



الجمهورية الجزائرية الديمقراطية الشعبية  
وزارة التعليم العالي والبحث العلمي  
جامعة قسنطينة 3 - صالح بونيدر  
معهد تسيير التقنيات الحضرية

مخبر الاستشراق الجغرافي والبيئة والتنمية (LAGED)  
بالشراكة مع



مركز البحث في تهيئة الإقليم (CRAT)

ينظمان مؤتمرا دوليا حول:

المياه، تغير المناخ، البيئة والاستدامة  
التحديات والآفاق  
13 و 14 أكتوبر 2025

اليوم العالمي للوقاية من الكوارث الطبيعية

برنامج المؤتمر





Democratic and Popular Republic of Algeria  
Ministry of Higher Education and Scientific Research  
University of Constantine 3 Salah BOUBNIDER  
Urban Technical Management Institute

Laboratory of Geo-prospective, Environment and Development (LAGED)



In partnership with:  
The Territory Planning Research Center (CRAT)

Organize an international seminar on:

## WATER, CLIMATE CHANGE, ENVIRONMENT AND SUSTAINABILITY CHALLENGES AND PROSPECTS

October 13 and 14 2025

# PROGRAMME



**Monday 13<sup>th</sup> October 2025**

Timing		Event
8:00	8:30	<p align="center"><b>Welcome and Registration of participants</b>  <b>Link: <a href="https://meet.google.com/mmy-nmvc-pir">:meet.google.com/mmy-nmvc-pir</a></b>  <b>Location: Bernslitane conference room (IGTU)</b></p>
8:30	9:00	<p align="center"><b>Opening ceremony and official speeches</b>  <b>Recitation of some verses from the Holy Quran</b>                      Speech by Mr. The Rector of the University Salah BOUBNIDER, Constantine 3 (or the RELEX)  <b>Prof Chaabane BEAITICHE</b>                      Speech by Mr. The Director of the IGTU  <b>Dr. Salim BRAGDI</b>                      Speech by Ms. The President of the Symposium  <b>Dr Latifa BOULAHIA</b></p>
<p align="center"><b>Moderators: Prof Hamza AMIRECHE, Prof Chaouki BENABBAS</b>  <b>Reporter: Dr Foudil KHALED</b></p>		
9:00	9:30	<p align="center"><b>1st Plenary</b>  <b>Prof Farès KESSASRA,</b>                      University of JIJEL  <b>"GROUNDWATER NITRATE POLLUTION : NUMERICAL MODELING AND VULNERABILITY IN THE NORTH-EAST PART OF ALGERIA"</b></p>
9:30	10:00	<p align="center"><b>2nd Plenary</b>  <b>Prof Sonia Dridi-DHAOUADI,</b>                      University of Monastir- IPEIM</p>



		<b>" REINVENTER LA TEINTURE TEXTILE FACE AUX DEFIS CLIMATIQUES ET HYDRIQUES : LA VOIE DU CO<sub>2</sub> SUPERCRITIQUE"</b>
<b>10:00</b>	<b>10:30</b>	<b>DEBATE AND COFFEE BREAK</b>
<b>Moderators: Prof Rokia BOUADAM, Prof Saliha ABDOU-OUTTAS Reporter: Dr Foued BOUZEHZEH</b>		
<b>10:30</b>	<b>11:00</b>	<b>3th Plenary Dr. Ismail DABANLI, Istanbul Technical University (Turkey) CLIMATE CHANGE IMPACTS EVALUATION OF UNESCO-LISTED CULTURAL HERITAGE IN TÜRKIYE</b>
<b>11:00</b>	<b>11:30</b>	<b>4th Plenary Djamal BENGUESMIA Engineer in water science &amp; environment, Algeria National Office for Rural Development Studies (BNEDER)</b>
<b>11:30</b>	<b>12:00</b>	<b>5th Plenary (en ligne) Prof Carlo Prével, PhD LERDUS (Laboratory for teaching, research and didactics of the social universe) MAPDATA Laboratory (Methodologies for Assisting the Decision-Making Process in Spatial Planning and Applications) UQAT, Canada</b>
<b>12:00</b>	<b>12:30</b>	<b>DEBATE</b>
<b>12:30</b>	<b>13:30</b>	<b>LUNCH</b>
<b>ORAL SESSIONS</b>		



**AXIS 1: EXTREME EVENTS AND CLIMATE CHANGE, IMPACTS AND ACTIONS**

**SESSION 1:**

**Moderator:** Dr Nabil CHARCHAR,

**Reporter 1:** Dr Halima ZAIDI

N°	Timing		Authors	Titles	Affiliation
01	13:30	13:40	<b>Sonia MAKHLOUFI 1, Roukia BOUADAM 2 ,</b>	RECYCLING INERT WASTE: A SUSTAINABLE STRATEGY TO PRESERVE NATURAL RESOURCES THE CASE OF INERT WASTE IN THE TOWN OF ALI MENDJELI	1 2 LAGED laboratory, IGTU, UC3 University, Algeria <a href="mailto:sonia.makhloufi@univ-constantine3.dz">sonia.makhloufi@univ-constantine3.dz</a>
02	13:40	13:50	<b>Aissa BENHAMMDA 1</b>	NATURAL HAZARDS ASSOCIATED WITH CLIMATE CHANGE CASE STUDY: FLOODS IN THE CITY OF TEBESSA (ALGERIA): BETWEEN PROACTIVE MEASURES AND IMPLEMENTATION EFFECTIVENESS	IGTU, Oum el bouaghi. Algeria <a href="mailto:benhammada.aissa@gmail.com">benhammada.aissa@gmail.com</a>
03	13:50	14:00	<b>Roubila CHAOUCHE TEYARA Rabia CHEROUANA Oumaima BENHAMMOU</b>	ALGERIAN URBAN TERRITORIES FACING THE CHALLENGE OF CLIMATE CHANGE	Centre for Research in Spatial Planning (CRAT)/ FSTGAT, Constantine 1 university <a href="mailto:roubila.chaouche.t@crat.dz">roubila.chaouche.t@crat.dz</a>
04	14:00	14:10	<b>Rabiaa DEBBACHE 1, Khaled Abed Alfettah GASSI 2</b>	ÉVALUATION DU RISQUE DE CRUE ET DE SA PREVISIBILITE : CAS DE LA COMMUNE DE FOUKA LE 25 MAI 2023	Constantine 1 university Direction Météorologique Région Est <a href="mailto:debbacherabiaa@yahoo.fr">debbacherabiaa@yahoo.fr</a>



