



Faculty of Technology  
Departement of Mechanical Engineering

## PROGRAM-IPPM2023

Workshop: AI & Mechanical Sciences

	Monday 11/12/2023	Tuesday 12/12/2023	Wednesday 13/12/2023
09:00-10:00	Opening Ceremony Exhibition tour	Pr. H. BENMOUSSA, Univ. Batna 2 Situation and Circumstances of Renewable Energies and Green Hydrogen in Algeria	Drs. C. LABIOD & R. MENECEUR, Univ. El Oued Smart Techniques for Power Electronics Control Using Embedded Boards in Various Converters
10:00-11:00		Pr. A. METATLA, Univ. Skikda Intergration of artificial intelligence to ensure the energy transition	Drs. A. KEDDOUDA & A. BOUKHARI, Univ. El Oued AI-Based Renewable Energy Applications in Mechanics: A Case Study
11:00-12:00		Poster/Coffee Break	Poster/Coffee Break Dr. M. I. BOULIFA & Pr. A. HADJI, Univ. El Oued Les matériaux utilisés en génie mécanique et rôle de intelligence artificielle
12:00-13:00		Dr. Y. MEGDOUD, Univ. Tipaza Ab-initio Investigation into the Physical Characteristics of CuInX <sub>2</sub> (X=Se and Te) Compounds	Dr. K. LADJAL, Univ. KOVILIA, Portugal & Dr. A. Mahmoudi, Univ. El-Oued How to develop a detection method
13:00-14:00	Lunch	Dr. N. MENECEUR & Mr. I. BOUAZIZ, U. El-Oued Introduction à la Dynamique des Fluides Numérique (CFD) Couplée aux outils de l'Intelligence Artificielle (IA)	Lunch
14:00-15:00	Pr. Y. SOUFI, Univ. Tebessa Artificial Intelligence in Engineering Applications	Lunch	Closing Ceremony
15:00-16:00	Pr. A. ATIA & Dr. K. MANSOURI, Univ. El-Oued Python Programming in Scientific Computing	Free Time	
16:00-17:00	Drs. H. AHMED MESSAI & A. MAHMOUDI, Univ. El Oued On European Programs, Scholarships, Scientific Publishing & Related		

Oral session

Full name	Affiliation	Title
Dr. Abdeljalil Laouini	Univ. El-Oued	Solar Drying Application In Saharian Climate Region

Poster session

Full name	Affiliation	Title
Lalmi Rahmani	Univ. El-Oued	Visualizing with Python for Heat Transfer in HPHT Wells: Approaches for Energy Transfer and Production, Rahmani Lalmi
Maissa Bouselsal	Univ. Skikda	L'effet de Nano-Fluide Hybride Cu-TiO <sub>2</sub> /EG Dans la Performance des Echangeurs de Chaleur Tube Carrée
Mosbah Laouamer	Univ. El-Oued	New Strategy for Optimal Placement of PMUs in Electrical Distribution Radial Networks
Khaled Miloudi	Univ. El-Oued	Utilisation la méthode de l'algorithme génétique pour mesurer la conductivité électrique des matériaux liquide
Bachir Zine	Univ. El-Oued	amélioration de l'autonomie d'un système embarque
Lalmi Rahmani	Univ. El-Oued	Artificial Intelligence for Wellbore Drilling Optimization
Rabia Bousbia	Univ. El-Oued	تسعير الأدوات المالية باستخدام لغة البايثون
Ali Bebboukha	Univ. El-Oued	Improving Grid-Connected Renewable Energy Systems' Stability and Reliability Via FCS-MPCC With CMV Mitigation
Seif Eddine Bousbia Salah	Univ. El-Oued	modeling of experimental data of thin-layer drying kinetics of potatoes in an indirectly forced convection solar dryer (flat-plate)
Aoun Yacine	Univ. El-Oued	L'exploitation du chauffage solaire thermique pour élaborer des couches minces de ZnO
Hechifa Abdelmoumene	Univ. El-Oued	Optimizing Transformer Diagnostics: A Comparative Study of Data Augmentation and Data Synthetic Approaches
Afaf Ben Amor	Univ. El-Oued	New adjustable gains of the Backstepping with Integral by Rooted Tree Optimization method of the DFIG
Med Taher Gherbi	Univ. El-Oued	Study of the mechanical properties of palm leaf fibers
Yousra Boussida	Univ. El-Oued	Synthesis and characterization of physical properties of the NiO thin films by various concentrations
Abdelkamel Maamri	Univ. El-Oued	إستخدامات الذكاء الاصطناعي في إدارة المشاريع.
Assia Meziane	Univ. El-Oued	Importance of AI in Animal Husbandry
Oubouزيد Nacima	Univ. El-Oued	Analyzing the Impact of Current Sensor Quality on Total Harmonic Distortion in Diverse Operating Conditions for Electrical Meter Applications

