



People's Democratic Republic of Algeria  
University of M'sila  
Faculty of Sciences, Department of Chemistry  
Laboratory of Organo-Therapeutic Substances and Sustainable Processes (OTSSPL)



1st International Hybrid Seminar: Green Chemistry and Artificial  
Intelligence: Towards Molecular Design

# Certificate of participation

This is to certify that  
**HAMRIT SAMIR**

N°: T3 PP 311/GCAITMD/2025

Has presented a **Poster** communication entitled:

**"RF-Magnetron Sputtered Vanadium-Doped ZnO Thin Films Derived from Sol-Gel Nanopowder Targets on Flexible PEN Substrates"**

**Co-authors:** Abdelhafid MAHROUG, Hanane CHENAGUE and, Sara SADEDDINE

During the **1st International Hybrid Seminar: "Green Chemistry and Artificial Intelligence: Towards Molecular Design"**, held on **October 21st–22nd, 2025**, at the University of M'sila, Algeria.

Chairman of the seminar



Dr. BOULEGHLEM Hocine

Dean of the Faculty of Sciences

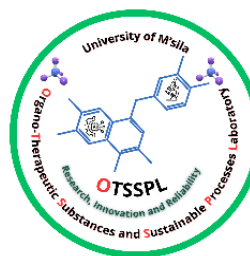




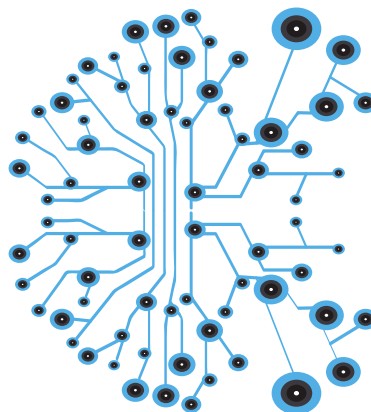
University Mohamed Boudiaf of M'sila - Algeria  
Laboratory of Organo-Therapeutic Substances and Sustainable Processes (OTSSPL)  
Organize



**1<sup>st</sup> International Hybrid Seminar:**  
**Green Chemistry and Artificial Intelligence: Towards Molecular Design**  
**21<sup>st</sup>-22<sup>nd</sup> October 2025**  
**(GCAITMD ' 25 M'sila- Algeria)**



# SEMINAR PROGRAM

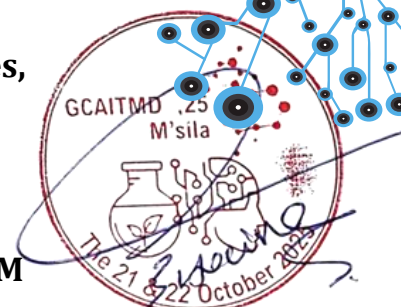
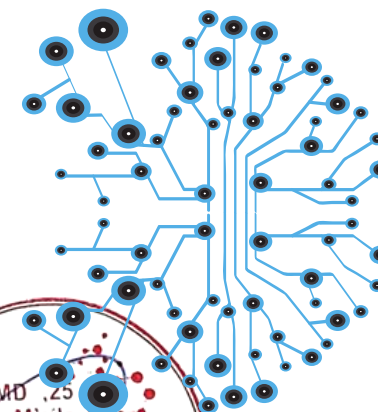


## Honorary Chairs

Pr. Amar BOUDELLA  
Rector  
UMB-M'sila

Pr. Rabah BOUNAR  
Dean of the Faculty of Sciences,  
UMB-M'sila

Seminar Chair  
Dr. Hocine BOULEGHLEM



**Dr. BOULEGHLEM Hocine**



|                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Conference room "Ibn El Haithem university center"</b><br><b>Tuesday, October 21<sup>st</sup>, 2025</b> |                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>07H30–08H30</b>                                                                                         | <b>Registrations "Guest reception and check-in"</b><br><b>Opening Ceremony</b>                                                                                                                                                                                                                                                                                                                                               |
| <b>08H30–09H30</b>                                                                                         | <b>Seminar Chair: Dr. Hocine BOULEGHLEM</b><br><b>Dean of the Faculty: Prof. Rabah BOUNAR</b><br><b>Speech by the Rector : Prof. Amar BOUDELLA</b>                                                                                                                                                                                                                                                                           |
| <b>Opening Conferences</b>                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>09H30–09H50</b>                                                                                         | <b>Plenary Conference 01</b><br><b>Prof. Mokhtar DJEHICHE</b><br><b>Applications de l'énergie solaire thermique à la dépollution de l'eau et des sols</b><br><b>President : Prof. Nadja LATELLI</b><br><b>Member : Prof. Abdelbaki REFFAS</b><br><b>Dr. Kamel Noufel</b>                                                                                                                                                     |
| <b>09H50–10H10</b>                                                                                         | <b>Plenary Conference 02</b><br><b>Prof. Nour-Eddine AOUF</b> <b>Bio-Organic Chemistry Group, Faculty of Sciences (LCOA), University of Annaba, Algeria</b><br><b>Title : Ecocatalysis and Asymmetric Organocatalysis, a New Vision of Green and Sustainable Chemistry</b><br><b>President : Prof. Houcine SAADI</b><br><b>Member : Dr. Hocine BOULEGHLEM</b><br><b>Dr . Abdelhakim KHENICHE</b>                             |
| <b>10H10–10H30</b>                                                                                         | <b>Plenary Conference 03</b><br><b>Prof. Wissem HAMDI</b> <b>Higher Institute of Water Sciences and Techniques, University of Gabes, 6072 Zrig, Gabes, Tunisia</b><br><b>Chimie verte et intelligence artificielle pour les agrosystèmes durables: une synergie innovante pour optimiser l'association</b><br><b>culturelle blé-légumineuse</b><br><b>President : Prof. Elhadi DEBIH</b><br><b>Member : Dr. Smail TERCHI</b> |



Conference room "Ibn El Haithem university center"

Coffee break 45min

Posters Session 1

10H45–11H30

Animators:

