adsorption process on Algerian soil by column method.	VP14	KADDOURI Nawal	Valorization and recycling of date palm waste.
	VP6.	ADDALA Abdelhamid	Biosorption performance of pomegranate peel wastes for toxic lead ions removal.	VP15	KHELIF Meriem	Valorisation des déchets agricoles par procédé d'extraction de la silice.
	VP7.	KADRI Abdelaziz	Evaluation of groundwater quality for irrigation water purposes in the insalah region.	VP8	BOULEKRIN AT Amina	Synthesis and characterization of multilayer ceramic membranes for wastewater treatment.
				VP9	BOUZIANE Lamia	Contribution à l'amélioration de la qualité des eaux traitées de station de déshuilage Haoued Berkaoui par deux procédés.

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Chairmen	<ul style="list-style-type: none"> Pr. FERHAT Mahmoud Dr. BOURAS Hadj Daoud 			<ul style="list-style-type: none"> Pr. KAOUKA Alaeddin Dr. BABAGHAYOU Fatiha Dr. BENSAFEDDINE Djalal Eddine 		
14h30 - 16h30	VP16.	BOUZIANE Lamia	Valorisation of Nuclei and Bark of Ziziphus Jujuba in waste water treatment.	VO18.	BENATMANE Saadiya	Etude ab-initio des constantes diélectriques d'un matériau binaire à base de bismuth.
	VP17.	BACHA Oussama	CuO nanostructures as photocatalyst: An approach to water treatment of organic pollutants.	VO19.	ZAIDI Nadia	New mechanism of electrodeposited copper and its oxide onto planar aluminium electrode.
	VP18.	BRAHMI Nour-Elhouda	The adsorption of a food coloring the Yellow Tartrazine.	VO20.	MAALEM Youcef	Cooling Performance Investigation of Pure Low-GWP Refrigerants as Substitutes for R134a (1,1,1,2-Tetrafluoroethane) in Standard Cooling System : Search for an Adequate Refrigerant.
	VP19.	MESROUK Samir	Study of Synergistic Systems based on TOPO-Aliquat 336 for Selective Separation of Copper-Magnesium.	VO21.	BENABED Meriem	Eco-friendly and cleaner process for isolation of essential oils.
	VO17.	MIHOUB Abderrezak	Synthèse et caractérisation d'un hydroxyde double lamellaire Mg-Fe. Application à l'élimination d'un colorant de tannage (Noir acide).	VO22.	CHELIL Naouel	Superior Ferroelectric Properties Coupled with High Shift Current of Copper Sulfide Cu ₂ S for Green Energy Conversion : Theoretical Study.
				VO23.	DAOUDI Lina	Flatness-based control for PV/WT/Battery hybrid power system using neural network as a control law.
				VO24.	MEKERSI Romaissa	Semiconducting and electrochemical properties of the perovskite KNBO ₃ . Application to H ₂ production Under Visible Light.
				VO25.	DJEBABLIA Ikram	Hydrogen storage on 2D-carboneous single-layer : A DFT study.

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Chairmen	<ul style="list-style-type: none"> Dr. YAGOUBI Wassima Dr. SEHAIRI Kamel 			<ul style="list-style-type: none"> Pr. MAATI Ahmed Dr. BELAID Salim 		
08h30 - 10h00	VO26.	MEGLALI Omar	Electrodeposition of environment-friendly CZTS absorbing layer for photovoltaic applications.	VO29.	MESSAOUDI Zakarya Ayoub	Removal of Cationic Dye in Aqueous Solution by Photocatalytic Degradation Using Natural and Modified Clays by Vanadium(V) Oxide Under Sunlight Irradiation.
	VO27.	ROUGAB Ilyas	Etude et simulation des commandes MPPT d'un système photovoltaïque sous variation des conditions météorologiques.	VO30.	RETEM Chahira	Etude sur les réponses métaboliques des rats males wistar dans un environnement nociceptif.
	VO28.	CHERROUN Rima	Study the impact of bulk traps on an IZTO/Ga ₂ O ₃ /ITO solar-blind photodetector.	VO31.	OUNIS Amina	Photodegradation of Rhodamine B by nanocomposite Co-Doped BTO/ZW synthesized by molten salt method .
	VP20.	KOUHLANE Yacine	Solar Energy Prediction in Algeria : A Supervised Machine Learning Approach.	VO32	KSOURI Ahlem	Synthesis and characterization of a photocatalytic semiconductor material.
	VP21	KERNANI Ridha	Unlocking Efficient Bioethanol Production from lignocellulosic biomass through Enzymatic Hydrolysis and Yeast Fermentation.	VO33.	MAHROUG Abdelhafid	Synthesis of copper oxide/zinc oxide nanocomposites thin films and their photodegradation properties.
	VP22.	REKKACHE Hadjer	Structural and Optical properties of CuIn ₃ Se ₅ / Cu ₂ SnSe ₃ thin films.	VO34.	LAOUFI Abdessalem	Groundwater contamination in agricultural areas : case of the Hennaya plain, Tlemcen.
	VP23.	KESSENTINI Nour Elhouda	Deposition of thin films from copper-based Cu ₂ ZnSnS ₄ nanopowders.	VO35.	ZAMICHE Samira	Apport des méthodes indexées dans l'évaluation de la qualité de la nappe de la Mitidja (Nord-Algérie).
	VP24.	MERDASSI Mustapha	Winter heating of air via an earth-air heat exchanger.	VO36	BOURAMDANE Abderraouf	Experimental study of horizontal and inclined solar radiation through empirical models applied in Photovoltaic power plants center, Ghardaïa state.