Abdelhak Keddouda	Univ. M'sila	CFD Based and Machine Learning Modeling and Prediction of Photovoltaic Modules' Temperature and Power Output
Abdelkrim Mohrem	Univ. El-Oued	Novel Energy Metring Techniques
Lamine Medekhel	Univ. El-Oued	Implementation of modified Model Predictive Control for Photovoltaic Grid Connect



**Faculty of Technology**

**Departement of Process Engineering & Petrochemistry**

**PROGRAM-IPPM2023**

**Workshop: AI, Process Engineering & Petrochemistry**

	Monday 11/12/2023	Tuesday 12/12/2023	Wednesday 13/12/2023
09:00-10:00	<b>Opening Ceremony Exhibition tour</b>	<b>The importance of artificial intelligence and simulation techniques in chemistry and chemical engineering</b> <i>Dr. Bachir Ben Seghir &amp; Dr. Salah Eddine Hachani</i>	<b>Scientific publishing tools</b> <i>Dr. Abderrhmane Bouafia</i>
10:00-11:00		<b>Laboratory visit</b>	<b>Writing scientific articles and combating academic plagiarism</b> <i>Hamdi Ali Mohammed, PhD &amp; Pr. Salah Eddine Laouini</i>
11:00-12:00		<b>Poster/Coffee Break</b>	<b>Poster/Coffee Break</b>
12:00-13:00	<b>Lunch</b>	<b>Laboratory visit</b>	<b>Grants for doctoral students: short-term mobility and improvement abroad program, PRFU and PNR projects</b> <i>Dr. Hadia Hemmami ; Dr. Soumia Zeghoud &amp; Ilham Ben Amor, PhD</i>
13:00-14:00	<b>Energy security and sustainable development in Algeria</b> <i>Pr. Ladjel Segni</i>	<b>Revolutionizing Carbon Mitigation: The Role of AI in Material Engineering</b> <i>Pr. Omar Ben Mya</i>	<b>Navigating the Future of Scientific Publishing: From Traditional Journals to Open Access Frontiers</b> <i>Gamil Gamal Hasan, PhD</i>
14:00-15:00	<b>L'hydrogène vert est le carburant de future</b> <i>Pr. Nasreddine Chennouf</i>	<b>Lunch</b>	<b>Lunch</b>
15:00-16:00	<b>Charbon actif- de la matière première au produit finis</b>	<b>Free Time</b>	

16:00-17:00	<i>Pr. Mohamed Lamine Sekirifa</i>		<b>Closing Ceremony</b>
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**Poster session: Tuesday 12/12/2023 (11:00 to 12:00)**

<b>N°</b>	<b>Full name</b>	<b>Affiliation</b>	<b>Paper Title</b>
<b>01</b>	Ahlam Hacine Gherbi	University Echahid Hamma Lakhdar, El Oued	Leveraging Machine Learning for Advancements in Materials Science using Python
<b>02</b>	Latra Benkhira	University Echahid Hamma Lakhdar, El Oued	Synergy between artificial intelligence and nanoparticles: innovations and environmental applications
<b>03</b>	Tabet Amina	University Echahid Hamma Lakhdar, El Oued	Enhanced of Photocatalytic Activity of Biosynthesized ZnO/CuO/Cu <sub>2</sub> MgO <sub>3</sub> Nanoparticles for the Degradation of Bromocresol Green
<b>04</b>	Kenza Ghanem	University Mohammed Khider, Biskra	Study of the Influence of Welding Parameters on the Microstructure and Mechanical Behavior of Steel-Steel Assemblies Obtained by Arc Welding
<b>05</b>	Henda Daoudi	Laboratory of Bioresources, Integrative Biology and Exploiting, Biotechnology Higher Institute, Monastir University, 5000 Monastir, Tunisia	Molecular docking studies of silver nanoparticles (AgNPs) for their potential use against SARS-CoV-2