Presidente : Dr. Salima ZIDANE

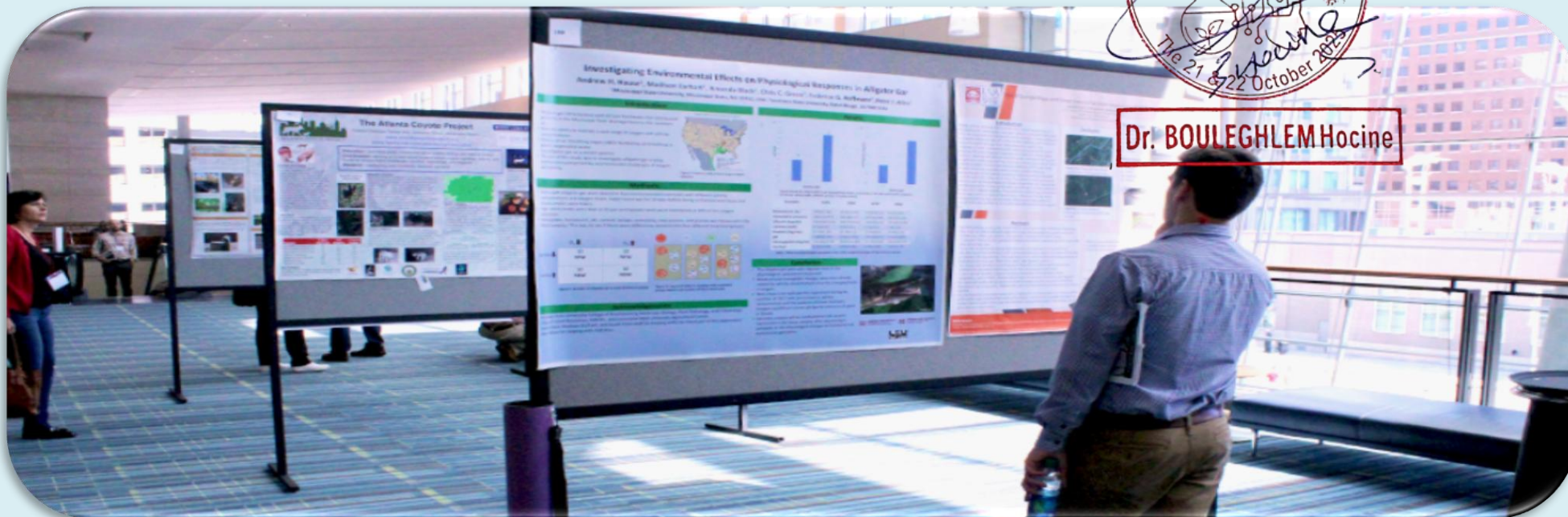
Member : Dr. Mohamed Lamine FREIDJA and Prof. Sabah FETAH (Topic 1)

Dr. Naouel MAKOUF and Dr. Sara BAKRI (Topic 2 and 3)

Dr. Saber SAAD ESSAOUD and Dr. Walid DILMI (Topics 4 and 5)

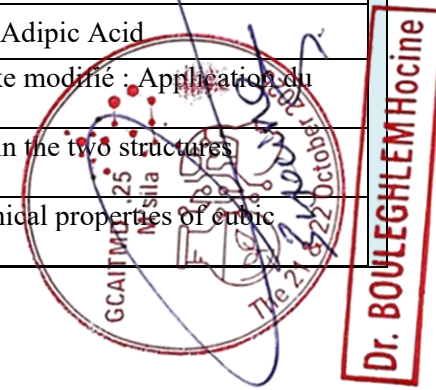


Dr. BOULEGHLEM Hocine

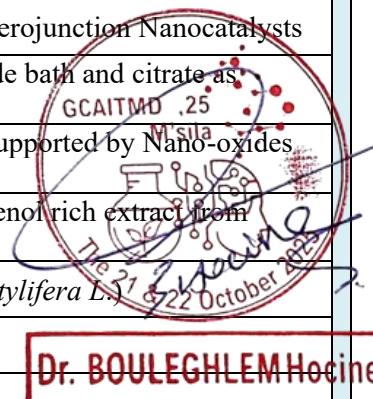


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|----------|-----------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Poster 1 | T1 PP 198 | KAABI Ilhem      | Molecular Docking Insights into the Dual Antioxidant and Enzyme-Inhibitory Potential of Azomethine SB                                                       |
| Poster 2 | T1 PP 257 | Chahrazed ESSEID | Etude phytochimique de l'extrait chloroforme d'une plante endémique saharienne du genre Pituranthos                                                         |
| Poster 3 | T1 PP 305 | Ahlem HACHELEF   | Phytochemical analysis of Ranunculus arvensis L extracts                                                                                                    |
| Poster 4 | T1 PP 303 | Hanane ZOUAOU    | Développement et caractérisation avancée de membranes composites à base de polyalcool vinylique modifié pour applications énergétiques et environnementales |