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Chairmen	<ul style="list-style-type: none"> Pr. KAOUKA Allaeddine Dr. BENSAFEDDINE Djallel eddin 			<ul style="list-style-type: none"> Pr. TAOUTI Mohamed Benabdallah Dr. ZAABAL Moufida 		
10h00 - 13h00	VP25.	MOSBAH Salima	Characterisations of New Material Based on Phenyl Vinyl Acrylonitril, Used as Precursor in Solar Cells.	VO36	BENAISSA Amina	Traitement du composé aromatique Para Xylène par encapsulation.
	VP26.	DJELDJELI Tarek	Evaluating the Thermal Behavior of Pitched and Flat Roofs with Natural Convection Ventilation : A Comparative Study.	VP34.	NOURI Laib	Valorisation et traitement chimique des fibres végétales pour préparer des matériaux composites.
	VP27.	ARAB Assia	Nanotechnology Boosting Solar Efficiency: A Sustainable Energy Revolution.	VP35.	NOUIOUA Nour Elhouda	Investigation of the impact of various chemical substances on the properties of palm fiber reinforced polyethylene composites.
	VP28.	BENALLAL Sara	Study of morphological, semi conducting and electrochemical characteristics of the brownmillerite $\text{Ca}_2\text{Fe}_2\text{O}_5$, used as photocatalyst for hydrogen production.	V36.	AISSAOUI Dihia	Caractérisation parasitologique des eaux épurées de la station d'épuration de la commune de Tizirt.
	VP29.	BELARBI Mosaab	Investigation of Lead-Free FASnI_3 -Based Perovskite Solar Cell Performance Using phenyl-C61-butyric acid methyl ester (PC61BM) as an Electron Transport Layer.	VP37.	BAKA Ouidad	Determination of optimal electrodeposition conditions of NiO thin films for environmental applications
	VP30.	ABDELLAOUI Doua	Comparison between absorber materials $\text{CH}_3\text{NH}_3\text{GeI}_3$ and CsSnGeI_3 in nip perovskite solar cell	VP38.	HADDAD Hanane	استخدام الاستشعار عن بعد في رصد تدهور الغطاء النباتي
	VP31.	DIAB Ibtissem	Geochemistry evaluation of phosphorite deposits in Ain Dibba and Ain Kissa (NE Algeria).	VP39.	SACI Fatima Zohra	Contribution of green Deep Eutectic Solvents in organic synthesis- Asymmetric Biginelli reaction as an example of application-.
	VP32.	KACEMI Nourelhouda	First-principles Calculations of Optical Properties of Bi_2S_3 .	VP40.	MEKIDECHE Mounir	Synthesis of Graphitic Nitride modified Maghnite Clay Catalyst for Efficient Dye Degradation via Impregnation Calcination Method.
	VP33.	AIT AMRANE Ouardia	Supplying electricity from a hybrid PV/wind turbine system to an isolated house.	VP41.	MEKKI Amel	Degradation of organic pollutant by new composite beads.



THANK YOU

For Being a Part of SRWWE 2023!

Your participation, enthusiasm, and dedication have made SRWWE 2023 a remarkable journey toward a sustainable future. Together, we've ignited discussions, shared insights, and fostered a community committed to environmental well-being.