

الجمهورية الجزائرية الديمقراطية الشعبية  
People's Democratic Republic of Algeria

Ministry of Higher Education And Scientific Research  
University Abdelhamid Ibn Badis Mostaganem

وزارة التعليم العالي والبحث العلمي  
جامعة عبد الحميد بن باديس مستغانم

Improving the removal performance of acid dye from aqueous solution using modified halloysite  
Improving the removal performance of acid dye from aqueous solution using modified halloysite

Faculty of Sciences and Technology  
Process Engineering Department



تحت رعاية رئيس جامعة عبد الحميد بن باديس  
البروفيسور إبراهيم بودراح  
ينظم قسم هندسة الطرائق  
بكلية العلوم والتكنولوجيا

الملتقى الوطني حول  
البيئة والتنمية المستدامة  
الطبعة الثالثة

8 - 9 ديسمبر 2024

The 3<sup>rd</sup> National Environment  
& Sustainable Management  
Seminar

8 - 9 December 2024  
Mostaganem - Algeria



snegd24@univ-mosta.dz  
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**PROGRAMME DU 3<sup>ÈME</sup> SÉMINAIRE NATIONAL HYBRIDE  
ENVIRONNEMENT & GESTION DURABLE  
(3<sup>ÈME</sup> SNEGD'24)**

**3<sup>ÈME</sup> SNEGD PROGRAMME**

*Dimanche 08 Décembre 2024 / Lundi 09 Décembre 2024*

08h00 – 09h00	<b>Enregistrement / Registration</b>
09h00 – 09h30	<p><b>Le Coran/The Holy Quran Hymne national /National Anthem</b> <b>Allocutions/ Allocation</b></p> <p><b>Pr. BOUDRAH Brahim.</b> Recteur de l'Université de Mostaganem. <b>Pr. BAHRI Ahmed.</b> Recteur de l'Université de Relizane. <b>Pr. KADRI RIADH.</b> Directeur du Centre Universitaire de Maghnia. <b>Pr. GHEZZAR MOUFOK Redouane.</b> Doyen de la Faculté des sciences et de la Technologie. <b>Dr. ATTOUTI Salima.</b> Présidente du Séminaire.</p> <p><a href="https://meet.google.com/ysp-vxox-pfu">https://meet.google.com/ysp-vxox-pfu</a></p>
09h30 – 10h00	<p><b>Session plénière 1 / Plenary session 1</b> <b>Mr. BELHADJ Kacem</b> <i>President of the National Federation of Chemistry</i> <b>Circular Economy: Current Status and Perspectives</b></p> <p>Présidents de session / Chairs session : Pr.Djennad Mhamed, Pr. Bendraoua Abdelaziz &amp; Pr.Ghellamallah Madani</p> <p><a href="https://meet.google.com/ysp-vxox-pfu">https://meet.google.com/ysp-vxox-pfu</a></p>
10h00 – 10h30	<b>HOMMAGE</b>
10h30-11h15	<b>Session Poster 1/ Poster Session 1</b>
11h15-12h00	<b>Pause-café/ Coffee break</b>
12h-12h30	<p><b>Session plénière 2 / Plenary session 2</b> <b>Mr. MESSAOUDI Fouad</b> <i>QHSE Manager at TAYAL SPA</i> <b>Sustainability in the Textile Sector</b></p> <p>Présidents de session / Chairs session : Pr. Abdelmalek Fatiha, Pr. Hadjal Mohamed &amp; Pr AZIZ Zoubir</p> <p><a href="https://meet.google.com/ysp-vxox-pfu">https://meet.google.com/ysp-vxox-pfu</a></p>
12h30 – 13h00	<p><b>Session plénière 3 + Débat / Plenary session 3 + Debate</b> <b>Pr DEBAB</b> <i>Professor at USTO, University of Oran</i> <b>Wastewater treatment and reuse: Toward a circular economy and environmental sustainability</b></p> <p>Présidents de session / Chairs session : Pr. Bentouami Abdelhadi, Pr. Absar Belkacem, Pr. Chouaih Abdelkader</p> <p><a href="https://meet.google.com/ysp-vxox-pfu">https://meet.google.com/ysp-vxox-pfu</a></p>
13h00 – 14h30	<b>Déjeuner/ Lunch</b>
14h30 – 15h30	<b>Session Orale 1/ Oral Session 1</b>
15h30 – 16h30	<b>Session Poster 2/ Poster Session 2</b>
16h30 – 17h30	<b>Clôture de la phase présentielle &amp; Lecture des Recommandations/ Closing of the in-person session &amp; Reading of the Recommendations</b>



# PROGRAMME PRESENTIEL

## IN-PERSON SESSION





SNEGD '24  
Environnement  
Gestion durable  
08 - 09 Déc

# The 3rd National Environment & Sustainable Management Seminar

8 - 9 December 2024, Mostaganem - Algeria



UNIVERSITE  
Abdelhamid Ibn Badis  
MOSTAGANEM



# COMMUNICATIONS

# ORALES

# ORALS

# COMMUNICATIONS

***Dimanche 08 Décembre 2024 / Saturday 08 December 2024***

***Thème 1 : Changement climatique et énergies renouvelables***

***AMPHI4***

***Session Orale / Oral session 13h30- 14h30***

***Modérateur/ Moderator: Dr MELOUK Senia et Dr BOURAHLA Sara***

<b>14h30 - 14h40</b>	<b>CHAREF MUSTAPHA Abd el djabar</b> Green Energy Generated in Single-Chamber Microbial Fuel Cells.
<b>14h40 - 14h50</b>	<b>LEGHRIB Fouad</b> Preparing Today for the Challenges of Tomorrow: Anticipating and Shaping Sustainable Futures – A Scenario-Based Approach
<b>14 h50-15h00</b>	<b>Débat/ Debate</b>
<b>15h00 - 15h10</b>	<b>BOUDJELTIA Mohammed amin</b> Investigation of Structural, Electronic, and Thermoelectric Properties of the sp-Based Half-Heusler RbBaSi Compound
<b>15h10 - 15h20</b>	<b>ZIAT Sid Ahmed</b> Impact de réchauffement climatique sur la qualité et l'utilisation de l'eau de surface et de l'eau dessalée pour les usages industriels et agricoles, Wilaya MOSTAGANEM
<b>15h20 - 15h30</b>	<b>Débat/ Debate</b>