|                  |                   |                        |                                                                                                                                                                     |
|------------------|-------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Poster 5</b>  | T4 PP 90          | FREIDJA Mohamed Lamine | In vitro Antioxidant and Antimicrobial Activity of Teucrium polium L. Extracts and Pistacia lentiscus L. Seeds' Oil                                                 |
| <b>Poster 6</b>  | T1 PP 294         | Faiza MERITATE         | Phytochemical characterization of Eryngium pusillum Extracts                                                                                                        |
| <b>Poster 7</b>  | T5 PP 270         | HARRAR Abdenassar      | Integrating AI for Metabolite Identification from Mass Spectrometry Data: Challenges in Preprocessing and Neural Network Training                                   |
| <b>Poster 8</b>  | T5 PP 22          | LATELLI Nadjia         | Free Radical Scavenging Efficiency of Isatin Schiff Bases(O-H versus N-H). A DFT Study                                                                              |
| <b>Poster 9</b>  | <b>T1 PP 60</b>   | FELLAHI Zineb          | Synthesis, crystallographic study and molecular modeling of the compound edta chloride monohydrate                                                                  |
| <b>Poster 10</b> | <b>T3 PP 295</b>  | Soumia BENLECHHEB      | Structural, optical and electronic properties of Cd <sub>0.25</sub> Zn <sub>0.75</sub> S semiconductor for energy and environmental applications                    |
| <b>Poster 11</b> | <b>T1 PP 278</b>  | CHADI Sara             | Activité antioxydante, anti-inflammatoire et antibactérienne d'Anthemis pedunculata                                                                                 |
| <b>Poster 12</b> | <b>T2 PP 31</b>   | SAIDAT Fatma           | Calorimétrie, résistance et microstructure d'un liant active a base de metakaolin                                                                                   |
| <b>Poster 13</b> | <b>T1 PP 203</b>  | TAHARCHAOUCE Djamel    | Evaluation of the Hydrolytic Degradation of Triphenylmethane Dyes Using DFT and TD-DFT Methods                                                                      |
| <b>Poster 14</b> | <b>T1 PP 292</b>  | Faiza MERITATE         | Assessment of Biological Activities of Medicinal Plant                                                                                                              |
| <b>Poster 15</b> | <b>T3 PP 50</b>   | HENINI Ghania          | Evaluation of the biosorption kinetics and thermodynamics for the removal of textile dye from aqueous solutions using calcined opuntia ficus indica                 |
| <b>Poster 16</b> | <b>T3 PP 181</b>  | SIASSI Abderrahim      | Investigating the structural and optical properties of manganese oxide nanoparticles synthesized via the sol-gel method                                             |
| <b>Poster 17</b> | <b>T3 PP 131</b>  | BEN KOUIDER Tayeb      | Enhanced Methylene Blue Adsorption from Water Using Fe <sub>2</sub> O <sub>3</sub> -Decorated Kaolinite                                                             |
| <b>Poster 18</b> | <b>T3 PP 2</b>    | OUADAH Mustapha        | Amélioration de l'ultrafiltration des margines par couplage aux ultrasons « la sono-ultrafiltration                                                                 |
| <b>Poster 19</b> | <b>T3 PP 251</b>  | TEBERMACINE Ouarda     | Physical and chemical properties of nanomaterial spinel oxide doped with magnesium.                                                                                 |
| <b>Poster 20</b> | <b>T3 P P 230</b> | MECHEHOUD Naima        | Comparative Analysis of the Physicochemical and Morpho-Structural Characteristics of a Nanomaterial Synthesized by Sol-Gel, Precipitation, and Hydrothermal Methods |
| <b>Poster 21</b> | <b>T3 PP 271</b>  | GHERBI Khouloud        | A DFT study of the 2D nanomaterial -hydrogenated silicene                                                                                                           |
| <b>Poster 22</b> | <b>T3 PP 108</b>  | MAHI Ahmed             | Etude de la Fixation Du Ni <sup>2+</sup> et Cr <sup>3+</sup> par la Resine Acide Para-Aminobenzoïque-Formol                                                         |
| <b>Poster 23</b> | <b>T3 PP 84</b>   | AMITOUCE Dahbia        | Iron-Vanadyl based Keggin Polyoxometallates for clean synthesis of Adipic Acid                                                                                      |
| <b>Poster 24</b> | <b>T3 PP 273</b>  | BENDEBANE Hawa         | Dégradation avancée du bleu de méthylène par un procédé Fenton-like modifié : Application du plan Box-Behnken                                                       |
| <b>Poster 25</b> | <b>T5 PP171</b>   | MOKHTARI Djihad        | First principle study on Half metallic properties of MnSb compound in the two structures hexagonal and zinc-blende, by employing Ab initio calculations             |
| <b>Poster 26</b> | <b>T3 P P 281</b> | REFICE Lamouri         | Investigation of structural, mechanical, electronic, optical, and dynamical properties of cubic MgLiF <sub>3</sub> , MgLiH                                          |



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|-----------|-----------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Poster 27 | T3 PP 21  | HAMZA Laila               | Magnesium Oxide Nanoparticles Synthesized Using Olive Leaf Extract for Environmental Remediation                                                   |
| Poster 28 | T3 PP 297 | Mustapha BOUBATRA         | Enhanced Visible Eriochrome Black T Degradation using ZnS/TiO <sub>2</sub> Heterojunction Nanocatalysts                                            |
| Poster 29 | T3 PP 142 | ASSELI Rabah              | Electrolytic synthesis and characterization of Ni-W alloys from a chloride bath and citrate as complexant.                                         |
| Poster 30 | T3 PP 137 | Djaber SABAH              | Removal of Dye Pollutants from Wastewater Using Activated Carbon Supported by Nano-oxides for the Adsorption Process                               |
| Poster 31 | T4 PP 83  | BENMAHAMMED Ahmed         | Antibacterial, Antidiabetic, and Hepatoprotective Activities of the Polyphenol-rich extract from <i>Pulicaria odora</i>                            |
| Poster 32 | T4 PP 72  | GUETTOUCHI Ahlam          | Molecular markers and their applications on the date palm ( <i>Phoenix dactylifera</i> L.)                                                         |
| Poster 33 | T4 PP 266 | BRIKI Lyamine             | Alkaline activation of a geopolymer based on industrial mineral waste                                                                              |
| Poster 34 | T4 PP 199 | ZITOUNI Khalida           | Enhancing Plant Fiber Properties via Chemical Modification: A Review                                                                               |
| Poster 35 | T4 PP 211 | KEMEL Hadjer              | Alkaloid Profiling of <i>Peganum harmala</i> Extract by LC-ESI-QTOF-MS/MS and Evaluation of Its Pharmacological Activity Against Cancer Cell Lines |
| Poster 36 | T4 PP 25  | DJELLAL Amel              | Valorization of Olive Wood Ash for the Debittering Step in Green Table Olive Processing                                                            |
| Poster 37 | T4 PP 239 | BOUCHELKIA Imene          | Hydrogen Production from Plastic Waste via Pyro-Gasification: Dynamic Simulation Using Aspen Plus                                                  |
| Poster 38 | T4 PP 189 | ASLOUM Abdelmadjid Yagoub | Toxic activity of the Chemical Components of <i>Coriaria myrtifolia</i> on the Survival of <i>Drosophila melanogaster</i> .                        |
| Poster 39 | T1 PP 309 | Abdelhalim SAADI          | Health Risks of Consuming <i>Spirulina</i> Grown in Mineral-Enriched Media                                                                         |
| Poster 40 | T4 PP104  | ZERROUKI Sara             | Phytochemical investigation of an Algerian Plant: a green approach for bioactive compounds discovery                                               |
| Poster 41 | T4 PP 33  | CHEBIRI Fatima            | Phytochemical Analysis and Evaluation of the Antioxidant Activity of Methanolic and Aqueous Extracts of <i>Cynoglossum creticum</i>                |
| Poster 42 | T4 PP 91  | MEZHOUD Bilel             | <i>Punica Granatum</i> derived compounds as green corrosion inhibitors for zinc in acidic environments                                             |
| Poster 43 | T5 PP 170 | HENTABLI Mohamed          | AI-Driven Modeling of Occupational Exposure Limits for Active Pharmaceutical Ingredients Using Cheminformatics and Machine Learning                |
| Poster 44 | T3 PP 21  | Laila HAMZA,              | Magnesium Oxide Nanoparticles Synthesized Using Olive Leaf Extract for Environmental Remediation                                                   |
| Poster 45 | T4 PP 302 | Wassila REMACHE           | Solar light-Induced Degradation of Cresol Red in the Presence of the Fe(III)-NTA Complex                                                           |
| Poster 46 | T1 PP 14  | Meriem HAMLA              | Formulation and Assessment of an Environmentally Friendly Dishwashing Detergent from Biosourced Surfactants                                        |