<b>06</b>	Abir Ben Aissa	University Echahid Hamma Lakhdar, El Oued	Schiff Bases as Smart Materials: Synthesis, Properties, and Emerging Applications in Advanced Technologies
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**Poster session: Wednesday 13/12/2023 (11:00 to 12:00)**

<b>N°</b>	<b>Full name</b>	<b>Affiliation</b>	<b>Paper Title</b>
<b>01</b>	Saddam Houcine Nasrat	University of Monastir, Tunisia	Artificial Intelligence Integration for Enhanced Urban Air Quality Predictions at the Neighborhood Scale: A Theoretical Study
<b>02</b>	Khaoula Alia	University Echahid Hamma Lakhdar, El Oued	Navigating Adsorption Intelligence: A Schiff's Base and Design Expert Approach
<b>03</b>	Ilham Ben Amor	University Echahid Hamma Lakhdar, El Oued	Optimization using central composite design
<b>04</b>	Iman Kir	University Echahid Hamma Lakhdar, El Oued	Green synthesis of copper nanoparticles and Their Modification with Polyethylene Glycol to enhance photocatalytic activities
<b>05</b>	Abderrazek Aoun	University Echahid Hamma Lakhdar, El Oued	Study of the energy profile for the reaction between zinc acetate and eucalyptus extract using DFT calculations

<b>06</b>	Chaima Salmi	University Echahid Hamma Lakhdar, El Oued	Green Synthesis of Mn <sub>3</sub> O <sub>4</sub> /PVP Nanocomposite for Sunlight-Driven Photocatalytic Removal of Organic Dyes from Wastewater
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Faculty of Technology

Departement of Electrical Engineering

## PROGRAM-IPPM2023

Workshop: Electrotechnics and Telecommunications

Workshops: Electrotechnics (Amphitheater :D)

	11/12/2023	12/12/2023	13/12/2023
09:00-10:00	<b>Opening Ceremony</b> <b>Exhibition tour</b>	<b>Control of Induction Machine by Fuzzy Logic: Simulation and Experimental Study</b> <b>Pr. Mohamed Toufik Benchouia + Pr. Kamel Srairi</b>	<b>How to Publish a Paper</b> <b>Mr. Djamel Eddine Boukhari</b>
10:00-11:00		<b>Simulation of Solar Photovoltaic Three-Phase Grid-Connected Fed Induction Motor for Water Pumping</b> <b>Dr. Hicham Serhoud</b>	
		<b>Control of Shunt Active Power Filters using AI</b> <b>Dr. MAHNI Tidjani</b>	
11:00-12:00			<b>Poster/Coffee Break</b>
12:00-13:00			<b>Tests in Laboratory of High Voltage</b> <b>Dr. Ali Khechkhouche</b>
13:00-14:00		<b>Lunch</b>	<b>AI New Era: How to Use AI in Scientific Research Enhancement</b> <b>Dr. Abdelkader Hima</b>

<b>14:00-15:00</b>	<b>Smart Microgrid and Smart Cities Pr. Mohamed Becherif</b>	<b>Lunch</b>	<b>Closing Ceremony</b>
<b>15:00-16:00</b>		<b>Exploring the Frontiers of Artificial Intelligence: Innovations, Applications, and Ethical Considerations Pr. Abdeldjalil Ouahabi</b>	
<b>16:00-17:00</b>	<b>Metaheuristic Methods in Optimization Problems Dr. Abdelmalek Gacem + Dr. Yacine Labbi</b>		

Workshops: Telecommunications (Room: 27)

	11/12/2023	12/12/2023	13/12/2023
09:00-10:00	<b>Opening Ceremony Exhibition tour</b>	<b>Application of Artificial Intelligence in Telecommunications, Image and signal Processing Dr. Adel Dallali</b>	<b>How to Publish a Paper Mr. Djamel Eddine Boukhari</b>
10:00-11:00		<b>Artificial Intelligence in Biometry Dr. Khaled Bencid + Pr. Djamel Samei</b>	<b>Big data and AI: Relationship and Techniques Dr. TELLI Adelmoutia</b>
11:00-12:00		<b>Application of AI in Telecommunications, Image and Signal Processing Dr. El-Hadi Meftah</b>	<b>Poster/Coffee Break</b>