***Thème 2 : Traitement des effluents***

***AMPHI5***

***Session Orale / Oral session 14h30- 15h30***

***Modérateur/ Moderator : Dr Seghier Soraya et Dr DRIOUCH Aouatif***

<b>14h30 - 14h40</b>	<b>BAGHDAD-BENABED Fatma</b> Removal of the herbicide Parachlorophenoxyacetic acid by activated carbon prepared from pine cone.
<b>14h40 - 14h50</b>	<b>SALEH GAMAL Saleh Yaslam</b> Effect of Electrostatic Interactions and Screening on the Adsorption Mechanisms of Water-Soluble Anionic Dye from Simulated Effluent onto Carbon-Based Adsorbent
<b>14 h50-15h00</b>	<b>Débat/ Debate</b>
<b>15h00 - 15h10</b>	<b>DAOUI Salima</b> Photocatalytic degradation of Acid Green 25 dye in aqueous solution using green synthesized $\text{CaFe}_2\text{O}_4$ semiconductor nanoparticles under LED light irradiation
<b>15h10 - 15h20</b>	<b>ABBASSENE Fatiha</b> Lithiase Urinaire : Etude épidémiologique dans l'Ouest Algérien (2012-2024)
<b>15h20 - 15h30</b>	<b>Débat/ Debate</b>

<i>Thème 3 : Valorisation et recyclage des matériaux</i> <i>Salle de conférences</i>	
<i>Session Orale / Oral session 13h30- 14h30</i> <i>Modérateur/ Moderator : Pr. KEDDARI Soumia et Pr. MOKHTARI Meriem</i>	
<b>14h30 - 14h40</b>	<b>BENZELMAT Lamia</b> Photodegradation des retardateurs de flamme bromés contenu dans les DEEE
<b>14h40 - 14h50</b>	<b>ZERHOUNI Anissa</b> Etude paramétrique et cinétique de la biosorption du plomb sur le Lentisque
<b>14 h50-14h00</b>	<b>Débat/ Debate</b>
<b>14h00 - 14h10</b>	<b>YAHIAOUI Fatiha</b> Recyclage des pneus usagées
<b>14h10 - 14h20</b>	<b>TALEB Khadidja</b> Bioactive Films for Food Packaging Applications
<b>14h20 - 14h30</b>	<b>Débat/ Debate</b>
<i>Thème 5 : Matériaux inovants</i> <i>Salle B1</i>	
<i>Session Orale / Oral session 14h30- 15h30</i> <i>Modérateur/ Moderator : Dr BELAYACHI et Dr MEGROUS</i>	
<b>14h30 - 14h40</b>	<b>BELKAFOUF Nour El Houda</b> Étude computationnelle des propriétés photophysiques des nouveaux matériaux thiazoliques pour les cellules solaires organiques à hétérojonction
<b>14h40 - 14h50</b>	<b>HALLOUI Choulia Latifa</b> Adsorption d'un médicament sur une halloysite algérienne modifiée : Cinétique, thermodynamique et mécanisme.
<b>14h50 – 15h</b>	<b>Fekkar Nadia</b> Dynamics of water in fuel cells silica nanoporous SBA-15 probed by conductivity and NMR measurements
<b>15 h-15h10</b>	<b>Débat/ Debate</b>
<b>15h10 - 15h20</b>	<b>HAMMOU Kheira</b> Synthesis, SC-XR investigation, spectroscopy analysis, Hirshfeld surface analysis, transfer the charge studies and molecular docking of 3-N-(4-fluorophenyl)-2-N'-(4-fluorophenylimino)-thiazolidin-4-one)
<b>15h20 - 15h30</b>	<b>BENZELMAT lamia Ahlem</b> Dégradation photocatalytique de la rhodamine B et activité antibactérienne
<b>15h30 - 15h40</b>	<b>Débat/ Debate</b>



COMMUNICATIONS

POSTERS

POSTERS

COMMUNICATIONS

*Dimanche 08 Décembre 2024 / Lundi 09 Décembre 2024*

*Session Posters 1/ Postres session1 10h30-11h15*

*AXE 1 : Changement climatique et énergies renouvelables*

*Experts/ Experts*

*Dr. MOHAMED SEGHIR Zahira, Dr. HECHMAOUI Mohamed*

<b>T1P01</b>	<b>BENARBIA Djamila</b> Étude théorique pour la prédiction des performances des systèmes photovoltaïques en utilisant l'apprentissage automatique
<b>T1P02</b>	<b>BENCHIKH Soumia Mama</b> Next-Gen Thermoelectrics: The Role of Sustainable Double Perovskite Ba <sub>2</sub> ErReO <sub>6</sub> .
<b>T1P03</b>	<b>BENNACEUR Djihad</b> Simulating Soil Performance and Thermal Conductivity for Sustainable Geothermal Solutions.
<b>T1P04</b>	<b>BERGANE Cheikh</b> Characterization of meteorological drought: Case of the Mostaganem station.
<b>T1P05</b>	<b>KAROU Samira</b> Studying the Transfer of Water in Soil. Effect of texture and salinity
<b>T1P06</b>	<b>KHATAR Abdelhak</b> Electric thermal material: convert heat to electric power and vice versa.
<b>T1P07</b>	<b>MESSAOUDI Abdelkarim</b> Full-Heusler Alloys:Paving the way for Next Generation Semiconductor Technologies.
<b>T1P08</b>	<b>OUIKHLEF Abdelkader</b> Impact de la surexploitation de la nappe sur les ressources en eau souterraines du bassin versant d'oued Fekan (Macta, nord-ouest algérien).
<b>T1P09</b>	<b>RAIS Mohammed</b> Analysis of the Vulnerability of the Wadi Meffrouche Watershed (NorthWestern Algeria) to Climate Change Through Modeling.

*Dimanche 08 Décembre 2024 / Lundi 09 Décembre 2024*

*Session Posters 1/ Postres session1 10h30-11h15*

*AXE 2 : Traitement des effluents*

*Experts*

*Dr. BELHACHEM Fatima, Dr. BENDJLLOUL Meriam /&Dr. FEDAL Imene & Dr.DOUARA Nadia*

<b>T2P01</b>	<b>MECHRAOUI Nessrine</b> Etude du comportement de l'adsorption de quelques substances aquatique par un adsorbant local.
<b>T2P02</b>	<b>AZZABI BARA Oualiy Eddine</b> Assessment of Algerian leachates from landfill center: Hassi bounif case study.
<b>T2P03</b>	<b>BELLATRECHE Salima</b> Preparation of SAPO-34/TiO <sub>2</sub> composite for adsorption of dyes.
<b>T2P04</b>	<b>BENDJEBBOUR Ahmed</b> Mise au point de matériaux carbonés à porosité modulable pour l'élimination des polluants organiques émergents.
<b>T2P05</b>	<b>BERKOK Nadia</b> Removal of dye and pesticide by adsorption process using prune pits as eco-friendly material.