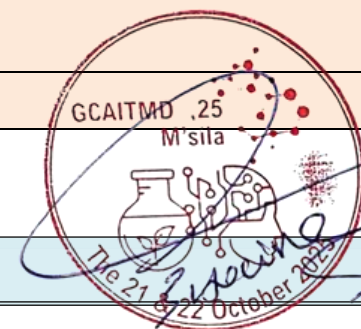


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| Poster 47 | T1 PP 99  | BELHADDAD Oum El-Kheir | Qualitative and quantitative phytochemical analysis and biological activities of Fraxinus excelsior L extracts                       |
| Poster 48 | T1 PP 9   | AMAMRA Samra           | Moringa Oleifera fruit extracts: Phytochemical Screening, Antioxidant and Antibacterial Activities                                   |
| Poster 49 | T1 PP 103 | MOHAMADI Sabrina       | Antimicrobial and antioxidant activities of aqueous extracts of Rhus tripartita species                                              |
| Poster 50 | T1 PP 215 | CHENNA Malika          | Valorization of biofloculants for the Textile dyes by coagulation Flocculation Green chemistry                                       |
| Poster 51 | T1 PP 303 | Abdelouahab DIAFAT     | Zinc tolerance and growth adaptation of malva sylvestris l. In Zinc contaminated soils                                               |
| Poster 52 | T1 PP 109 | Abdeslem BOUZINA       | Microwave-assisted synthesis of imino-acridine derivatives with antioxidant potential combined in vitro and in silico investigations |
| Poster 53 | T4 PP 200 | Aida KEMMOUNDJI        | In vivo anti-inflammatory and antibacterial activities of n-Butanol Extract from an endemic Algerian Ficus                           |
| Poster 54 | T1 PP 9   | AMAMRA Samra           | Moringa Oleifera fruit extracts: Phytochemical Screening, Antioxidant and Antibacterial Activities                                   |
| Poster 55 | T1 PP 103 | MOHAMADI Sabrina       | Antimicrobial and antioxidant activities of aqueous extracts of Rhus tripartita species                                              |
| Poster 56 | T1 PP 215 | CHENNA Malika          | Valorization of biofloculants for the Textile dyes by coagulation Flocculation Green chemistry                                       |

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|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 11H30–11H50 | <b>Plenary Conference 04</b><br><b>Prof. Boulbaba LOUHICHI</b> <i>Higher Institute of the Sciences and Techniques of Waters of Gabes, University of Gabes, Tunisia</i><br><b>Title : Development of a prototype for hydrogen production and industrial and/or urban wastewater treatment using various electrochemical techniques based on solar energy</b><br><b>President : Pr. Ahmed BAHLOUL</b><br><b>Member : Pr . Laid TELLI</b><br><b>Pr Abdellah MERROUCHE</b><br><b>Dr Khadidja BERARMA</b>                                                                     |  |  |
|             | <b>Plenary Conference 05</b><br><b>Prof. Nouredine HAMDI</b> <i>Composite Materials and Clay Minerals Laboratory, National Center for Research in Material Sciences, Technopole Borj Cedria, 8020 Soliman, Tunisia</i><br><i>Higher Institute of Water Sciences and Techniques, University of Gabes, 6072 Zrig, Gabes, Tunisia</i><br><b>Title : Synthesis of new green composite zeolite/activated carbon: adsorption of Non-Steroidal drug and volatile organic compounds</b><br><b>President : Prof. Abdellah MERROUCHE</b><br><b>Member : Prof. Mokhtar DJEHICHE</b> |  |  |
| 11H50–12H10 | <b>Plenary Conference 05</b><br><b>Prof. Nouredine HAMDI</b> <i>Composite Materials and Clay Minerals Laboratory, National Center for Research in Material Sciences, Technopole Borj Cedria, 8020 Soliman, Tunisia</i><br><i>Higher Institute of Water Sciences and Techniques, University of Gabes, 6072 Zrig, Gabes, Tunisia</i><br><b>Title : Synthesis of new green composite zeolite/activated carbon: adsorption of Non-Steroidal drug and volatile organic compounds</b><br><b>President : Prof. Abdellah MERROUCHE</b><br><b>Member : Prof. Mokhtar DJEHICHE</b> |  |  |



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|                    | <b>Dr. Samir MOUFFOK</b><br><b>Dr. Salima ZIDANE</b>                                                                                                                                                                                                                                                              |
| <b>12H10–12H30</b> | <b>Plenary Conference 06</b><br><br><b>Prof. Ahmed BAHLOUL</b><br><br><b>Supercondensateurs : la révolution énergétique au service des technologies de demain.</b><br><b>President : Prof. Elhadi DEBIH</b><br><b>Member : Prof. Laid TELLI</b><br><b>Dr. Mohamed Lamine FREIDJA</b><br><b>Dr. Samir BOUAACHA</b> |
| <b>12H30–12H45</b> | <b>Debate</b>                                                                                                                                                                                                                                                                                                     |



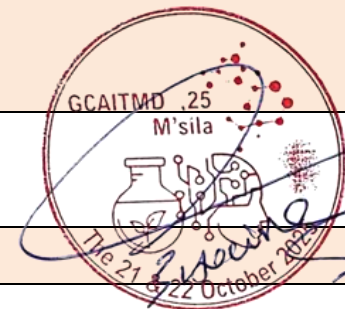
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| <b>12H45 –13H50</b> | <b>Lunch</b> |
|---------------------|--------------|

|  |                                                                 |                              |
|--|-----------------------------------------------------------------|------------------------------|
|  | <b>Afternoon</b><br><b>Conference room "Business incubator"</b> | <b>Dr. BOULEGHLEM Hocine</b> |
|--|-----------------------------------------------------------------|------------------------------|