05	14:10	14:20	Nadjet BOURAGBA 1, Mohamed KACIMI 2	STUDY OF LANDSLIDE MECHANISMS AT THE SITE OF 440 OPGI HOUSING UNITS IN DELLYS, BOUMERDÈS: IMPACT OF DROUGHT AND HUMIDITY VARIATIONS ON CLAYEY MARL.	Département de géologie, Université Sétif 1, Sétif. 2 Département des sciences Géologiques, FSTGAT, Université Constantine 1 <a href="mailto:bngeologie@gmail.com">bngeologie@gmail.com</a>	
14:20		14:30	<b>DEBATE</b>			
14H40		15H00	<b>COFFEE BREAK AND SESSION POSTER</b>			
<b>AXIS 2: IMPACT OF CLIMATE CHANGE ON THE ENVIRONMENT</b>						
<b>SESSION 1</b>						
<b>Moderator:</b> Dr. Oussama BELAHMADI						
<b>Reporter 1:</b> Dr. Hani BOUYAHMED- Abdelouahab FADEL						
N°	Timing		Authors	Titles	Affiliation	
01	13:30	13:40	Mohammed RABHI 1, Sidi Mohamed GHOMARI 1	SURFACE WATER EXTENT OF A NORTHWESTERN SALT LAKES IN ALGERIA AND EVALUATION FOR ITS SUITABILITY FOR ARTEMIA BRINE SHRIMP PRODUCTION OVER 2016-2025.	Abdelhamid Ibn Badis University, Mostaganem, Algeria. <a href="mailto:rabhi.mohammed.etu@univ-mosta.dz">rabhi.mohammed.etu@univ-mosta.dz</a>	
02	13:40	13:50	Mohamed DASSAMIOUR 1 Rédha BOUSTILA 2 Mahrez BOULABEIZ 3	ÉTUDE STATISTIQUE DE LA GÉOCHIMIE DU CADMIUM ASSOCIÉ AUX ; PHOSPHATES SÉDIMENTAIRES	LGE laboratory, Constantine 1 university/ University of Ferhat Abbas Sétif 1/3 University of Abbas Laghrour Khenchela, Algérie <a href="mailto:mohamed.dassamiour@umc.edu.dz">mohamed.dassamiour@umc.edu.dz</a>	



03	13:50	14:00	<b>Hafda ACHOURI, D,jamila DJAGHROURI Moussadek BENABBAS</b>	SYSTEMATIC LITERATURE REVIEW : OUTDOOR THERMAL COMFORT IN PUBLIC SPACES IN ALGERIA	LACOMOFA Laboratory, University of Mohamed Khider Biskra, Algeria <a href="mailto:hafidha.achouri@univ-biskra.dz">hafidha.achouri@univ-biskra.dz</a>
04	14:00	14:10	<b>MEDJITNA Wafa, Saidou Ali,</b>	POLLUTION MARINE DANS LA VILLE PORTUAIRE DE SKIKDA, MULTIPLES ALEAS ET ENJEUX.	université d'Alger2 Ecole normale supérieure, Bouzareah <a href="mailto:wafa.medjitna@univ-alger2.dz">wafa.medjitna@univ-alger2.dz</a>
05	14:10	14:20	<b>Laala Ahmed 1, Adimi Amina 2</b>	MODELLING THE POTENTIAL DISTRIBUTION OF A THREATENED ALGERIAN ENDEMIC SPECIES (CEDRUS ATLANTICA) UNDER DIFFERENT CLIMATE CHANGE SCENARIOS: IMPLICATIONS FOR CONSERVATION	1 Laboratory (LSNM), University Center, Mila 2 Department of Plant Biology and Ecology, University, Sétif <a href="mailto:a.laala@centre-univ-mila.dz">a.laala@centre-univ-mila.dz</a>
06	14:20	14:30	<b>Noura DJAMAA 1.2 Seyf Eddine MERZOUG 2.3 Chaima LABADLA</b>	L'ETUDE DE LA QUALITE PHYSICOCHIMIQUE ET BACTERIOLOGIQUES DES EAUX ISSUES (LIXIVIAT) AU NIVEAU DE CENTRE D'ENFOUISSEMENT TECHNIQUE MILA	Centre universitaire Abd El Hafid Boussouf Mila/Université 8 mai 1945 Guelma <a href="mailto:n.djamaa@centre-univ-mila.dz">n.djamaa@centre-univ-mila.dz</a>
14H30	14H40	<b>DEBATE</b>			
14H40	15H00	<b>COFFEE BREAK AND SESSION POSTER</b>			



## SESSION 2

**Moderator : Dr. Abdelhafid BOUGUESSA,  
Reporter 1: Mr.Toufik AMIRECHE**

01	15h00	15h10	<b>Malika LARGAT 1 Soumia DJOUBLIA2 &amp; Meriem BENLAHRECHE3</b>	URBAN VULNERABILITY TO CLIMATE CHANGE: STUDY OF FLOOD RISK IN THE NEW TOWN OF ALI MENDJELI	IGTU, Oum el bouaghi. University/ Labo LAUTES Constantine 3 University, Algeria <a href="mailto:soumia.djouablia@univ-constantine3.dz">soumia.djouablia@univ-constantine3.dz</a>
02	15h10	15h20	<b>Malika LARGAT 1 Meriem BENLAHRECHE 2 Soumia DJOUBLIA 3</b>	THE ENVIRONMENT IN THE FACE OF URBAN ACTIVITY	IGTU, Oum el bouaghi. University/ Labo LAUTES Constantine 3 University, Algeria <a href="mailto:meriem.benlahreche@univ-oeb.dz">meriem.benlahreche@univ-oeb.dz</a>
03	15h20	15h30	<b>Imen SOUKEHAL 1 Roukia BOUADAM 2 Halima ZAIDI3</b>	SNGID 2035 IN ALGERIA: A LEVER FOR CLIMATE CHANGE MITIGATION	LAGED laboratory, IGTU, Constantine 3 University, Algeria <a href="mailto:imen.soukehal@univ-constantine3.dz">imen.soukehal@univ-constantine3.dz</a>
04	15h30	15h40	<b>Sihem GHERFI 1 Souad HAOUARI 2</b>	THE IMPACT OF HOUSEHOLD WASTE ON THE ENVIRONMENT IN THE CITY OF CONSTANTINE	Urban Planning Laboratory. FSTGAT, University of Constantine1 <a href="mailto:gherfi.sihem@gmail.com">gherfi.sihem@gmail.com</a>
05	15h40	15h50	<b>Sandra BOUSSETTI 1</b>	TERRITORIAL STRATEGIES FOR SUSTAINABLE MANAGEMENT OF WATER RESOURCES IN THE FACE OF CLIMATE CHANGE IN SEMI-ARID ENVIRONMENT IN ALGERIA: THE CASE OF THE WILAYA OF CONSTANTINE.	IGTU, Oum el bouaghi. University, Algeria <a href="mailto:boussetti.sandra@yahoo.fr">boussetti.sandra@yahoo.fr</a>