<b>T2P06</b>	<b>BETTAHAR Sonia Djazia</b> Using Modified Lignocellulosic Waste to Remove Methylene Blue from Aqueous Solutions.
<b>T2P07</b>	<b>DJEZIRI Soumia</b> Treatment of industrial effluents by adsorption.
<b>T2P08</b>	<b>ILES Amel</b> Elimination of pollutant using olives stones derived activated carbon@Fe <sub>3</sub> O <sub>4</sub> nanocomposites.
<b>T2P09</b>	<b>MEKKI Amel</b> Synthesis of new MNPs/zeolite@alginate composite beads: Effect of metal and reduction of effluent application.
<b>T2P10</b>	<b>ZENATI Rania</b> Nanocomposites de charbon actif pour le traitement des effluents hydrocarbonés.
<b>T2P11</b>	<b>CHINOUNE Kheira</b> Biocomposite materials based on alginate and fibrous clay for dye-polluted water treatment.
<b>T2P12</b>	<b>CHERRAK Rachida</b> Nano-TiO <sub>2</sub> layer /raw diatomite and modified by phosphoric acid based on a Solvothermal process.
<b>T2P13</b>	<b>OUALI Asmaa</b> Étude de l'adsorption d'un antibiotique à l'aide d'un charbon actif commercial en poudre
<b>T2P14</b>	<b>ZERIGUI fatima zohra</b> Elimination des polluants par diatomite brute
<b>T2P15</b>	<b>Larbi nour el houda</b> Analyzing the Efficacy of Thermo-Chemically Activated Sandstone in Removing Paracetamol from waste water
<b>T2P16</b>	<b>CHERRAK Rachida</b> Nano-TiO <sub>2</sub> layer /raw diatomite and modified by phosphoric acid based on a Solvothermal process.
<b>T2P17</b>	<b>BENTATA Omar</b> Numerical simulation by CFD of two-phase Hydrodynamics in a liquid-liquid extraction column
<b>T2P18</b>	<b>BENKHEJJA Houaria</b> Optimized elimination of hazardous disperse blue 35 Dye using cloud point extraction
<b>T2P19</b>	<b>BENHADDA Abir</b> Étude de l'adsorption de la Rhodamine B par un charbon actif à base de déchet végétal.

*Dimanche 08 Décembre 2024 / Lundi 09 Décembre 2024*

*Session Posters 1/ Postres session1 10h30-11h15*

*AXE 3 : Valorisation et recyclage des matériaux*

**Experts**

*Dr. MESSAOUDI Nadia & Dr. TERKHI Mohamed Cherif*

<b>T3P01</b>	<b>BELHADJ Nardjess</b> Analyse des Approches de Décontamination pour les Sols Contaminés par des effluents Organiques.
<b>T3P02</b>	<b>BENABDALLAH Bouchra</b> Circular Revolution: Harnessing Sheep Wool for Sustainable Waste Management and Green Economy.
<b>T3P03</b>	<b>BENYEKKOU Nabila</b> Valorisation des coquilles de noix pour l'élimination d'un colorant.
<b>T3P05</b>	<b>BELARBI Ilhem</b> Preparation d'un nouveau photocatalyseur a partir de la valorisation d'une argilr locale. Application a la photodegradation de la rhodamine-b.
<b>T3P06</b>	<b>MEZOUAGH Amina</b> Recycling of an industrial waste used for the disposal of organic compounds case of a fixed bed.
<b>T3P07</b>	<b>SEMMACHE Naouel</b> Biochar en agriculture à base des graines de figuier de barbarie, Transformation simple, caractérisation et valorisation.
<b>T3P08</b>	<b>BERREBIA Fatima</b> Recycling and recovery of waste polystyrene.
<b>T3P09</b>	<b>ABDELLI ISLAM Safia</b> Evaluation and Valorization of biogas generated by Mostaganem's Landfills.

*Dimanche 08 Décembre 2024 / Lundi 09 Décembre 2024*

*Session Posters 1/ Postres sessionI 10h30-11h15*

*AXE 4 : Biodiversité et santé*

**Experts**

*Dr. MEKIBES Zohra & Dr.. ZIANE Samira*

<b>T4P01</b>	<b>BELHADJI Kenza Amel</b> Toxicity of some pesticides and their biological dégradation by using micro-organisms.
<b>T4P02</b>	<b>BENABBOU Asmae</b> L'activité Antibacterienne Des Extraits De Remanuis Officinalis L.
<b>T4P03</b>	<b>BENDERDOUCH Mohammed Fethallah</b> Evaluation of Flavonoids, Polyphenols, Minimum Inhibitory Concentrations and Antibacterial Activity of Ethanollic Extracts of Algerian Oak Leaves.
<b>T4P04</b>	<b>LASAD Chiheb</b> L'activité Antibacterienne Des Extraits De Remanuis Officinalis L.
<b>T4P05</b>	<b>NEGGAZ Nour Elhouda</b> Preservation and biological rehabilitation of polluted soils.
<b>T4P05</b>	<b>TEDJARI Nassima</b> Study of the physico-chemical parameters

*Dimanche 08 Décembre 2024 / Lundi 09 Décembre 2024*

*Session Posters 1/ Posters sessionI 10h30-11h15*

*AXE 5 : Matériaux innovants*

**Experts**

*Dr. SAIDJ ,Dr. BOUKEBCHA Noureddine, Dr. MEKHATRIA Djilali*

<b>T5P01</b>	<b>AMIAR Soumia Abir</b> Synthesis and Characterization of Nanocomposites of a Functional Aromatic Monomer Intercalated in Sodium-Montmorillonite.
<b>T5P02</b>	<b>BAGHDAD Karima</b> Effectiveness of Faujasite Cellulose Composites for Water Decontamination and Bacteria Removal.
<b>T5P03</b>	<b>CHERAYET Fatima Zohra</b> Synthesis and characterization of zeolites A and X obtained from Algerian kaolin.
<b>T5P04</b>	<b>CHERGUI Fatma</b> Innovative Synthesis of Biomass-Derived Activated Carbons Immobilized in Alginate Gels for Efficient Catalytic Reduction of Azo Dyes.

<b>T5P05</b>	<b>CHIKR DJAOUTSI Zineb</b> Performance Analysis of Nano-composite Heat Exchangers Under Constant Heat Flux
<b>T5P06</b>	<b>FELLAH Fouzia</b> Etude des propriétés structurales, et reactivite d'un materiau inorganique, et leur applications a l'environnement.
<b>T5P07</b>	<b>GUERROUDJ Ahlam Roufieda</b> Structural and vibrational study of a new organic charge transfer compound.
<b>T5P08</b>	<b>LAHOUEL Nour El Houda</b> Sustainable Water Treatment: Advanced Biomaterials from Natural Waste for toxic Pollutant Elimination.
<b>T5P09</b>	<b>REZIG Walid</b> Diatomite nanocomposites' iron oxides and silica breakdown of textile dye through photocatalytic.
<b>T5P10</b>	<b>SEKKAL Kawter Nor El Houda</b> Sustainable material innovation using coffee extract for copper nanoparticle synthesis on mesoporous supports.