<b>12:00-13:00</b>		<b>AI New Era: How to Use AI in Scientific Research Enhancement</b> <b>Dr. Abdelkader Hima</b>	<b>Smart City : Concept, Challenges and Key Technologies</b> <b>Dr. Soheyb Ayad</b>
			<b>Getting Started with LaTeX: A Hands-on Workshop for Scientific Writing</b> <b>Dr. Abir Betka and Dr. Hadjadji Narimane</b>
<b>13:00-14:00</b>	<b>Lunch</b>		<b>Lunch</b>
<b>14:00-15:00</b>	<b>Smart Microgrid and Smart Cities</b> <b>Pr. Mohammed Becherif</b>	<b>Lunch</b>	<b>Closing Ceremony</b>
<b>15:00-16:00</b>		<b>Exploring the Frontiers of Artificial Intelligence: Innovations, Applications, and Ethical Considerations</b> <b>Pr. Abdeldjalil Ouahabi</b>	
<b>16:00-17:00</b>	<b>Metaheuristic Methods in Optimization Problems</b> <b>Dr. Abdelmalek Gacem</b> <b>+ Dr. Yacine Labbi</b>		

<b>Oral session</b>		
<b>Full name</b>	<b>Affiliation</b>	<b>Title</b>
<b>Pr. Abdeldjalil Ouahabi</b>	<b>University of Tours, France</b>	<b>University of Tours, France</b>
<b>Dr. Hicham Serhoud</b>	<b>University of El Oued, Algeria</b>	<b>Simulation of Solar Photovoltaic Three-Phase Grid-Connected Fed Induction Motor for Water Pumping</b>
<b>Dr. Ali Khechkhouché</b>	<b>University of El Oued, Algeria</b>	<b>Tests in Laboratory of High Voltage</b>
<b>Dr. Abdelmalek Gacem</b>	<b>University of El Oued, Algeria</b>	<b>Metaheuristic Methods in Optimization Problems</b>
<b>Dr. Yacine Labbi</b>	<b>University of El Oued, Algeria</b>	<b>Artificial Intelligence in Biometry</b>
<b>Pr. Djamel Samei</b>	<b>University of Ouargla, Algeria</b>	<b>Artificial Intelligence in Biometry</b>
<b>Dr. Khaled Bencid</b>	<b>University of Ouargla, Algeria</b>	<b>Artificial Intelligence in Biometry</b>
<b>Pr. Mohammed Becherif</b>	<b>University of Biskra, Algeria</b>	<b>Smart Microgrid and Smart Cities</b>
<b>Dr. Abdelkader Hima</b>	<b>University of El Oued, Algeria</b>	<b>AI New Era: How to Use AI in Scientific Research Enhancement</b>
<b>Mr. Djamel Eddine Boukhari</b>	<b>University of El Oued, Algeria</b>	<b>How to Publish a Paper</b>
<b>Pr. Mohammed Toufik Benchouia</b>	<b>University of Biskra, Algeria</b>	<b>Control of Induction Machine by Fuzzy Logic: Simulation and Experimental Study</b>
<b>Pr. Kamel Srairi</b>	<b>University of Biskra, Algeria</b>	<b>Control of Induction Machine by Fuzzy Logic: Simulation and Experimental Study</b>
<b>Dr. TELLI Adelmoutia</b>	<b>University of Biskra, Algeria</b>	<b>Big data and AI: Relationship and Techniques</b>
<b>Dr. MAHNI Tidjani</b>	<b>University of El Oued, Algeria</b>	<b>Control of Shunt Active Power Filters using Fuzzy Logic</b>
<b>Dr. Soheyb Ayad</b>	<b>University of Biskra, Algeria</b>	<b>Smart City : Concept, Challenges and Key Technologies</b>
<b>Dr. Adel Dallali</b>	<b>University of Gafsa, Tunisia</b>	<b>Application of Artificial Intelligence in Telecommunications, Image and signal Processing</b>



<b>Dr. Abir Betka</b>	<b>University of El Oued, Algeria</b>	<b>Getting Started with LaTeX: A Hands-on Workshop for Scientific Writing</b>
<b>Dr. Hadjadji Narimane</b>		
<b>Dr. El-Hadi Meftah</b>	<b>University of USTHB, Algeria</b>	<b>Exploring Frontiers: The Crucial Role of Deep Learning in Wireless Communication Systems</b>