06	15h50	16h00	<b>YOUNICI Karima 1, KHELLADI Anissa 2, MAHFOUD Nacera 3</b>	PLANETARY LIMITS AND THE CHALLENGES OF SUSTAINABLE DEVELOPMENT	Université Abderrahmane Mira de Bejaia. <a href="mailto:karima.benhattab@univ-usto.dz">karima.benhattab@univ-usto.dz</a>
07	16h00	16h10	<b>Foudil KHALED 1, Oualid MEDDOUR 2, 3 Amar AMIR Fatiha SAMAI,</b>	CHANGEMENTS CLIMATIQUES EN ALGÉRIE, COMPRENDRE LES ENJEUX ET GÉRER LES CONSÉQUENCES : ÉLÉMENTS DE RÉFLEXION	1LAGED/IGTU/UC3 2 LABTERDIR/IGTY/ UC 3 3 LAGED/IGTU/UC3 4 (GAT) Université Batna 2. <a href="mailto:foudil.khaled@univ-constantine3.dz">foudil.khaled@univ-constantine3.dz</a>
<b>DEBATE</b>					
<b>AXIS 3: HYDROLOGY, HYDROGEOLOGY AND WATER. CURRENT RESOURCE ISSUES AND CHALLENGES</b>					
<b>SESSION 1</b>					
<b>Moderator : Prof Fares KESSASRA , Prof Sonia DRIDI-DHAOUADI</b>					
<b>Reporters 1 : Dr. Omar REDJAL</b>					
N°	Timing		Authors	Titles	Affiliation
01	13:30	13:40	<b>M S O BELAHMADI, Ala ABDESSEMED, Nabil CHARCHAR, Abdelfettah GHERIB.</b>	EVALUATION DE LA CONTAMINATION DES EAUX MARINE DE LA BAIE DE SIKKDA (ALGÉRIE) PAR LES REJETS D'UNE RAFFINERIE PÉTROLIÈRE	Centre de recherche en biotechnologie (C.R.Bt), Constantine, Algérie. <a href="mailto:msobelahmadi@gmail.com">msobelahmadi@gmail.com</a>
02	13:40	13:50	<b>Zahra FERHI1 Abdelmalek BEKKOUCHE2</b>	TOWARDS SUSTAINABLE AND INTEGRATED WATER RESOURCES MANAGEMENT IN ALGERIA: CHALLENGES, OPPORTUNITIES AND FUTURE PATHWAYS	Abou Bekr Belkaid University, Tlemcen, Algeria. <a href="mailto:zahraafer@gmail.com">zahraafer@gmail.com</a>



03	13:50	14:00	<b>Yousra MANADI1, Ali BELMEZITI1, Bernard DE GOUVELLO2</b>	MANAGING INTERMITTENT WATER SUPPLY: HOUSEHOLD COPING STRATEGIES AND CO-PRODUCTION OF DRINKING WATER	1Laboratory O.V.A.M.U.S, University of Blida, Algeria/ 2Center for Studies and Expertise on Risks, Environment, Mobility, and Planning (Cerema), Territorial Directorate for Île-de-France, Trappes, France <a href="mailto:yousra20161997@gmail.com">yousra20161997@gmail.com</a>
04	14:00	14:10	<b>Manal DJEMA, Abdelmadjid DROUCHE</b>	MAPPING THE SENSITIVITY OF GROUNDWATER IN THE NADOR PLAIN TO NITRATE POLLUTION USING AN AHP-GIS APPROACH	Mouloud Mammeri university of Tizi Ouzou. <a href="mailto:manal.djema.hydro@gmail.com">manal.djema.hydro@gmail.com</a>
05	14:10	14:20	<b>Zohra ABDELKRIM1</b>	HYDROLOGICAL MODELING OF THE KÉBIR-RHUMEL BASIN USING GEOGRAPHIC INFORMATION SYSTEMS (GIS)	IGTU, University of M'sila <a href="mailto:zohra.abdelkrim@univ-msila.dz">zohra.abdelkrim@univ-msila.dz</a>
06	14:20	14:30	<b>Naama KACHA 1, Mahrez BOULABEIZ 2 Laiche AOUIDANE 2, Nesrin LAKHZOUM 3</b>	HYDROGEOCHEMICAL CHARACTERIZATION AND WATER RESOURCE CHALLENGES IN THE EL MAHMEL PLAIN AQUIFER, NORTHEASTERN ALGERIA	Abbes Laghrour University, Khenchela/, Laboratory of Functional Ecology and Environment, University Larbi Ben Mhidi of Oum El Bouaghi, Algeria. <a href="mailto:naama.kacha@univ-khenchela.dz">naama.kacha@univ-khenchela.dz</a>
14H30	14H40	<b>DEBATE</b>			
14H40	15H00	<b>COFFEE BREAK AND SESSION POSTER</b>			



<p align="center"><b>SESSION 2</b>  <b>Moderator:</b> Dr. Oualid MEDDOUR  <b>Reporter 1:</b> Dr. Souad BELHANACHI</p>				
01	15h00	15h10	<b>Zakarya MAOU(1), Ahmed BOUGHERARA(2), Yahiaoui HABIBI(3)</b>	LES ZIBAN: UN MILIEU RICHE ET VULNERABLE (POTENTIALITES ET CONTRAINTES)  1.2 LASTERNE Laboratory, Constantine 1 university/ 3 LRNAT Laboratory, Batna-2, Algeria <a href="mailto:zakiapc83@gmail.com">zakiapc83@gmail.com</a>
02	15h10	15h20	<b>Lotfi KEBAILI, 2 Lydia OGAL</b>	INTEGRATING AND REHABILITATING WATERWAYS IN URBAN ENVIRONMENTS: A STRATEGIC IMPERATIVE FOR A SUSTAINABLE CITY  Department of Geography and Regional Planning, University of Oum El Bouaghi, Algeria. <a href="mailto:lotfikebaili@gmail.com">lotfikebaili@gmail.com</a>
03	15h20	15h30	<b>Rayene LAMRI</b>	URBANIZATION AND THE WATER CYCLE  LAGED laboratory, IGTU, UC 3 University, Algeria <a href="mailto:rayene.lamri@univ-constantine3.dz">rayene.lamri@univ-constantine3.dz</a>
<b>DEBATE</b>				
<p><b>AXIS 4. DATA ACQUISITION, ARTIFICIAL INTELLIGENCE, REMOTE SENSING, ENVIRONMENTAL MONITORING AND GEOSPATIAL ANALYSIS</b></p> <p><b>SESSION 1</b>  <b>Moderators:</b> Dr. Aïssa BOULKAIBET  <b>Reporter 1:</b> Dr. Ahmed ALLIOUCHE</p>				
N°	Timing	Authors	Titles	Affiliation