*Dimanche 08 Décembre 2024 / Lundi 09 Décembre 2024*

*Session Posters 2/ Posters session2 15h30- 16h30*

*AXE 2 : Traitement des effluents*

*Experts/ Experts*

*Dr. BENIDRIS.Batoul &,Dr BENZEKRI Mokhtar /Dr. BELHADJI Amel & Dr. SEGHIER Abdelkrim*

<b>T2P17</b>	<b>ATTOUTI Salima</b> Microporous activated carbon from KOH-activated pine cones for organic pollutant adsorption: Optimization and mechanism study.
<b>T2P18</b>	<b>Bendahman Rachida</b> Photocatalytic Performance of Nanoferrites Synthesized by Different Methods for the Degradation of Acid Green 25: An Experimental Design Approach.
<b>T2P19</b>	<b>Benalioua Bahia</b> Study of the effect of pH on the photocatalytic degradation of a pharmaceutical pollutant under visible light irradiation.
<b>T2P20</b>	<b>BENHAMDI Ghania</b> Reduction of Reactive Nitrogen Species and Its Effect on Dye Degradation in Gliding Arc Discharge.
<b>T2P21</b>	<b>BENZAIDI Orkia</b> Adsorption of methylene blue on activated carbon based on lignocellulosic biomass.
<b>T2P22</b>	<b>BOUSEMAT Hadjer</b> Piégeage d'un colorant textile à l'aide d'un matériau aluminosilicate : Etude de l'adsorption, la désorption et de la régénération.
<b>T2P23</b>	<b>CHERFI Maamar</b> Adsorption de bleu de méthylène par charbon actif commerciales imprégné par de nanoparticules métalliques.
<b>T2P24</b>	<b>DOUARA Nadia</b> Rhodamine B removal with activated carbon obtained from lignocellulosic waste.
<b>T2P25</b>	<b>El AKEB Kheira</b> Solar degradation of crystal violet by heterogenous photocatalysis.
<b>T2P26</b>	<b>KHALILI Khadidja</b> Study of anionic dye adsorption mechanism on activated carbon-nanoparticles.



<b>T2P27</b>	<b>MEDJDOUB Aicha</b> Etude d'adsorption du bleu de méthylène à l'aide d'un charbon modifier: approche cinétique, isotherme et thermodynamique.
<b>T2P28</b>	<b>MEKIBES Zohra</b> Effet de la surface d'un support carboné activé par un agent acide sur la fixation d'une molécule indésirable.
<b>T2P29</b>	<b>Mohamed Seghir Zahira</b> Catalytic dry reforming of methane.
<b>T2P30</b>	<b>Mohammed Cherif Terkhi</b> Removal of a toxic anionic organic compound using an adsorbent derived from the thermal treatment of a lower-cost plant waste: adsorption properties and recycling studies.
<b>T2P31</b>	<b>BOUABDALLAH Nabila</b> Adsorption et Photodégradation du Violet de Méthyle en Milieu Aqueux en Présence de Zn-TiO <sub>2</sub> .
<b>T2P32</b>	<b>SALAA Fahima</b> Adsorption Of An Cationic Micropollutant In Aqueous Solution By Kaolin: Equilibrium Modelling, Kinetic And Thermodynamic Exploration.
<b>T2P33</b>	<b>ZERIGUI Fatima Zohra</b> Elimination des polluants par daitomite brute.
<b>T2P34</b>	<b>ZIANE-HEZIL Samira</b> Sequestration of anionic dyes from textile industry wastewater using a carbonate material: Understanding the elimination mechanism.
<b>T2P35</b>	<b>SALAA Fahima</b> An Investigation of Natural And Modified Diatomite Performance For Adsorption of Methylene Blue: Isotherm, Kinetic, And Thermodynamic Studies.
<b>T2P36</b>	<b>CHINOUNE Kheira</b> Biocomposite materials based on alginate and fibrous clay for dye-polluted water treatment.
<b>T2P37</b>	<b>BENYAMINA Imane</b> Efficiency of semiconductor based on clay of Maghnia in photocatalytic removal of organic and inorganic pollutants under sunlight.
<b>T2P38</b>	<b>BENAYADA Mohamed Yacine</b> Application of a clay material in the photodegradation of a pharmaceutical pollutant under visible light irradiation.
<b>T2P39</b>	<b>BELKACEM Fatima Zohra</b> Elimination d'un fongicide par une organoargile.
<b>T2P40</b>	<b>BENHOURIA Assia</b> Calcium alginate-bentonite composite beads for the adsorption of methylene blue: experimental study.
<b>T2P41</b>	<b>BENKRIFA Fatima Zohra</b> Cobalt Nanoferrite as an Innovative Material: Enhancing Methodologies for the Removal of Organic Pollutants.

*Dimanche 08 Décembre 2024 / Lundi 09 Décembre  
2024*

*Session Posters 2/ Posters session2 15h30- 16h30*

*AXE 5 : Matériaux innovants*

*Experts/ Experts*

*Dr. BOUCHERDOUD Ahmed & Dr. TERMOUL Mourad*

<b>T5P11</b>	<b>BAHNES Kheira</b> A First – principles Calculations of Structural, Magnetic and Electronic Properties of the Quaternary Heusler Alloy CoFeTiSi.
<b>T5P12</b>	<b>BENOSMANE Sarra</b> Predicting of structural, electronic and magnetic characteristics of Ru based full Heusler
<b>T5P13</b>	<b>BOUBEGRA Naima</b> The molecular dipole moment of a non linear optical compound The 4,4 Di Methyl Amino Cyano Biphenyl (DMACB) : Theoretical and X-ray diffraction study
<b>T5P14</b>	<b>GUESMIA Aissa</b> First-principale calculations to inverstigate mechanical and Optoelectronic properties of predicted stable double Perovskites Ba <sub>2</sub> XSbO <sub>6</sub> (X=Sm, Ho, Y)
<b>T5P15</b>	<b>MAHREZ Nouria</b> Improving the removal performance of acid dye from aqueous solution using modified halloysite
<b>T5P16</b>	<b>MAITI Chaimaa</b> Synthesis and characterization of mesoporous nanoparticles and degradation by ozonolysis of sodium diclofenac.
<b>T5P17</b>	<b>MECHEHOUD Khedidja</b> Heusler Alloys: The Next Generation of Thermoelectric Materials for Efficient Energy Conversion.
<b>T5P18</b>	<b>RIGHI Aya</b> Simulation study of semiconductor half-Heusler YSiAu for photovoltaic applications.
<b>T5P19</b>	<b>BELKACEM Fatima zohra</b> Modification d'une argile de type 1-1: intercalation et caracterisation.
<b>T5P20</b>	<b>FARES Zineb</b> Interplay Between Structural, Electronic, and Magnetic Properties in the d0-d Semi-Heusler Compounds; the Case of the O-Based Compounds.
<b>T5P21</b>	<b>MELLOUK Senia</b> Optimisation dans les échangeurs de chaleur.
<b>T5P22</b>	<b>KESSAS Mohammed</b> First-principles study of ferromagnetic Half-metallic Electronic structural and elastic properties Electronic, structural and elastic properties Cs <sub>2</sub> CrGe.
<b>T5P23</b>	<b>MOSTEFAL Amina</b> Le greffage de PLA par un catalyseur naturel.
<b>T5P24</b>	<b>SAIDJ Merzouk</b> Étude théorique des propriétés photovoltaïques des nouveaux matériaux à base de thiophène.
<b>T5P25</b>	<b>KORICHI Hamiche</b> Study of the optoelectronic properties
<b>T5P26</b>	<b>ZEROUK Bekri</b> Matériaux interactifs pour la photodégradation des polluants