|                      | <b>Conference Room 1</b><br><b>Animators:</b><br><b>Dr. Oumelkheir BELHADDAD</b><br><b>Dr. Kenza BOUCHELOUCHE</b><br><b>Dr. NESSARK Faiza</b>                                       | <b>Conference Room 2</b><br><b>Animators:</b><br><b>Dr. Abdelhalim SAADI</b><br><b>Dr. Fatima Zohra MEZAH</b><br><b>Dr. Samra AMMAMRA</b>                                   | <b>Conference Room 3</b><br><b>Animators:</b><br><b>Dr. Samia Yousfi</b><br><b>Dr. Meriem HAML</b><br><b>Dr. Saber SAAD ESSAOUD</b>                       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>14H00 – 14H10</b> | <b>Oral 1: T3 OP 47 : LAIDANI Ykhlef</b><br>Equilibrium, kinetic and thermodynamic studies of the biosorption of textile dye from aqueous solutions onto opuntia ficus indica Cords | <b>Oral 5: T4 OP 59: ATMANI-KILANI Dina</b> Revealing the bioavailability and gastroprotective activity of polyphenols from Clematis flammula extract by in vitro digestion | <b>Oral 9: T2 OP 67: MOUFFOK Samir</b><br>Sustainable Recovery of a Synthetic Polymer Waste Via a Bio-Based Polymer System                                |
| <b>14H10– 14H20</b>  | <b>Oral 2: T1 OP 146: MAGHRAOUI Nadjah</b><br>Characterization and Electrochemical behavior of new synthesized zinc (II) tetradentate Schiff base complex                           | <b>Oral 7: T3 OP 110 : Imane DJOUABI</b><br>Antibacterial Activity of Green Synthesized NiO Nanoparticle and NiO-ZnO Nanocomposite using Limon Citrus Extract               | <b>Oral 10: T4 PP 241 : TERCHI Smail</b><br>Coques de noyaux d'abricot comme biosorbant durable pour l'élimination efficace du colorant violet de cristal |



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|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| 14H20 – 14H30 | <b>Oral 3: T1 OP 272: Dalila BENCHEIKH</b><br>Antibacterial activity of hydroethanolic leaf extract of Ziziphuf spina christi against Gram positive and Gram negative bacteria | <b>Oral 8 : T3 OP 79 : BENDEBANE Farida</b><br>Electrodeposition and Characterization of Zn–Cu Alloy Thin Films | <b>Oral 12: T4 OP 34: ATMANI Djebbar</b><br>Valorization of Algerian medicinal plants in medicine and cosmetology |
| 14H30 –14H40  | <b>Oral 4: T3 OP 282: Fahima ARAB</b><br>3D Printed Polymer Phononic crystal structures for the Detection and Characterization of Acetic Acid                                  |                                                                                                                 |                                                                                                                   |



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| 14H40–14H50 | <b>Debate</b> |
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**Business incubator**

**Coffee break 45min**

**Posters Session 2 14H50–15H35**

**Animators:**

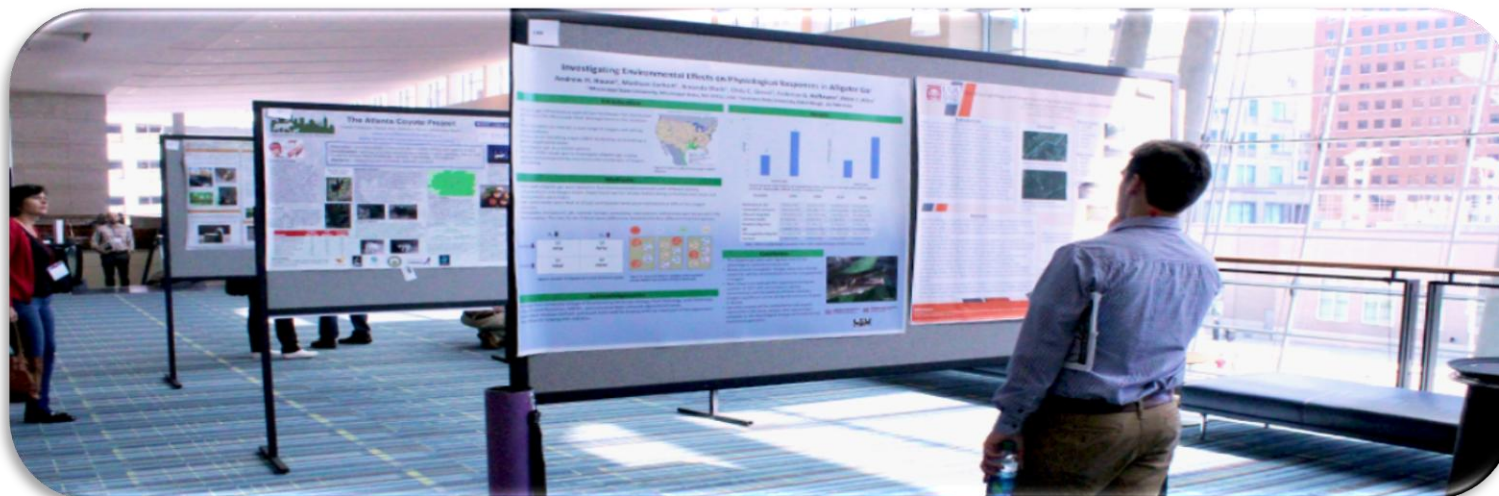
**President : Prof. Fatima Zohra MEZAH**

**Members : Dr. Malika CHENNA and Dr. Samir MOUFFOK (Topics 1)**

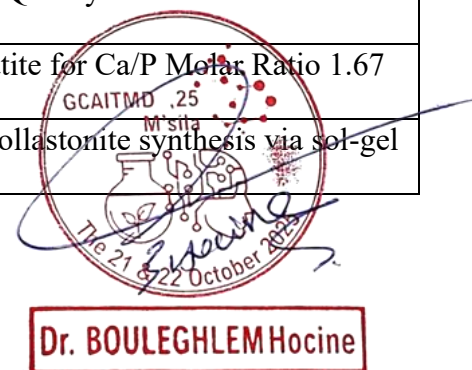
**Dr. Ammar DJERIOUI and Dr. Nairouz BENZEGGOUTA (Topics 2 and 3)**