01	13:30	13:40	<b>Hayet BOUZAR-YAGOUNI1, Rabah ALLEM2 Si Hamoud Samy BELKADI</b>	WHEN URBANIZATION THREATENS AGRICULTURAL LAND IN THE MITIDJA PLAIN	Houari Boumediene university (USTHB) STAT department. <a href="mailto:bouzarhayet@gmail.com">bouzarhayet@gmail.com</a>
02	13:40	13:50	<b>Hanane BOUTAGHANE 1 Chourouk BOUTTABA 2</b>	URBAN EXPANSION AND ITS IMPACT ON URBAN LAND USE THE CASE OF BORDJ BOUARRÉRIDJ, ALGERIA	IGTU, University of M'sila <a href="mailto:hananeboutaghane71@gmail.com">hananeboutaghane71@gmail.com</a>
03	13:50	14:00	<b>Fatiha NADIR 1 Ali BELMEZITI 1</b>	GIS AS AN ESSENTIAL TOOL FOR INTELLIGENT AND SUSTAINABLEMANAGEMENT OF URBAN WATER	Laboratory O.V.A.M.U.S, University of Blida, Algeria <a href="mailto:nadirfatiha1990@gmail.com">nadirfatiha1990@gmail.com</a>
04	14:00	14:10	<b>Imene SENADI1*, Ayoub ZEROUAL1, Hind MEDDI1</b>	PREDICTING LAND USE AND LAND COVER CHANGES IN THE MITIDJA PLAIN USING MACHINE LEARNING TECHNIQUES AND SENTINEL-2 IMAGERY.	1Higher National School for Hydraulics, Waterand Environmental Engineering Laboratory (GEE), Blida Algeria <a href="mailto:i.senadi@ensh.dz">i.senadi@ensh.dz</a>
05	14:10	14:20	<b>Amina MAZIGHI, Mohamed MEDDI<sup>1</sup>, Hind MEDDI<sup>1</sup>.</b>	ADVANCING INFILTRATION MODELING IN THE MITIDJA PLAIN: A COMPARATIVE STUDY OF TRANSFORMER-BASED, ANN, AND ELM MODELS	<sup>1</sup> Higher National School of Hydraulics of Blida, Algeria <a href="mailto:a.mazighi@ensh.dz">a.mazighi@ensh.dz</a>
06	14:20	14:30	<b>Zohra NEMILI 1 Houria BAAZI 2</b>	USE OF GEOGRAPHIC INFORMATION SYSTEMS AND SPATIAL ANALYSIS FOR GROUNDWATER QUALITY MAPPING: CASE OF THE KHENCHLA WILAYA, ALGERIA.	Laboratory (LRNAT), Faculty of Technology, Department of Hydraulic, University of Batna 2, Algeria. <a href="mailto:z.nemili@univ-batna2.dz">z.nemili@univ-batna2.dz</a>
14H30	14H40	<b>DEBATE</b>			
14H40	15H00	<b>COFFEE BREAK AND SESSION POSTER</b>			



**SESSION 2**

**Moderators:** Dr Ammar LAKHDAR

**Reporter 1:** Dr Radia KHELAF

01	15:00	15:10	<b>Omar REDJAL 1 Adel DAIKH 2 Djamel ALKMA 3</b>	DATA ACQUISITION AND ARTIFICIAL INTELLIGENCE (IA) FOR INTELLIGENT URBAN WASTE MANAGEMENT: THE EXAMPLE OF THE NEW CITY OF ALI MENDJELI (CONSTANTINE)	IGTU/ LAEEE & LAGED laboratories, UC3 University/ Guelma university <a href="mailto:omar.redjal@univ-constantine3.dz">omar.redjal@univ-constantine3.dz</a>
02	15:10	15:20	<b>Adel DAIKH 1, Omar REDJAL 2, Samira DEBACHE 3, Larbi MEDDOUR 4</b>	MONITORING THE AGGLOMERATION OF CONSTANTINE THROUGH REMOTE SENSING AND GEOSPATIAL ANALYSIS	1.3 LAGED Laboratory/ 2.AEEE Labortaory/4. Guelma university <a href="mailto:adel.daikh@univ-constantine3.dz">adel.daikh@univ-constantine3.dz</a>
03	15h20	15h30	<b>Radia BOUARROUDJ<sup>1</sup>, Imen BENDJMILA<sup>2</sup>, Kenza BOUARROUDJ<sup>3</sup></b>	L'IA ET L'APPRENTISSAGE AUTOMATIQUE DANS LA SCIENCE CLIMATIQUE	UC3 University, Faculty of Architecture and Urban Planning of Architecture / <sup>2</sup> UC3 University, Faculty of Architecture and Urban Planning of Architecture/ <sup>3</sup> University, Abdel Hamid Mehri Constantine 2 <a href="mailto:radia.bouarroudj@univ-constantine3.dz">radia.bouarroudj@univ-constantine3.dz</a>
04	15h30	15h40	<b>Faïcel TOUT 1, Nouh REBOUH 2, Haythem DINAR 3, Y acine BENZID 4</b>	ASSESSING THE ROLE OF ANNUAL RAINFALL MAPS IN MULTI-CRITERIA ANALYSIS FOR IDENTIFYING FLOOD-PRONE AREAS	Centre for Research in Spatial Planning (CRAT) <a href="mailto:tout.faïcel@gmail.com">tout.faïcel@gmail.com</a>



05	15h40	15h50	Latifa BOULAHIA1 Ahmed ALLIOUCHE2 Haithem BERGUELLAH3	MACHINE LEARNING APPROACH FOR SOIL EROSION MODELING BASED ON RUSLE IN SIKKDA WILAYA, NORTHEAST ALGERIA	1LAGED Laboratory 2CRAT cznter 3LAGED Laboratory
----	-------	-------	---	--	--

**DEBATE**

**AXIS 5 : DEVELOPMENT OF RENEWABLE ENERGIES (OR ENERGY TRANSITION)**

**SESSION 1**

**Moderator:** Dr Ismail DABANLI, Dr Fatima Zohra CHAFI

**Reporter 1:** Dr Sonia MAKHLOUFI

N°	Timing		Authors	Titles	Affiliation
01	13:30	13:40	Leila BENSMAN <sup>1</sup> , Noureddine YASSAA <sup>2</sup> , Meryem SABER. <sup>3</sup>	DES DECHETS VERS L'ENERGIE	Houari Boumediene university (USTHB), STAT department/ faculty of chemistry. (USTHB)/ 3 Center for the development of renewable energies, Algiers, Algeria <a href="mailto:lbensmain@yahoo.fr">lbensmain@yahoo.fr</a>
02	13:40	13:50	Younes SAHLI, Leila BOUCHAMA 2, Ouahiba BOUCHAMA 3	MODELING URBAN ENERGY TRANSITION: A SPATIAL AND SCENARIO- BASED APPROACH FOR HYDRA, ALGIERS	1 ZIANE ACHOUR University of Djelfa 2 Université USTHB- Alger 3 ENS Bouzareah .Alger <a href="mailto:l.bouchama@yahoo.fr">l.bouchama@yahoo.fr</a>