SNEGD '24  
Environnement  
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# The 3rd National Environment & Sustainable Management Seminar

8 - 9 December 2024, Mostaganem - Algeria



UNIVERSITE  
Abdelhamid Ibn Badis  
MOSTAGANEM



# PROGRAMME

# A

# DISTANCE

# ONLINE SESSION

*Lundi 09 Décembre 2024 / Monday 09 December 2024*

*Thème 1 : Changement climatique et énergies renouvelables*

<https://meet.google.com/jjv-unui-sxs>

*Session Orale 1/ Oral session1 09h00- 10h00*

<b>T1-01</b> 09h00 - 09h10	<b>BENALLAL Sara</b> Photocatalytic evolution of hydrogen on the brownmillerite Ca <sub>2</sub> Co <sub>2</sub> O <sub>5</sub> under visible light irradiation.
<b>T1-02</b> 09h10 - 09h20	<b>ATTIA Selma</b> Preparation of the spinel oxide CuFe <sub>0.4</sub> Mn <sub>1.6</sub> O <sub>4</sub> . Application to Hydrogen photo electrochemical Production.
<b>T1-03</b> 09 h20-09h30	<b>BACHIRI Badiia</b> Numerical Study of lead-free Perovskite solar cells Based CsSnI <sub>3</sub> with power conversion efficiency exceeding 23%.
<b>T1-04</b> 09h30 - 09h40	<b>DAHLI Khadidja</b> Optimizing Solar PV Panel Orientation across Diverse Latitudes and Longitudes using Sun Position Algorithm.s
<b>T1-05</b> 09h40 - 09h50	<b>Diaf BOUCHRA</b> Evaluation of wind energy potential in Ghardaia, Algeria.
<b>T1-06</b> 09h50 - 10h00	<b>KERRICHE Nawel</b> Renewable Energies and their Role in Achieving the Dimensions of Sustainable Development in Algeria by 2030.

*Session Orale 2/ Oral session1 10h00- 11h00*

<b>T1-07</b> 10h00 - 10h10	<b>RAIS HICHEM</b> Detecting the futur impact of climate change on Quercus ilex tree in ALEGRIA via te Max Ent model.
<b>T1-08</b> 10h10 - 10h20	<b>REDAOUI Samia</b> The characterization and utilization of nanostructured PbO prepared from spent lead acid battery positive plate (waste recycling).
<b>T1-09</b> 10h20 - 10h30	<b>GUERBOUZ Abdelsselem</b> Comparative analysis between Integral synergetic control and PI control applied to Dc-Link voltage regulator.
<b>T1-10</b> 10h30 - 10h40	<b>DRIS K</b> Development of a High-Efficiency Double Perovskite Solar Cell for Climate-Friendly Energy Solutions.

*Session Posters 1/ Posters session1 11h30- 12h30*

<b>T1PO1</b> 11h30 - 11h35	<b>ADDA Messaouda</b> Variability of essential oils from some wild plants in the Tiaret area.
<b>T1PO2</b> 11h35 - 11h40	<b>BELARBI Mousaab</b> Performance Enhancement of Lead Free Silver Bismuth Iodide ( Ag <sub>3</sub> BiI <sub>6</sub> ) Solar Cells: A SCAPS 1D Simulation Study.
<b>T1PO3</b> 11h40 - 11h45	<b>BENBRIKA Omar</b> Green Hydrogen production from Thermochemical cycle,exergy analysis.
<b>T1PO4</b> 11h45 - 11h50	<b>CHAIBI Amel</b> Kinetic, Thermodynamic, and Modeling Study of E129 Red Dye Adsorption on Eggshell-Derived Activated Carbon.





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<b>T1P05</b> <b>11h50 - 11h55</b>	<b>HADJ BENAMANE Amira</b> Etude de l'influence de la variabilité climatique sur le comportement de la végétation dans la région de Ouargla.
<b>T1P06</b> <b>11h55 - 12h00</b>	<b>IGUERCHA Amina</b> Study and Simulation of a Micro-Hydroelectric Power Plant Connected to the Grid.

*Lundi 09 Décembre 2024 / Monday 09 December 2024*

**Thème 2**

**Traitement des effluents**

<https://meet.google.com/rij-tutd-qbd>

**Session Orale 1/ Oral session1 09h00- 10h00**

<b>T1-1</b> <b>09h00 - 09h10</b>	<b>BENAOUDA Soumya Noria</b> Photocatalytic behavior of polyaniline/microcrystalline cellulose composite for degradation of anionic dye.
<b>T1-2</b> <b>09h10 - 10h20</b>	<b>BOUMEDIENE Maamar</b> Preparation and characterization of an agricultural waste (almond peels) as a biosorbent material for water treatment.
<b>T1-3</b> <b>09h20 - 09h30</b>	<b>DJABER Sabah</b> Study of the Effect of Porosity and Surface Chemistry of Activated Carbon on Adsorption Efficiency.
<b>09h30 - 09h40</b>	<b>Débat/Debate</b>
<b>T1-4</b> <b>09h40 - 09h50</b>	<b>LAISSOUF Ahlem</b> Valorization des sous produits d'olive récupérés de l'huilerie de la région d'Ouzidane Tlemcen (margine et grignon).
<b>T1-5</b> <b>09h50 - 10h00</b>	<b>ABBOU Imane</b> Optimization of telon orange dye adsorption by composite material using Box–Behnken design.
<b>T1-6</b> <b>10h10-10h20</b>	<b>DEHRAOUI Fatiha</b> Preparation, characterization and evaluation of the adsorption and antibacterial activity of a Chitosan/ Algerian diatomite biomaterial.
<b>T1-7</b> <b>10h20-10h30</b>	<b>KHELIFI Mohamed nadir</b> Enhancing CO <sub>2</sub> Absorption through Enzyme Catalysis: Simulation of Hollow Fiber Membrane Processes
<b>10h30-10h40</b>	<b>Débat/Debate</b>
<b>Session Posters 1/ Posters session1 11h30- 12h30</b>	
<b>T1PO1</b> <b>11h00 - 11h05</b>	<b>AICHE Faiza</b> Influence de l'état de saturation du sol sur la migration des HAP.
<b>T1PO2</b> <b>11h05 - 11h10</b>	<b>AOUES Amina</b> CTA/clay Composite membranes for selective lead (II) and cadmium (II) ions removal from wastewater.
<b>T1PO3</b> <b>11h10 - 11h15</b>	<b>BALI Aicha</b> Ammonium Manganese Phosphomolybdate: A Promising Catalyst for Photodegradation of Rhodamine B.
<b>T1PO4</b> <b>11h15 - 11h20</b>	<b>BENBOUDA Mouna</b> Fluorapatite: A Sustainable Solution for Water Treatment.
<b>T1PO5</b> <b>11h20 - 11h25</b>	<b>BENOUIS Chahinez</b> Elimination of turbidity by coagulation/flocculation method using a material from N-vinyl imidazole.
<b>T1PO6</b> <b>11h25 - 11h30</b>	<b>CHERIFI Fatima Zahra</b> Adsorption of Heavy Metal Ions with g-C <sub>3</sub> N <sub>4</sub> : Ultrasonic Assistance and Applications in Catalytic Photoreduction.