**Dr Fahima Arab and Dr. Faiza MERITETE (Topics 4 and 5)**

**Dr. BOULEGHLEM Hocine**



|                  |                   |                      |                                                                                                                                                          |
|------------------|-------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Poster 57</b> | <b>T1 PP 216</b>  | BOUDJELAL Amel       | On Vivo wound healing and molecular docking studies support traditional use of Arisarum vulgare aqueous extract                                          |
| <b>Poster 58</b> | <b>T1 PP 03</b>   | SAGHIRI Khadijah     | Structure-Based Design and Pharmacokinetic Studies of Novel GAC Inhibitors for Triple-Negative Breast Cancer                                             |
| <b>Poster 59</b> | <b>T1 PP 106</b>  | BENZEGGOUTA Naïrouz  | Plantes Médicinales Anti-inflammatoires Citées dans la Médecine Prophétique                                                                              |
| <b>Poster 60</b> | <b>T1 PP 259</b>  | BOULEGHLEM Hocine    | Eco-Responsible Extraction of Collagen from Food Waste: Towards a Green Approach                                                                         |
| <b>Poster 61</b> | <b>T1 PP 24</b>   | BENABILA Nabila      | Theoretical Study of Excess Molar Volumes in Binary Mixtures of Alkoxyethanols and Selected Amines Using DFT                                             |
| <b>Poster 62</b> | <b>T1 PP 178</b>  | MAKOUF Naouel        | Synthesis, Structure and Molecular Docking Studies of a Cobalt(II) Complex Derived from Phthalimide Ligands                                              |
| <b>Poster 63</b> | <b>T1 PP 220</b>  | BOUCHELOUCHE Kenza   | Phytochemical screening, biological activity and corrosion inhibition of a medicinal plant                                                               |
| <b>Poster 64</b> | <b>T1 PP 121</b>  | SAHKI Feriel Aouatef | Synthesis, Crystal Structures, Antioxidant Activity and Molecular Docking Studies of a Thiomethylbenzimidazole Ligand and Its Mononuclear Zn(II) Complex |
| <b>Poster 65</b> | <b>T1 PP 163</b>  | SEBAI Ibteissam      | Visible light induced hydrogen evolution from water on the hetero-system 10% NiO/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub>                               |
| <b>Poster 66</b> | <b>T1PP268</b>    | LACHACHE Sabira      | Physicochemical study of Medicinal plants in the region, Algeria                                                                                         |
| <b>Poster 67</b> | <b>T1 PP 78</b>   | HADJI Maroua         | LC-MS/MS Characterization of Phenolics and Green Synthesis of Antibacterial Silver Nanoparticles from the Acetonic Extract of Algerian Daucus carota     |
| <b>Poster 68</b> | <b>T1 P P 260</b> | ZIDANE Salima        | Evaluation of a Binary Complex for Use in Cosmetics                                                                                                      |
| <b>Poster 69</b> | <b>T1 PP 245</b>  | BENADEL Zohra        | Extraction And Treatment Of Cellulosic Fibers From Date Palm                                                                                             |
| <b>Poster 60</b> | <b>T1 PP 300</b>  | Sarra Chabane        | Phytochemical Profile and Anticancer Potential of Pituranthos scoparius                                                                                  |
| <b>Poster 61</b> | <b>T2 PP 75</b>   | CHETIOUI Souheyla    | Cu(II) coordination polymer bearing diazenyl-benzoic ligand: Synthesis, physicochemical and XRD/HSA-interactions                                         |
| <b>Poster 62</b> | <b>T2 PP 193</b>  | KADI Souad           | The role of Artificial Intelligence in sustainable smart food packaging: Recent advances                                                                 |
| <b>Poster 63</b> | <b>T2 PP 136</b>  | KALOUN Amina         | : Optimized PVA-Based Cationic Membranes for Efficient Dual-Electrolyte Water Electrolysis.                                                              |
| <b>Poster 64</b> | <b>T2 PP 13</b>   | GHERBAOUI Fatima     | Contribution to the Study of the Physico-Chemical Quality of Water in the Hodna Basin                                                                    |
| <b>Poster 65</b> | <b>T2 PP 227</b>  | MOKRANE Amira        | Thermal Stability of Sol-Gel Derived Hydroxyapatite for Ca/P Molar Ratio 1.67 and 1.5                                                                    |
| <b>Poster 66</b> | <b>T3 PP 64</b>   | MAALMI Mohamed       | Experimental study of the effect of nitric acid on wollastonite synthesis via sol-gel method                                                             |

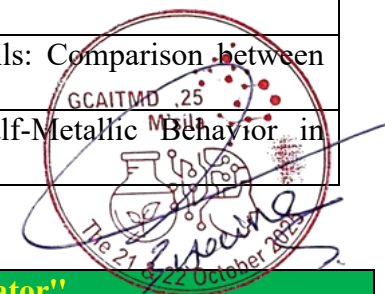


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|-----------|-----------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Poster 67 | T3 PP 147 | GHARNOUT Zahia       | PVA-Based Proton-Exchange Membranes for Energy-Efficient Dual-Electrolyte Water Electrolysis.                                                                                           |
| Poster 68 | T3 PP 76  | TURQUI Tarik         | Eco-Friendly Synthesis of AgNPs Using Asteraceae Extract and Their Comparative Antioxidant Potential                                                                                    |
| Poster 69 | T3 PP 231 | SAADI Taieb          | Electronic structure, mechanical and optical properties of hydrogen storage alkaline amides $XNH_2$ ( $X = Li, Na$ ) compounds.                                                         |
| Poster 70 | T3 PP 233 | REDAOUI Samiha       | The morphology ,electro chemical performance and characterization of nanostructured $\alpha$ -PbO prepared from spent lead acid battery negative plate                                  |
| Poster 71 | T3 PP 117 | Oualid DILMI         | Effect of potential on the electrochemical nucleation and growth of the nanostructured indium thin film                                                                                 |
| Poster 72 | T3 PP150  | LAKHAL Lynda         | The effect of physical properties of nanostructural ZnSe quantum Dots                                                                                                                   |
| Poster 73 | T3 PP 190 | CHAHLAT Said         | Computational Study of a Half-Heusler Alloy Using Ab Initio Methods                                                                                                                     |
| Poster 74 | T3 PP 138 | SADEDDINE Sarra      | solvothermal synthesis ,characterization and antibacterial activity of undoped and Ag doped ZnO                                                                                         |
| Poster 75 | T3 PP 212 | MEZRAG Fadila        | Band gap energies and optical properties in nanostructured semiconductor InAs: The Effect of Quantum Confinement                                                                        |
| Poster 76 | T3 PP 132 | CHENAGUE Hanane      | Spray Pyrolysis Deposition of Aluminum- Doped Zinc Oxide(AZO) Thin Films for Energy Applications                                                                                        |
| Poster 77 | T3 P P133 | TALHI Souaf          | Removal of Methyl Orange dyes from water Utilizing Layered Double Hydroxide ( $NiFeCO_3$ ).                                                                                             |
| Poster 78 | T3 PP 97  | TIAIBA Wafa          | Efficient Methylene Blue Adsorption: Experimental & DFT Analysis of $H_3PO_4$ -Activated Date Palm Carbon                                                                               |
| Poster 79 | T3 PP 236 | KHENICHE Abdelhakim  | Optimisation des membranes protoniques à base de PVA sulfoné : effet des agents de réticulation sur les propriétés électrochimiques et thermomécániques                                 |
| Poster 80 | T3 PP 192 | DJELLALI Brahim Said | A Theoretical Framework for Modeling the Nonlocal Mechanical Behavior of Protein Networks in Biomolecular Resonant Sensors: Integrating Hydrogen Bonding and van der Waals Interactions |
| Poster 81 | T3 PP 219 | DILMI Souad          | Electron-Phonon Coupling and Superconductivity in $YC_2$ via first principle calculation                                                                                                |
| Poster 82 | T3 PP 246 | DJERIOUI Ammar       | وتفكيكها الضوئي للملوثات بالاستعمال التقنيات الحديثة. (CuO) جسيمات اكسيد النحاس                                                                                                         |
| Poster 83 | T3 PP 284 | SALMI Somia          | Investigation into the photocatalytic degradation of red congo dye using semiconductor                                                                                                  |
| Poster 84 | T3 PP 296 | Abdallah RAHALI      | Removal of Nickel(II) in wastewater by nanochitosan                                                                                                                                     |
| Poster 85 | T4 PP 40  | HERIZI Achwaq        | Sustainable Valorization of Wastewater Sludge: Resource Recovery for Energy and Soil Applications                                                                                       |
| Poster 86 | T4 PP 269 | KOUIDRI Djamilia     | Physicochemical Characterization of a Natural Fiber Extracted from <i>Kochia indica</i>                                                                                                 |