03	13:50	14:00	<b>Karima YOUNICI 1, Anissa KHELLADI 2, Nacera MAHFOUD 3</b>	HUBBERTS PEAK AND PLANETARY LIMITS: CHALLENGES FOR A SUSTAINABLE DEVELOPMENT MODEL	Université Abderrahmane Mira de Bejaia. younici <a href="mailto:karima.benhattab@univ-usto.dz">karima.benhattab@univ-usto.dz</a>
04	14:00	14:10	<b>Islam BOUKHELKHAL1, Rafik BOUDJADJA2, Imene BENSID3</b>	VALORISATION DU PATRIMOINE ARCHITECTURAL A TRAVERS LA MODELISATION DES STRATEGIES BIOCLIMATIQUES TRADITIONNELLES DANS LE SUD ALGERIEN	1 Département d'architecture, UC 3 University, Algérie. /2 Département d'architecture, Université Larbi Ben Mhidi, Oum El Bouaghi, Algérie. 3 IGTU, UC 3 University, Algérie. <a href="mailto:islam.boukhelkhal@univ-constantine3.dz">islam.boukhelkhal@univ-constantine3.dz</a>
05	14:10	14:20	<b>Aicha BENAZZOZ 1 Narjes BENANI2</b>	THE ROLE OF THE PRIVATE SECTOR IN THE ENERGY TRANSITION IN ALGERIA:MANAGEMENT OF LANDFILL CENTERS AND BIOGAS RECOVERY FROM WASTE	LAGED laboratory, IGTU, UC 3 University, Algeria <a href="mailto:aicha.benazzouz@univ-constantine3.dz">aicha.benazzouz@univ-constantine3.dz</a>
06	14:20	14:30	<b>Sara SAHNOUNE 1, Sarah BENSARKAT1, Ahmed Mohamed Salah CHERIET2</b>	SEASONAL VARIATIONS IN THE CORRELATIONS BETWEEN LAND SURFACE TEMPERATURE AND VEGETATION COVER IN CONSTANTINE, ALGERIA	ABE Laboratory/ IGTU, <sup>2</sup> UC3 University, , Algeria <a href="mailto:sara.sahnoune@univ-constantine3.dz">sara.sahnoune@univ-constantine3.dz</a>
07	14:30	14:40	<b>Sarah BENSARKAT 1 Rabeh Borhane Eddine BENAÏSSA 2</b>	ASSESSMENT OF THE ENERGY POTENTIAL OF AGRICULTURAL BIOMASS IN ALGERIA	ABE Laboratory/LAGED Laboratory, UC3, Constantine <a href="mailto:sarah.bensarkat@univ-constantine3.dz">sarah.bensarkat@univ-constantine3.dz</a>
14:40		14:50	<b>DEBATE</b>		
14H50		15H00	<b>COFFEE BREAK AND SESSION POSTER</b>		



## AXIS 6. URBAN HEAT ISLANDS: PROSPECTS, CHALLENGES AND POTENTIAL

### SESSION 1

**Moderator:** Dr Aicha DJEGHAR

**Reporter 1:** Dr Imen SOUKEHAL

N°	Timing		Authors	Titles	Affiliation
01	13:30	13:40	<b>Fouzia BOUCHERIBA</b>	RAPPORT ENTRE L'ÎLOT DE CHALEUR URBAIN ET LA GEOMETRIE URBAINE CONSTAT, INVESTIGATIONS ET RESULTATS	ABE Laboratory, Constantine 3 university <a href="mailto:fouzia.boucheriba@univ-constantine3.dz">fouzia.boucheriba@univ-constantine3.dz</a>
02	13:40	13:50	<b>Samira LOUAFI 1 , Anouar Khallil BELMILI 2</b>	ASSESSMENT OF THE INFLUENCE OF VARIOUS GREEN SPACE CONFIGURATIONS ON THE URBAN HEAT ISLAND AND URBAN CLIMATE IN A SEMI-ARID REGION: THE CASE OF AIN SMARA (ALGERIA)	ABE Laboratory/Department of Urban Technology and Environment, Constantine 3 university <a href="mailto:samira.louafi@univ-constantine3.dz">samira.louafi@univ-constantine3.dz</a>
03	13:50	14:00	<b>Darda BENCHEIKH a*, Lina CHAOUI b.</b>	PARKLETS AS URBAN COOL SPOTS: A TACTICAL URBANISM INTERVENTION TO MITIGATE URBAN HEAT ISLANDS.	Department of Architecture, University of Amar Telidji Laghouat/ETAP laboratory, Architecture and urbanism institute, University of Saad Dahleb, Blida, Algeria. <a href="mailto:d.bencheikh@lagh-univ.dz">d.bencheikh@lagh-univ.dz</a>
04	14:00	14:10	<b>Lamia MANSOURI<sup>1</sup>, Radia BOUARROUDJ<sup>2</sup>, Kenza BOUARROUDJ<sup>3</sup></b>	ÎLOTS DE CHALEUR URBAINS EN CLIMAT SEMI-ARIDE : CADRE THEORIQUE ET STRATEGIES D'ATTENUATION – CAS D'ETUDE CONCEPTUEL DE CONSTANTINE	<sup>1</sup> Alger 1 University, Department of Architecture/ UC3 University, Faculty of Architecture and Urban Planning of Architecture / <sup>3</sup> University, Abdel Hamid Mehri Constantine 2 <a href="mailto:radia.bouarroudj@univ-constantine3.dz">radia.bouarroudj@univ-constantine3.dz</a>



**DEBATE**

**COFFEE BREAK AND SESSION POSTER**

**SESSION ON LINE**

Link: [:meet.google.com/mmy-nmvc-pir](https://meet.google.com/mmy-nmvc-pir)

President: Dr Aicha BENAZOUZ

Reporter 1: Dr Rayene LAMRI

**AXIS 2 : IMPACT OF CLIMATE CHANGE ON THE ENVIRONMENT**

N°	Timing		Authors	Titles	Affiliation
01	13:30	13:40	Abderahim El Mehdi Bellaredj	THE EFFECTS OF CLIMATE CHANGE ON GROUNDWATER QUALITY IN SEMI-ARID ZONES-CASE STUDY FROM THE TAFRAOUI-TLELAT PLAIN OF ORAN (NORTHWESTERN ALGERIA).	Laboratory SNMASAZ, Institute of Sciences, University Center Salhi Ahmed of Naâma (Ctr Univ Naama), Algeria. <a href="mailto:bellaredj.a@cuniv-naama.dz">bellaredj.a@cuniv-naama.dz</a>