<b>T1PO7</b> <b>11h30 - 11h35</b>	<b>DAOUD Loubna</b> Comprehensive analysis of organic dye removal from industrial wastewater using Chitosan-based superabsorbent hydrogel as an effective bioadsorbent.
<b>T1PO8</b> <b>11h35 - 11h40.</b>	<b>DAOUI Imane</b> Photocatalytic Degradation Of Methyl Orange Dye From Aqueous Solution.
<b>T1PO9</b> <b>11h40 - 11h45</b>	<b>DEBBAH Karima</b> Elimination d'un antibiotique par un hydroxyde double lamellaire calciné.
<b>T1PO10</b> <b>11h45 - 11h50</b>	<b>MAMMERI Oussama</b> Synthèse et caractérisation de nanoparticules de n- BiOCl : Application à l'élimination du méthyle orange sous irradiation solaire.
<b>T1PO11</b> <b>11h50 - 11h55</b>	<b>MERICHE Asma</b> Traitement de l'eau polluée par le méthyle orange : application des procédés d'oxydations avancées sur CuO.
<b>T1PO12</b> <b>11h35 - 11h40</b>	<b>BOUMEDIENE Fatiha</b> Microporous material for effluent treatment.
<b>T1PO13</b> <b>11h40 - 11h45</b>	<b>BOUTALEB Smail</b> Dépollution des eaux par les matériaux mésoporeux.
<b>T1PO14</b> <b>11h45 - 11h50</b>	<b>Ben Bouabdallah Amina</b> Effective removal of solophenyl red 3BL dye from textile effluents using Oxalis pes-caprae L. based biosorbent
<b>T1PO15</b> <b>11h50 - 11h55</b>	<b>DRAI Ikram</b> Development of a Bio-Composite Material Based on Biopolymer and Biomass: Synthesis Process and Applications
<b>T1PO16</b> <b>11h55 - 12h00</b>	<b>TALHI Souad</b> <b>Using layered double hydroxides (LDHs) to remove color and organics from water</b>

**Thème 3 :**

**Valorisation et recyclage des matériaux**

<https://meet.google.com/byx-gvmc-ped>

**Session Orale / Oral session1 09h00- 10h00**

<b>T3-01</b> <b>09h00 - 09h10</b>	<b>AYAD Lounas</b> Turning waste into roadway constructions: using landfill materials for sustainable pavement and environment solutions.
<b>T3-02</b> <b>09h10 - 09h20</b>	<b>BENABDELLAH Charifa</b> Utilizing agro-waste groundnut shells as a sustainable material for construction.
<b>T3-03</b> <b>09 h20-09h30</b>	<b>EL BERRICHI Fatima Zohra</b> Optimisation par Plan d'Expérience de la Préparation des Membranes Céramiques pour le Traitement des Colorants Industriels Textiles : Étude.
<b>T3-04</b> <b>09h30 - 09h40</b>	<b>ROUIDI Sonia</b> La gestion des déchets pharmaceutiques appliquée par l'Entreprise de Traitement des Déchets Bourriche.
<b>T3-05</b> <b>09h40 - 09h50</b>	<b>SEGHIRI Malak</b> Valorisation des margines d'olives dans l'alimentation du poulet : impact sur performances de croissance et la qualité sensorielle de la viande.
<b>09h50 - 10h00</b>	<b>Débat/Debate</b>

**Session Poster / Poster session 10h00- 11h00**

<b>T3PO1</b> <b>10h00 - 10h05</b>	<b>BOULAKOUD Bilel</b> Behavior of concrete using steel fibre and sediments at ambient and high temperatures.
<b>T3PO2</b> <b>10h05 - 10h10</b>	<b>HAMMOUM Djamila</b> Etude de l'inhibition de la corrosion d'acier par le complexe de diethyldithiocabamate de sodium (Cd-NaDDTC).
<b>T3PO3</b> <b>10h10 -10h15</b>	<b>MENIAI Chourouk</b> Analyses des rejets de phosphate du complexe minier de Djebel Onk.
<b>T3PO4</b> <b>10h15 - 10h20</b>	<b>SADJI Amel</b> Faisabilité de l'utilisation de verre recyclé dans le ciment phospho-magnésien.
<b>T3PO5</b> <b>10h20 - 10h25</b>	<b>ZEROUAL Sabrina</b> Recovery and recycling of coffee grounds into activated carbon.
<b>T3PO6</b> <b>10h25 - 10h30</b>	<b>CHAHROUR Wassila</b> Valorisation du lactosérum rejeté par différents processus en produisant : La poudre de lactosérum
<b>10h30 - 10h40</b>	<b>Débat/Debate</b>



**Thème4 : Biodiversité  
et santé**

<https://meet.google.com/kub-wcvq-sff>

**Session Orale1 / Oral session 09h00- 10h00**

<b>T4-01</b> <b>09h00 - 09h10</b>	<b>LAIBI kaouther</b> Contribution à l'évaluation de la variabilité des ressources naturelles algériennes : cas des cerisiers dans la région de souk ahras(Nord-est Algérie).
<b>T4-02</b> <b>09h10 - 09h20</b>	<b>NAIB Laila</b> Approaches to the study of vegetation dynamics in the semi-arid region of Western Algeria..
<b>T4-03</b> <b>09 h20-09h30</b>	<b>GUILANE Asma</b> Molecular Profiling of Blastocystis sp. in Various Captive Animal Species from Zoos in Algeria.
<b>T4-04</b> <b>09h30 - 09h40</b>	<b>BENGHAFFOR Kheira Hiba</b> Impact des micro-organismes sur la régulation des pathogènes et la stabilité des écosystèmes : enjeux et stratégies de conservation.
<b>T4-05</b> <b>09h40 - 09h50</b>	<b>BENKHELIF Saousen</b> Identification of earthworms in souk ahras.
<b>T4-06</b> <b>09h50 - 10h00</b>	<b>BENZAID CHAHRAZED</b> Activite D'inhibition Du Biofilm Des Extraits De Feuilles De Trois Varietes D'inula Viscosa De L'est Algerien Contre une LevuresPathogene Isoleée Des Dispositifs Medicaux.