|                   |                   |                      |                                                                                                                                                                                         |
|-------------------|-------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Poster 87</b>  | <b>T4 P P 93</b>  | BOUCHAREB Samira     | Bioprocessing and structural valorization of natural lignocellulosic fibers for sustainable material development                                                                        |
| <b>Poster 88</b>  | <b>T4 PP 145</b>  | HADJ KOUIDER Boubakr | Analyse de la composition chimique du quinoa et perspectives de valorisation pour l'alimentation humaine                                                                                |
| <b>Poster 89</b>  | <b>T4 PP 149</b>  | LALLOUCHE Bahia      | Évaluation de la valeur nutritionnelle et de la composition chimique de plants de blé destinés à la fabrication de chlorophylle alimentaire                                             |
| <b>Poster 90</b>  | <b>T4 PP 186</b>  | YOUSFI Samia         | The effect of nitrate ions on the electrochemical behavior of brass.                                                                                                                    |
| <b>Poster 91</b>  | <b>T4 PP 58</b>   | ATTOUI Warda         | Elaboration et caractérisation d'un matériau composite à base de caoutchouc naturel renforcé par des fibres de verres, fibres végétales et hybrides.                                    |
| <b>Poster 92</b>  | <b>T4 PP 70</b>   | HADROUG Aldjia       | Comparative GC/MS Analysis of Essential Oil Profiles in Origanum glandulosum Desf. from Algeria and Tunisia                                                                             |
| <b>Poster 93</b>  | <b>T4 P P 283</b> | BOUCHAREB Khaled     | Climatic Impact on the Performance of a Parabolic Trough Solar Power Plant: Case of the Semi-Arid Northern Region of Algeria and Southern Spain                                         |
| <b>Poster 94</b>  | <b>T1 PP 312</b>  | Youssra MIHOUNE      | Synthesis and Antioxidant Evaluation of Nitrovanillin Derivatives                                                                                                                       |
| <b>Poster 95</b>  | <b>T4 PP 62</b>   | MEFTAH Lamya         | Development of Activated Carbon from Almond Shells: Physico-Chemical Characterization and Application in Wastewater Treatment.                                                          |
| <b>Poster 96</b>  | <b>T4 PP 238</b>  | BELAMRI Kenza        | Développement des batteries Zn/MnO <sub>2</sub> pour le stockage des énergies renouvelables : une alternative écologique basée sur la valorisation des ressources minérales abondantes. |
| <b>Poster 97</b>  | <b>T4 P P188</b>  | NESSARK Faiza        | Etude de la tenue a la corrosion d'un acier a304 modifié par un matériau composite : polypyrrole/TiO <sub>2</sub>                                                                       |
| <b>Poster 98</b>  | <b>T4 PPOL86</b>  | MERABET Sarra        | Effect of Thermal Environmental fluctuations on the corrosion behaviour of low-carbon steel alloy in saline conditions                                                                  |
| <b>Poster 99</b>  | <b>T1 PP 307</b>  | Samir BOUACHA        | Pharmacophore Generation, 3D QSAR model, Molecular Docking studies and in silico ADMET Screening of Benzimidazole Derivatives as HCV NS5B RNA-dependent RNA Polymerase In               |
| <b>Poster 100</b> | <b>T4 PP 306</b>  | Malika MERZOUGUI     | Effect of Deformation and Annealing on the Microstructure and Mechanical Behavior of a Magnesium Alloy                                                                                  |
| <b>Poster 101</b> | <b>T1 PP 310</b>  | Sarra BEKRI          | Preparation and application of biomass-derived activated carbon for wastewater remediation.                                                                                             |
| <b>Poster 102</b> | <b>T5 PP 311</b>  | Hesna BENSEDDIK      | Valorization of biological studies of medicinal plant « <i>Thapsia garganica</i> »                                                                                                      |
| <b>Poster 103</b> | <b>T1 PP 302</b>  | Abdelouahab DIAFAT   | In vivo and in vitro anti-inflammatory and anti-arthritic effect of <i>Peganum harmala</i> . L                                                                                          |
| <b>Poster 104</b> | <b>T1 PP 304</b>  | DRIF Seif Eddine     | Synthèse de ZnO nanoparticules dopés Charbon actif à base des grains d'olive pour le traitement des eaux usées par photocatalyse solaire.                                               |