<b>Poster session</b>		
<b>Full name</b>	<b>Affiliation</b>	<b>Title</b>
<b>Salem Bendouiem</b>	<b>University of El Oued, Algeria</b>	
<b>Guedda Aymane</b>	<b>University of El Oued, Algeria</b>	<b>Fault tolerant control for multi level inverter using self-adaptive machine learning diagnostic method and fuzzy logic control in shunt active power filter application</b>
<b>ADAIKA Hamza</b>	<b>University of El Oued, Algeria</b>	<b>A New Rotor Broken Bar Fault Diagnosis by Using CNN Based Current Signal of An Induction Motor</b>
<b>Zineb Adaika</b>	<b>University of Biskra, Algeria</b>	<b>Diagnosis and Fault Detection for Quadrotor via Machine Learning</b>
<b>Hammoudii Ben Ail</b>	<b>University of El Oued, Algeria</b>	<b>Comparative Study between Direct Torque and Direct Power Control Schemes for a DFIG-Based Wind Turbine Generator</b>
<b>Ahfouda Abdelkarim</b>	<b>University of El Oued, Algeria</b>	<b>Control of Shunt Active Power Filter based on ZSource Inverter Fed by PV System</b>
<b>Ibrahim Monia</b>	<b>University of Gafsa, Tunisia</b>	<b>Make Doctors and Specialists so available</b>
<b>Dalal Zellouma</b>	<b>University of El Oued, Algeria</b>	<b>Fractional Order-Backstepping Control of</b>

		<b>Induction Motor</b>
<b>Fadhila Salhi</b>	<b>University of El Oued, Algeria</b>	<b>Shunt Active Power Filter Control based on Fractional Order PI</b>



Faculty of Technology

Departement of Hydraulic and Civil Engineering

**PROGRAM-IPPM2023**

Workshop: AI & Civil Engineering

	Monday 11/12/2023	Tuesday 12/12/2023	Wednesday 13/12/2023
09:00-10:00	Opening Ceremony Exhibition tour	Pr. Hamdi Nouredine <b>(Hyd+ GC)</b>	Dr. Ali Hachemi <b>(Hyd+ GC)</b>
10:00-11:00		Pr . Tahar DOUADI <b>(Hyd+ GC)</b>	Pr. Salim Guettala
11:00-12:00		<u>Poster/Coffee Break</u>	Poster/Coffee Break
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12:00-13:00		Dr. Wissem Hamdi <b>(Hyd+ GC)</b>	<u>Oral Sessions</u>
13:00-14:00	Lunch	Pr. Ahmed Belaadi <b>(GC)</b>	Lunch
14:00-15:00	Pr. Nafaa Zahreddine <b>(GC)</b>	Lunch	Closing Ceremony
15:00-16:00	Pr. Cherait Yacine <b>(GC)</b>	Free Time	
16:00-17:00	<u>Oral Sessions</u>		

Oral session

Full name	Affiliation	Title
MILOUDI Badr Eddine	University of Eloued	Optimisation de l'intégration des Sables de Forage Pétrolier dans la Composition du Béton
Tahar ZERIG	University of Guelma	Utilizing PET fiber polymer in the manufacture of eco-mortar using the RSM method

Poster session

Full name	Affiliation	Title
Abdelhamid Khelifi	University of Guelma	Influence de l'incorporation de fibres naturelles Washingtonia Filifera sur les propriétés mécaniques du mortier
Mani Mohamed	University of Eloued	Heat-treated oil well sand and its exploitation in construction
Tarek Djedid	University of Eloued	Reviewing the Performance and Uses of Lightweight Geopolymer and Alkali Activated Composites Incorporating Ceramic, Polymeric, and Lignocellulosic Waste as Aggregates