**AXIS 3: HYDROLOGY, HYDROGEOLOGY AND WATER. CURRENT RESOURCE ISSUES AND CHALLENGES**

02	13:40	13:50	Mouassa Souad 1 Benkeroura Souad 2 Zaagane Mansour 2	ÉVALUATION DE LA POLLUTION ORGANIQUE, MICROBIOLOGIQUE, DEGRE D'EUTROPHISATION ET RISQUE SANITAIRE DES EAUX DU BARRAGE DE CHEURFAS II (NORD -OUEST ALGERIEN)	Université de Mascara, Algerie, Laboratoire de Géomatique, Ecologie et Environnement <a href="mailto:souad.mouassa75@gmail.com">souad.mouassa75@gmail.com</a>
03	13:50	14:00	Souad Benkeroura 1 Souad Mouassa 2 Sabria Bekoussa 3	EVALUATION OF POLLUTION DEGREE BY NEMEROW INDEX AND HEALTH RISK FOR NITRATES AND PHOSPHATES IN CHEURFFAS II DAM WATERS.	Université de Mascara, Algerie, Laboratoire de Géomatique, Ecologie et Environnement <a href="mailto:benkerouras@gmail.com">benkerouras@gmail.com</a> .



**AXIS 4. DATA ACQUISITION, ARTIFICIAL INTELLIGENCE, REMOTE SENSING,  
ENVIRONMENTAL MONITORING AND GEOSPATIAL ANALYSIS**

04	14:00	14:10	<b>Serine BELHANI</b>	AI and Remote Sensing for Port Flood and Sea-Level Rise Risk Assessment	LAGED Laboratory, UC3/ University of Paris 8 <a href="mailto:Serinebelhani2@gmail.com">Serinebelhani2@gmail.com</a>
----	-------	-------	-----------------------	---	--

**AREA 7: SOCIO-ECONOMIC APPROACH AND BLUE ECONOMY**

05	14:10	14:20	<b>Taous KADDOUR 1, Nassima CHAHER-BAZIZI 1, Samir ZEGGANE 2 , Achour CHERGUI 3,</b>	VALORIZATION OF SARDINE DIGESTIVE PROTEASES FOR SUSTAINABLE AQUACULTURE IN ALGERIA	1, 2 SNVI, University of / 3 University of Bouira/ 4 Mouloud Mammeri University, Tizi-Ouzou <a href="mailto:taous.kad4@gmail.com">taous.kad4@gmail.com</a>
06	14:20	14:30	<b>Jihène KHALIFA</b>	ANALYZING THE ASYMMETRIC EFFECT OF RENEWABLE ENERGY CONSUMPTION ON ENVIRONMENTAL QUALITY IN TUNISIA : A NARDL APPROACH	Faculty of Economics and Management of Sousse, University of Sousse, Tunisia. <a href="mailto:jihenekhalifa.jk@gmail.com">jihenekhalifa.jk@gmail.com</a>

14H30

14H40

**DEBATE**

14H40

15H00

**COFFEE BREAK AND SESSION POSTER**



Tuesday 14<sup>th</sup> October 2025

Timing		
8 :30	09: 00	<p><b>1st Plenary</b>  <b>Mme Doria ADMAN</b>  <b>GIZ</b>  <b>USE OF GEOGRAPHIC INFORMATION SYSTEMS FOR URBAN CLIMATE RISK ASSESSMENT</b></p>
09: 00	10: 00	<p><b>2nd Plenary</b>  <b>Firas BENALI CHERIF</b>  <b>Company SIFAR Engenering</b>  <b>Workshop: “Application of geomatics in natural risk management”</b></p>
10: 00	10:30	<p><b>DEBATE</b>  <b>COFFEE BREAK</b></p>
10:30	12:00	<p><b>ROUND TABLE</b>  <b>Feedback/ Crossed perspectives</b>  Moderator: Pr. AMIRECHE Hamza, Prof Saifi MERDAS (CRAT)  Rapporteurs: Mohamed BOUAOUD  Location: Multimedia room</p> <p><b>Guests: - Prof Farès KESSASRA (University of Jijel), Prof Sonia Dridi-DHAOUADI and Prof Hatem DHAOUADI (University of Monastir- IPEIM ), Prof Saliha ABDOU-OUTTAS (University of Constantine 3), Dr. Ismail DABANLI (Istanbul Technical University, Turkey), Prof Carlo Prével, ( UQAT University), Mme Doria ADMAN (GIZ, Algérie), Mr Firas BENALI CHERIF (SIFAR Engineering) - Socio-economic sector, representatives of associations - Representative of the University - Speakers</b></p>
12:00	12:30	<p><b>Summary and closing of the conference</b>  Dr. Latifa BOULAHIA, President of the seminar</p>
12:30	13:30	<p><b>LUNCH</b></p>
<p><b>Visit of Constantine</b></p>		



## Session POSTERS

**Moderators : Dr Dounia KEDDARI, Dr Ahmed ALLIOUCHE**

**Reporters: Dr Med Ikbal FARAH, D Chaima TOUABA, Dr Sara KEBLOUTI (CRAT Team)**

N°	Nom & prénoms	Titles	Affiliations	E-mail
01	<b>Moussa DJERFAFA 1 Yasser AZIZI 1</b>	LES CHANGEMENTS CLIMATIQUES OBSERVES EN ALGERIE : ETUDE DES VARIATIONS TEMPERATURES	1 Laboratory of Materials Interaction and Environment (LIME), Faculty of Exact Sciences and Computer Science, University of Jijel,	<a href="mailto:djerafamousa23@gmail.com">djerafamousa23@gmail.com</a>
02	<b>Ahmed KHELOUFI ATTOU 1 Kamila BABA-HAMED 1 Abderrazak BOUANANI 1</b>	RELATIONSHIPS BETWEEN REGIONAL ATMOSPHERIC CIRCULATION AND EXTREME RAINFALL IN NORTHERN ALGERIA	Laboratory Promotion of Water, Mineral and Soil Resources. Environmental Legislation and Technological Choices, Tlemcen University , Algeria	<a href="mailto:ahmedgeoran2014@gmail.com">ahmedgeoran2014@gmail.com</a>
03	<b>Rayene DJABOURABI et al.</b>	SUSTAINABLE STRATEGIES FOR PROTECTING CHERRY ORCHARDS FROM SPRING WEATHER EXTREMES	Faculty of Natural and Life Sciences, Mohamed Cherif Messaadia University – Souk Ahras, Algeria	<a href="mailto:ra.djabourabi@univ-soukahras.dz">ra.djabourabi@univ-soukahras.dz</a>