**Session Orale2 / Oral session 10h00- 11h00**

<b>T4-07</b> <b>10h00 - 10h10</b>	<b>BOUBLATA NOUR EL IMENE</b> Évaluation des Propriétés Insecticides et Biochimiques de l'Extrait de Feuilles de Hyoscyamus albus chezle Rat Wistar.
<b>T4-08</b> <b>10h10 - 10h20</b>	<b>BOUMAZA Khedidja</b> Etude du potentiel thérapeutique d'un exopolysaccharide produit par Bacillus sp.
<b>T4-09</b> <b>10h20 - 10h30</b>	<b>CHAALAL Houria</b> Utilizing nigella sativa essential oil in the fight against Sitophilus oryzae (L) and Sitophilus granarius (L)
<b>T4-10</b> <b>10h30 - 10h40</b>	<b>DJEMIL Hadjer</b> Altération hématologique provoquées par un insecticide synthétique chez les males lapins Cuniculus Lepus
<b>T4-11</b> <b>10h40 - 10h50</b>	<b>HABBACHI Sarra</b> Impacts des trois plantes insecticides sahariennes (Cleome arabica, Hyoscyamus albus, Euphorbia bupleuroides) sur le développement chez un organisme modèle : Drosophila melanogatser (Diptera ; Drosophilidae).
<b>T4-12</b> <b>10h50 - 11h00</b>	<b>HAFFAD Yamina</b> Ecologie et Distribution de Cyclamen Repandum var.Baborense (Batt.ex Debussche & QU) dans leDomaine Forestier de Guerrouche (Nord-Est Algerien).

**Session Poster / Poster session 11h30- 12h30**

<https://meet.google.com/kub-wcyq-sff>

<b>T4PO1</b> <b>11h30 - 11h35</b>	<b>OULD MOUMNA Aoumria</b> Intensification de l'extraction des polyphénols à partir des graines de nigella sativa.l par la méthode d'ultrasons.
<b>T4PO2</b> <b>11h35 - 11h40</b>	<b>BOUDEHANE Esmâ</b> Polyphénols et Amertume : Évaluation de la Relation entre la Concentration en Polyphénols et l'Indice d'Amertume dans les Huiles d'Olive.
<b>T4PO3</b> <b>11h40 - 11h45</b>	<b>MIMOUN Amira</b> Harnessing algae for sustainable development: advancements in biotechnology for environmental protection and health enhancement in Algeria.
<b>T4PO4</b> <b>11h45 - 11h50</b>	<b>MOSTEFAOUI Raouya</b> Gram-negative bacteria resistant to carbapenem and heavy metal spreading throughout the agro-ecosystem: implications for vegetable and fruit contamination.
<b>T4PO5</b> <b>11h50 - 11h55</b>	<b>AHMIDA Meryem</b> L'Huile de Cade : Un Adjuvant Potentiel pour le Diabète et les Maladies Neurodégénératives par des Voies Antioxydantes et Inhibitrices Enzymatiques.
<b>T4PO6</b> <b>11h55 - 12h00</b>	<b>AOUALI Naila</b> Emerging Tick-borne Pathogens in the Mediterranean Region: A Surveillance Report.
<b>T4PO7</b> <b>12h00 - 12h05</b>	<b>BADAoui Fatima Zohra</b> Anti-bacterial activity of pomegranate peel extract.
<b>T4PO8</b> <b>12h05 - 12h10</b>	<b>BENBELKHIR Fatma Zohra</b> Formulation de biopesticide à base d'actinobactérie et application dans le biocontrôle.
<b>T4PO9</b> <b>12h10 - 12h15</b>	<b>BENLARBI FATHIA</b> Biodiversité de la flore à la région de Laghouat: l'étude ethnobotanique sur les plantes médicinales à usage antiparasitaire chez homme et l'animal.
<b>T4PO10</b> <b>12h15 - 12h20</b>	<b>DAHMANI Chaima</b> Etude de la phyto-diversité de la région d'El Tarf (Nord Est Algérien)
<b>T4PO11</b> <b>12h20 - 12h25</b>	<b>BOUKSIBA Chahrazed</b> Inventory and diversity of macroinvertebrates in a ramsar site lake tonga) in the el tarf region - north east Algeria.
<b>T4PO12</b> <b>12h25 - 12h30</b>	<b>CHAREF Maysoune</b> Exploring Rhizobacteria for Potato Disease Suppression and Growth Promotion).

### Session Orale 3 / Oral session 3 14h00- 15h00

<https://meet.google.com/kub-wcyq-sff>

<b>T4-13</b> 14h00 - 14h10	<b>HAMDI Rayene</b> Diversité biologique des macroinvertébrés aquatiques au nord- est Algérien.
<b>T4-14</b> 14h10 - 14h20	<b>HAMIMED Rayene</b> Elucidation of the biosynthetic pathways of bioactive compounds in halophilic actinomycetes.
<b>T4-15</b> 14h20 - 14h30	<b>HANTOUR Razika</b> Ethnopharmacological study and biodiversity of medicinal plants used for the treatment of dermatological diseases in the wilayas of Saida, El Bayadh, and Mascara.
<b>T4-16</b> 14h30 - 14h40	<b>KADDOURI Ibtissem</b> Use of natural absorbent materials to remove textile dyes.
<b>T4-17</b> 14h40 - 14h50	<b>KHEMIRI Mounia</b> Étude Écologique de la Guifette Moustac ( <i>Chlidonias hybrida</i> ) au Lac Tonga: Caractéristiques de Reproduction ET Stratégies de Conservation.
<b>14h50 - 15h00</b>	<b>Débat/Debate</b>
<b>T4-18</b> 15h00-15h10	<b>ADJLANE Noureddine</b> Les possibilités de préservation de l'abeille mellifère locale ( <i>Apis mellifera sahariensis</i> ) dans le sud algérien (Projet MEDIBEES –PRIMA).
<b>T4-19</b> 15h10 - 15h20	<b>RAHMANI Rania</b> Conservateurs naturels d'origine végétale dans la fabrication du fromage.
<b>T4-20</b> 15h20 - 15h30	<b>SEKKAI Asmaa</b> Unveiling Hidden Threats: Identifying Digenean Parasites Infesting <i>Pagrus pagrus</i> Linnaeus, 1758, a Sparid Fish, along the Algerian Coast.
<b>T4-21</b> 15h30 - 15h40	<b>TABTI soumia</b> Analyse d'une plante locale et leur efficacité contre des souches bactériennes résistantes aux antibiotiques.
<b>15h40 - 15h50</b>	<b>Débat/Debate</b>