Faculty of Technology  
Departement of Hydraulic and Civil Engineering

## PROGRAM-IPPM2023

Workshop: AI & Hydraulic

	Monday 11/12/2023	Tuesday 12/12/2023	Wednesday 13/12/2023
09:00-10:00	Opening Ceremony Exhibition tour	Pr. Hamdi Nouredine <b>(Hyd+ GC)</b>	Dr. Ali Hachemi <b>(Hyd+ GC)</b>
10:00-11:00		Pr . Tahar DOUADI <b>(Hyd+ GC)</b>	Pr. Bachir Sakaa <b>(Hyd)</b>
11:00-12:00		<u>Poster/Coffee Break</u>	Poster/Coffee Break
			Dr. Mohammed Amin Hafnaoui <b>(Hyd)</b>
12:00-13:00		Dr. Wissem Hamdi <b>(Hyd+ GC)</b>	<u>Oral Sessions</u>
13:00-14:00	Lunch	Dr. Imen Amri <b>(Hyd)</b>	Lunch
14:00-15:00	Dr. Nabil BESSANANE (Hyd)	Lunch	Closing Ceremony
15:00-16:00	Pr. Ghazali MEBARKI (Hyd)	Free Time	
16:00-17:00	<u>Oral Sessions</u>		



Oral session			
N°	Full name	Affiliation	Title
01	Racha Kara	University of Biskra	Preparation of Mg/Al-LDH- modified biochar: Application for the removal of phosphorus from water environment
02	Bessanane Nabil	University of Batna	Heat transfer improved and turbulent hydrodynamic characteristics: pin-fin heat sinks
03	MEGUELLATI Soumia	University of Eloued	PROBLEMATIQUE DES FLUORURES ELEVEE DANS LES EAUX SOUTERRAINES ET LES METHODES DE SON ELMINATION
04	Ghomri ali	University of Eloued	Contribution à l'étude expérimentale de l'approche semi théorique du ressaut hydraulique développé dans un canal rectangulaire composé avec lit mineur rugueux.
05	Nani Houari Boumedien	University of Eloued	Possibilité de réutilisation des eaux usées épurées dans l'irrigation de Portulaca oleracea : cas des eaux de la STEP de Sidi Aoune (El Oued)

Poster session			
N°	Full name	Affiliation	Title
01	Abdelhalim Mghezzi Chaa	University of Eloued	Amino-Functionalized Biochars: Characteristics, Properties, and Adsorption Performances - A Review
02	Imane Bouchareb	University of Skikda	Utilization of Biochar Produced from Pomegranate Peels for the Effective Adsorption of Dyes in Water
03	Fateh Barbari	University of Eloued	Elimination rétention du plomb dissout dans l'eau par le charbon actif préparé à partir des noyaux de dattes (variété : Deglet Nour)
04	Khechana Salim	University of Eloued	Estimation de l'évapotranspiration potentielle et réelle dans une zone hyper aride (cas d'oued Souf -se algérien-)
05	Salah Eddine Khetta	University of Eloued	Le ghout de Souf et les modernes agricultures à l'aide de SIG
06	DAHMANE Laoud	University of Eloued	Impact of Controlled and Uncontrolled Landfills on Water Resources and Soil through Their Leachate
07	Mohammed Faouzi LACHEHEB	University of Eloued	Apport de l'intelligence artificielle combinée avec les systèmes d'information géographique pour l'identification des Ghouts menacés de disparition
08	Okba Moussaoui	University of Eloued	Artificial Intelligence for mapping the spatial and temporal variation meteorological drought in the Aures, Algeria'
09	BOUSLAH Soraya	University of Annaba	Modeling of optimal coagulant dose using artificial neural network application to water treatment plant of Guelma
10	BESSER Djamel	University of Eloued	Contribution au développement de l'approche semi théorique régissant le ressaut hydraulique crée en canal rectangulaire composé rugueux.
11	Herri Ibtissam	University of Eloued	Contribution à l'étude expérimentale de la longueur relative du ressaut hydraulique évoluant en canal rectangulaire de forme composée avec lit mineur rugueux.
12	Khechiba Haroun	University of Eloued	Contribution à l'étude des approches empiriques adimensionnelles caractérisant le ressaut hydraulique évoluant dans un canal rectangulaire de section composée avec lit rugueux
13	Sabiha HAKKAR	University of Khenchela	Use of German and Algerian illite clay as adsorbent for the RB5 dye removal from water media
14	Sena LACHEHEB	University of Gherdaia	
15	Riguet Ferhat	University of Eloued	

16	CHELBI Abderrahmane	University of Ouargla	WATER QUALITY IN AN ARID WEATHER AREA, CASE: GROUND WATER OF TERMINAL COMPLEX ALGERIAN SOUTHEAST
17	Oum Elkheir BACHI	University of Eloued	Effectiveness of monolayers in reducing evaporation from water bodies and their effects on water quality and aquatic beings