AXE 1



	04	<b>Hocine BOUGRINE 1 , Salah HADJOUT 1 , Mohamed ZOUIDI 1 , Abdeldjalil BELKENDIL 1 , Amar MEBARKIA 2</b>	CARACTERISATION MORPHOLOGIQUE ET AGRONOMIQUE DE QUELQUES ACCESSIONS SPONTANEEES DE LA VESCE COMMUNE COLLECTEES A PARTIR DE LA PROVINCE DE SETIF ET SES REGIONS LIMITOPHES	Centre for Research in Spatial Planning (CRAT)	<a href="mailto:bougrinehocine77@gmail.com">bougrinehocine77@gmail.com</a>
AXE 2	05	<b>Mohamed ZOUIDI1, Salah HADJOUT1, Hocine BOUGRINE1, Abdeldjalil BELKENDIL1, Dounia KEDDARI1, Chaima TOUABA1</b>	IMPACT OF CLIMATE CHANGE AND DROUGHT ON LAND PRODUCTIVITY IN WESTERN ALGERIA: CURRENT STATUS AND SUSTAINABLE MANAGEMENT PERSPECTIVES	Centre for Research in Spatial Planning (CRAT)	<a href="mailto:mohamed.zouidi@crat.dz">mohamed.zouidi@crat.dz</a>
	06	<b>Chaimaa KHADIR 1, Yasmine HALFAOUI 2 mohamed mahmoud ELGHADY AMAR2</b>	EFFECTS OF CLIMATE CHANGE ON ECOSYSTEMS AND NATURAL HAZARDS IN THE SAÏDA REGION	Faculty of Sciences, University of Saïda/ Laboratory of Water Resources and Environment (RHE),	<a href="mailto:chaimaakhadir1998@gmail.com">chaimaakhadir1998@gmail.com</a>
	07	<b>Chaima TOUABA 1 , Mohamed ZOUIDI 2 , Mohamed Ikba FARAH 3</b>	IMPACT DE CHANGEMENT CLIMATIQUE SUR LA DIVERSITE DES ESPACES VERTS URBAIN – CAS VILLE DE CONSTANTINE -	Centre for Research in Spatial Planning (CRAT)	<a href="mailto:chaima.touaba@crat.dz">chaima.touaba@crat.dz</a>



08	<b>Abdelkader DILMI 1, Abdelfateh.BENMAKHLOUF 1</b>	EVALUATION OF THE FLOCCULATING EFFICIENCY OF MORINGA OLEIFERA AS A BIOFLOCCULANT FOR REDUCING WASTEWATER TURBIDITY	Université Mohamed El Bachir El Ibrahimi Bordj Bou Arréridj, Algérie.	<a href="mailto:abdelkader.dilmi@univ-bba.dz">abdelkader.dilmi@univ-bba.dz</a>
09	<b>Asmaa BEMMOUSSAT1 Amina BELLATRECHE2 Adel BEREZZOUG3 Yacine MAHDAD4</b>	SALINITY AND ITS EFFECTS ON WHEAT UNDER CLIMATE CHANGE: ENVIRONMENTAL AND GENETIC PERSPECTIVES	(SNV), Tlemcen University, Laboratory of Functional Agrosystems and Technology of Agronomic Sectors (AFTAGRO), Algeria.	<a href="mailto:bemmoussatassouma1997@gmail.com">bemmoussatassouma1997@gmail.com</a>
10	<b>Amel BOURAHLA Hadjer LAOUFI, Sihem ZIOUCHE</b>	IMPACT OF CLIMATE CHANGE ON AGRICULTURE IN THE SEMI-ARID REGIONS OF ALGERIA (1901-2020)	Department of Agronomic Sciences & LCVRN Laboratory, University of Bordj Bou Arreridj, Algeria	<a href="mailto:amel.bourahla@univ-bba.dz">amel.bourahla@univ-bba.dz</a>
11	<b>Sabrina BENDOUMA * , Mahmoud ZAIDI 2</b>	IMPACT OF THE MANUFACTURING OF BUILDING MATERIALS ON CLIMATE CHANGE AND GLOBAL WARMING ACCORDING TO ISO 14040-44 STANDARDS.	1* Badji Mokhtar University, earth sciences faculty, mining engineering department. 2 Applied Hydraulics and Environment Research Laboratory, University of Bejaia, Algeria.	<a href="mailto:sabrinabenmining@gmail.com">sabrinabenmining@gmail.com</a>



		<b>Dounia KEDDARI et al.</b>	ADVANCED ENSEMBLE LEARNING FOR HIGH-PRECISION WATER QUALITY MONITORING IN WADI SAF-SAF RIVER BASIN: A VOTING-BASED FRAMEWORK FOR INTELLIGENT PREDICTION	1 (CRAT), Constantine, Algérie/ 2Laboratory of Applied Mathematics and Modeling, University of Constantine 1/ 3Laboratory of Applied Animal Biology, University of Annaba / 4Faculty of Earth Sciences, Laboratory of Water Resources and Sustainable Development, University of Annaba/ 5CRSTRA), Biskra, Algeria	<a href="mailto:dounia.keddari@gmail.com">dounia.keddari@gmail.com</a>
AXE 3	12	<b>Salah Eddine MALLEM 1 Saliha ABBAS 2 Aissam GAAGAI 3</b>	THE DECLINE OF FOGGARAS IN THE SAHARA: CASE STUDY OF THE ADRAR REGION (SOUTHWESTERN ALGERIA)	1, 2, 3 Scientific and Technical Research Center on Arid Regions (C.R.S.T.R.A.) - Biskra, Algeria	<a href="mailto:salaheddine.ma.7@gmail.com">salaheddine.ma.7@gmail.com</a>
	13	<b>Roumaissa TADJINE 1 Azzedine GHACHI 2</b>	IDENTIFICATION TEMPORELLE DES DEFICITS EN EAU : CAS DE LA REGION DE GUELMA	IGTU, UC 3 University, Algeria	<a href="mailto:roumaissa.tadjine@univ-constantine3.dz">roumaissa.tadjine@univ-constantine3.dz</a>
	14	<b>Riad KOUADRA</b>	THE PHYSICO-CHEMICAL PROPERTIES OF WATER RESOURCES IN THE OUED DJENDJEN WATERSHED (W. JIJEL)	Department of Earth Sciences, University Center of Mila, Algeria.	<a href="mailto:kouadra.r@centre-univ-mila.dz">kouadra.r@centre-univ-mila.dz</a>
	15	<b>Nour EL Houda TOUBI 1 Nour el Houda MEZERREG 2 Selwa BOUBGUIRA 3</b>	PHYSICO-CHEMICAL QUALITY ASSESSMENT AND POLLUTION OF GROUNDWATER IN SEBKHA EL MAHMEL, KHENCHELA (NORTHEAST ALGERIA)	FSTGAT, Department of Geological Sciences, University of Constantine 1 3 ISTU, Department of Geology, University of Batna 2	<a href="mailto:nourelhouda.toubi@umc.edu.dz">nourelhouda.toubi@umc.edu.dz</a>