### Session Poster 2 / Poster session 14h00- 15h00

<https://meet.google.com/byx-gvmc-ped>

<b>T4PO13</b> 14h00 - 14h05	<b>DJABOURABI Rayene</b> Bees and Biodiversity: A Synergistic Approach to Boosting Cherry Production in Souk Ahras.
<b>T4PO14</b> 14h05 - 14h10	<b>DRIS Nabil</b> Optimization of the extraction of phenolic compounds, and Evaluation of the antioxidant activity of a medicinal plant.
<b>T4PO15</b> 14h10 - 14h15	<b>IAICHE ACHOUR Leila</b> Assessment of vegetable biodiversity in the Algerian environment and exploring its impact on the human health: a Ramadan survey.
<b>T4PO16</b> 14h15 - 14h20	<b>ZAIDI Ibtissem</b> Evaluation de l'activité anti-oxydante (ABTS, DPPH, CUPRAC) des huiles extraites à partir de la chair et des coproduits de poissons.
<b>T4PO17</b> 14h20 - 14h25	<b>KAZANE Imen</b> Aptacapteur pour la détection de la kanamycine dans le lait commercial.

<b>T4PO18</b> <b>14h25 - 14h30</b>	<b>KIFADJI Amani</b> In vitro evaluation of antifungal and antioxidant activities of two plant extracts.
<b>T4PO19</b> <b>14h30 - 14h35</b>	<b>LAHCENE Fatima</b> Enterobacteries group in Intestinal Microbiota of Celiac Children Presenting
<b>T4PO20</b> <b>14h35 - 14h40</b>	<b>LEZRAG Hayet Ahlem</b> Exploring the antioxidant activity of Rosmarinus officinalis Essential oil and its main volatile compound.
<b>T4PO21</b> <b>14h40 - 14h45</b>	<b>LOUADJ Aldjia</b> Évaluation du Statut Économique et Social du Chardonneret Éléphant en Algérie : Vers une Stratégie de Conservation Durable.
<b>T4PO22</b> <b>14h45 - 14h50</b>	<b>MISSOUM BENZIANE Somia</b> Identification of Genetic Markers Associated with Reproductive Traits in Algerian Sheep Breeds.
<b>T4 PO23</b> <b>14h50 - 14h55</b>	<b>OULAD NAOUI Brahim el Khalil</b> Optimization of Ozone Generation in Volume Dielectric Barrier Discharge (VDBD) Reactor through Voltage Waveform Modification.
<b>T4 PO 24</b> <b>14h55 - 15h00</b>	<b>SEGHIR Sbdelhadi</b> Étude du potentiel biologique des extraits sélectifs des feuilles de Moringa oleifera de la région sud ouest algérien.
<b>T4 PO 25</b> <b>14h55 - 15h00</b>	<b>SIMOUD Yasmine Lina</b> Optimization of the antioxidant activity of Red hawthorn fruit extracts through response surface methodology.



*Thème5 : Matériaux innovant*

<https://meet.google.com/kth-uyzc-ckx>

*Session Orale / Oral session 09h00- 10h00*

<b>T5-01</b> <b>09h00 - 09h10</b>	<b>CHEBAHI Asma</b> Advancing Sustainable Biopolymers Polyhydroxyalkanoate Production from Microbial Fermentations.
<b>T5-02</b> <b>09h10 - 09h20</b>	<b>BENDJILALI Fatiha</b> Effect of by-products on the behaviour of repair mortars.
<b>T5-03</b> <b>09 h20-09h30</b>	<b>DJIREB Imane Fatna</b> Etude de l'effet de volume de ciment sur les caractéristiques du béton caverneux.
<b>09h30 – 09h40</b>	<b>Débat/Debate</b>
<b>T5-04</b> <b>09h40 - 09h50</b>	<b>KHELIFI Elmabrouk</b> Advanced Optimization Techniques for Ozone Generators: Integrating Response Surface Modeling with Secretary Bird Optimization.
<b>T4-05</b> <b>09h50 – 10h00</b>	<b>MESSIS Meriem</b> Étude des propriétés hydro-physiques des blocs de terre comprimée renforcés avec de la paille de blé.
<b>T5-06</b> <b>10h00 - 10h10</b>	<b>TAKHI Kaouther</b> Utilisation et effets des fines calcaires et de l'argile calcinée dans le béton autoplaçant selon l'approche du mortier équivalent.
<b>10h10 - 10h20</b>	<b>Débat/Debate</b>

<b>Thème5 : Matériaux innovant</b> <b>Session Poster/ Poster session 11h30- 12h30</b> <a href="https://meet.google.com/kth-uyzc-ckx">https://meet.google.com/kth-uyzc-ckx</a>	
<b>T5PO1</b> <b>11h30 - 11h35</b>	<b>HARIZ Samah</b> Durability and Chloride Diffusion Characteristics of Bio-based Materials Incorporating Virgin Cork & Limestone.
<b>T5PO2</b> <b>11h35 - 11h40</b>	<b>BELKADI Abdelmoumene</b> Nouveaux matériaux phyllosilicate hybrides destinés à la santé et à la protection de l'environnement.
<b>T5PO3</b> <b>11h40 - 11h45</b>	<b>BOUTIKAR Khadidja</b> Incorporation study of waste polyethylene terephthalate with casein for plastic food packaging.
<b>T5PO4</b> <b>11h45 - 11h50</b>	<b>DIB Nihel</b> Élimination du rouge trisacryl à l'aide d'hydrogels composites à base de chitosane.
<b>T5PO5</b> <b>11h50 - 11h55</b>	<b>DJAFAR Rabah</b> Development of nanocrystalline CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> (CCTO) ceramics fabricated from Algerian limestone raw material.
<b>T5PO6</b> <b>11h55 - 12h00</b>	<b>FARTAS Hayet</b> Studies on structural optical and morphology properties of sol gel Al Doped ZnO thin films.
<b>T5PO7</b> <b>11h55 - 12h00</b>	<b>GHAITAOUI Ahmed</b> Innovative DBD-Based Multi-Tube Ozone Generator for wastewater treatment.
<b>T5PO8</b> <b>11h55 - 12h00</b>	<b>SAADA Khalissa</b> Palm fiber composites as innovative, sustainable materials for mechanical applications.
<b>12h00 - 12h30</b>	<b>Débat/Debate</b>