	16	<b>Ali LAKROUT1</b> <b>Boumediene MEDDAH2</b> <b>Salah Eddine ALI RAHMANI3</b>	HYDROCHEMICAL STUDY AND WATER QUALITY OF THE THERMAL SPRINGS OF BOUHANIFIA (MASCARA, WESTERN ALGERIA)	1.2Laboratory of Research on Biological Systems and Geomatics, University of Mascara, Mascara, Algeria 3Geo-environment Laboratory FSTGAT, USTHB, Bo 32 ,El Alia ,16111 ,Bab Ezzouar, Algiers,Algeria	<a href="mailto:alilakrou8@gmail.com">alilakrou8@gmail.com</a>
	17	<b>BENAOUDIA Lydia 1</b> <b>BARGAOUI Zoubeida2</b> <b>BEJAOUI Amel2</b> <b>AMMARI Abdelhadi1</b> <b>MEDDI Mohamed1</b>	SOIL WATER BALANCE MONITORING USING A MODIFIED VERSION  OF THE BBH-MODEL	1Environnement and water engineering laboratory (GEE) , National Higher School for Hydraulics Blida , Algeria 2Hydrological and environmental modeling laboratory, National School of Engineers, Univ. Tunis El Manar,	<a href="mailto:l.benaoudia@ensh.dz">l.benaoudia@ensh.dz</a>
AXE 4	18	<b>Saliha ABBAS1,</b> <b>Salah Eddine MALLEM1</b>	FLOOD SUSCEPTIBILITY MAPPING (A CASE STUDY OF BISKRA PROVINCE)	1Scientific and Technical Research Center for Arid Regions (CRSTRA). Biskra	<a href="mailto:sa.abbas@univ-batna2.dz">sa.abbas@univ-batna2.dz</a>
	19	<b>Zohra EL FARES</b>	MAPPING AND ANALYSIS OF SOIL SALINITY IN NORTHERN ALGERIA USING REMOTE SENSING: AN INNOVATIVE APPROACH WITH SENTINEL-2 IMAGERY	<b>En Ligne</b> Department of Rural Hydraulics, National Higher School of Agronomy, EL HARRACH, Algiers	<a href="mailto:zahraelfares94@gmail.com">zahraelfares94@gmail.com</a>



	20	<b>Abderrahmane MEBARKI 1 Tayeb SITAYEB 2, Yahia DJELLOULI 3</b>	ASSESSING THE IMPACT OF CLIMATE CHANGE ON DESERTIFICATION IN THE NAÂMA REGION (2010–2023): A GIS AND REMOTE SENSING APPROACH	<b>En ligne</b> <i>Faculty of Natural Science and Life, University of Saida</i>	<a href="mailto:fadi0161@gmail.com">fadi0161@gmail.com</a>
	21	<b>Yahia DJELLOULI 1, Abdelkrimr KEFIFA 2 Abderrahmane MEBARKI 3</b>	UTILISATION DES SCRIPTS DE GOOGLE EARTH ENGINE POUR LA CREATION D'UNE CARTE DE SENSIBILITE A L'EROSION DE LA CHENAIE VERTE D'EL HASASSNA, DANS LE CADRE D'UN PROGRAMME DE PLANIFICATION DE LA RESTAURATION.	<b>En ligne</b> <i>Faculty of Natural Science and Life, University of Saida</i>	<a href="mailto:djelloulyahia00@gmail.com">djelloulyahia00@gmail.com</a>
AXE 5	22	<b>Khadidja SENOUCI1, Fatiha DILMI2, 3, Amira CHENTOUF3.</b>	BIOLOGICAL TREATMENT OF WASTEWATER AND THE PRODUCTION OF HYDROGEN, BIOGAS, AND GREEN ELECTRICITY IN WASTEWATER TREATMENT	<b>En ligne</b> 1UQO- Gatineau- Quebec- Canada./ 2 University of Mostaganem/ 3University of Mascara, Algeria	<a href="mailto:khadidja.senouci@icloud.com">khadidja.senouci@icloud.com</a>
	23	<b>Abdelfateh BENMAKHOULF 1, Houseme eddine KARCE 1, Abdelkader DILMI 1</b>	USING DESIGN OF EXPERIMENTS (DOE) METHOD TO ENHANCE THE ADSORPTION OF CONGO RED ONTO ACTIVATED CARBON	Faculty of Science and Technology, Mohamed El-Bachir El-Ibrahimi University – Bordj Bou Arreridj	<a href="mailto:abdelfateh.benmakhlouf@univ-bba.dz">abdelfateh.benmakhlouf@univ-bba.dz</a>



	24	<b>Mohamed Elamine ABDESSELEM 1 Mohamed Salah MECIBAH 1</b>	TRANSITION TO GREEN HYDROGEN: EXPLORING HYDROGEN PRODUCTION USING SOLAR ENERGY WITHIN RENEWABLE ENERGY STRATEGIES FOR SUSTAINABLE DEVELOPMENT	1Laboratory of Mechanics, Mechanical Engineering Department, University of Constantine 1, Algeria	<a href="mailto:mohamedelamine.abdesselem@doc.umc.edu.dz">mohamedelamine.abdesselem@doc.umc.edu.dz</a>
	25	<b>Ouarda MANSOURI 1, Habiba TEBBANI 2</b>	PASSIVE STRATEGIES TO COUNTER THE URBAN HEAT ISLAND	1, 2 ABE laboratory, Constantine3 University.	<a href="mailto:ouarda.mansouri@univ-skikda.dz">ouarda.mansouri@univ-skikda.dz</a>
AXE 6	26	<b>Afef OUIS1, Sara SAHNOUNE2, Nassira BENHASSINE3</b>	INFLUENCE OF THE URBAN MORPHOLOGY ON THE URBAN HEAT ISLANDS: MICROCLIMATIC ANALYSIS OF THE PUBLIC SQUARES OF CONSTANTINE	Laboratoire ABE, Constantine 3 University, Algeria	<a href="mailto:afef.ouis@univ-constantine3.dz">afef.ouis@univ-constantine3.dz</a>
	27	<b>Zineddine OMAROUAYACHE1 Aissa BOULKAIBET2</b>	THE DYNAMICS OF THE URBAN HEAT ISLAND IN MILA CITY IN RESPONSE TO LAND USE CHANGES DURING THE PERIOD 2004–2024.	IGTU, Oum el bouaghi. University, Algeria	<a href="mailto:zineddineomar97@gmail.com">zineddineomar97@gmail.com</a>