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|-------------------|------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Poster 105</b> | <b>T3 PP 311</b> | Samir HAMRIT      | RF-Magnetron Sputtered Vanadium-Doped ZnO Thin Films Derived from Sol-Gel Nanopowder Targets on Flexible PEN Substrates.                                                           |
| <b>Poster 106</b> | <b>T3 PP 182</b> | Zoubida HAMMOU    | Characterization and modification of an Algerian clay and its application as an adsorbent                                                                                          |
| <b>Poster 107</b> | <b>T4 PP 288</b> | Hamza MEGHERBI    | The effect of phosphoric acid on the physiochemical properties of activated carbons made from biomass leaves: porosity characteristics, surface chemistry, and adsorption capacity |
| <b>Poster 108</b> | <b>T4 PP 314</b> | LAIFA Fakhreddine | Effect of Alkaline Treatment on the Crystallinity Index and Crystallite Size of Silybum Marianum Lignocellulosic Fibers                                                            |
| <b>Poster 109</b> | <b>T4 PP 77</b>  | KOADRI Zainate    | Valorization of Local Renewable Materials for Sustainable Construction: Mechanical Reinforcement of Clay Composites                                                                |
| <b>Poster 110</b> | <b>T4 PP 248</b> | ABCHICHE Hacina   | Energy Recovery and Regeneration of Used Engine Oils: Comparison between Pyrolysis and Combined Treatment Methods                                                                  |
| <b>Poster 111</b> | <b>T3 PP 322</b> | Walid MENASRI     | FP-LAPW and Hybrid Functional Study of the Half-Metallic Behavior in CuMnInSe <sub>3</sub>                                                                                         |



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| <b>15H40 –16H30</b> | <b>Oral session 2</b> | <b>Conference room "Business incubator"</b> |
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**Dr. BOULEGHLEM Hocine**

|                     | <b><u>Conference Room 1</u></b><br><b>Animators:</b><br>Pr. Mokhtar DJEHICHE<br>Dr. Samir MOUFFOK<br>Dr. Faiza MERITATE                                                   | <b><u>Conference Room 2</u></b><br><b>Animators:</b><br>Pr. BENDEBANE Farida<br>Dr. Smail TERCHI<br>Dr. Samia YOUSFI                                                                                              | <b><u>Conference Room 3</u></b><br><b>Animators:</b><br>Dr. Ammar DJERIOUI<br>Dr. Salima ZIDANE<br>Dr. Abdeslam BOUZINA                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>15H40 –15H50</b> | <b>Oral 13: T3 OP 35: BOUDERBALA Ibrahim Yaacoub</b><br>Influence of Zinc Acetate Concentration on the Photoelectrochemical Performance of Chemically Deposited ZnO Films | <b>Oral 17 : T4 OP 139: LARKAT Karima</b><br>Caractérisation physico-chimique et composition minérale d'une argile naturelle (Région de Soubella, M'Sila, Algérie)                                                | <b>Oral 22 : T4 O P 89: BENDEBANE Salima</b><br>Homogeneous Catalyzed Transesterification of Biodiesel: Application of the Box-Behnken Design                                                     |
| <b>15H50 –16H00</b> | <b>Oral 15 : T3 OP 232 : KHENICHE Abdelhakim</b><br>Plant-Driven Nanotechnology: CuO Nanoparticles and Their Light-Induced Degradation of Pollutants                      | <b>Oral 18 : T4 OP 194: BENDJELLOUL Sara</b><br>Co-detection de l'eugenol et du butylhydroxytoluene par hydrodistillation verte et selective d'heliotropium tenuiflorum (L.) utilisant de nouveaux solvants verts | <b>Oral 23 : T4 O P187: NESSARK Faiza</b><br>Electrosynthese et analyse des proprietes electrocatalytiques d'electrodes modifiees par des films de polypyrrole fonctionnalise contenant du nickel |

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| <b>16H00 –16H10</b> | <b>Oral 16 : T3 OP 82 : KABOUYA Imane</b><br>Valorisation nanoformulée des extraits d'Artemisia herba-alba pour la protection pré-récolte du blé contre les ravageurs | <b>Oral 20 : T4 OP 38: BACHIRI Marwa</b><br>The optimization of experimental conditions using Design Expert to enhance the oxidation of rhodamine B with persulfate in a sustainable solar system | <b>Oral 24 : T2 O P 153: Mohamed Rafik BERINIE</b><br>Enhanced of flow parameters and modeling of the rheological behavior of crude oil with and without additive |
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| <b>16H20 – 16H30</b> | <b>Debate</b> |
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**Day 2 – Wednesday, October 22<sup>nd</sup>, 2025 – Online via Google Meet**

**Opening Ceremony: 08H45-09H00**

**Seminar Chair: Dr. Hocine BOULEGHLEM**

**Session 1 - Room 1 09H00-13H00**

**Animators:**

**Dr. Salima ZIDANE**

**Dr. Mohamed Lamine FREIDJA**

**Dr. Abdelhakim KHENICHE**

**Dr. Nadjia LATELLI**

**Dr. Nawel MAAKOUF**



**Google Meet link for participation – Room 1: <https://meet.google.com/fgw-nwuz-nda>**

**Dr. BOULEGHLEM Hocine**

| N° | Time                | Reference   | First Name and Last Name | Title of presentation                                                                                                            |
|----|---------------------|-------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 1  | <b>09H00- 09H10</b> | T1 O EL 74  | ARAB Houda               | Theoretical study of the interaction between proteins; collagen, keratin and blue indigo dye by molecular docking approach       |
| 2  | <b>09H10- 09H20</b> | T1 O EL 157 | CHERAFT-BAHLOUL Nassima  | Effet protecteur de l'extrait brut de feuilles de Clematis flammula sur la cicatrisation des ulcères chez la souris.             |
| 3  | <b>09H20- 09H30</b> | T1 O EL 56  | ALLAB Yacine             | Redox Behavior and Antioxidant Activity of Tetrazole-Based Ni (II) Complexes: A Green Solid-State Synthesis and DFT Study        |
| 4  | <b>09H30- 09H40</b> | T1 O EL 128 | YAHLA Sara               | Essential Oil of Teucrium aureo-candidum as a Natural Antibacterial Agent against Resistant Pathogens: A Docking-Guided Approach |

|    |              |             |                    |                                                                                                                                                                                |
|----|--------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5  | 09H40- 09H50 | T1 O EL 148 | MAYOUF Nozha       | In vitro anti oxidant capacity , Phytochemical Evaluation and anti inflammatory activity by Bsa of hydro Methanolic Extract from fruit                                         |
| 6  | 09H50- 10H00 | T1 O EL 156 | BENATTIA Mohamed   | Optimisation de la production d'hydrogène vert par électrolyse PEM. Application de plan Box-Behnken                                                                            |
| 7  | 10H00- 10H10 | T1 O EL 107 | MERDJA Khedidja    | DFT and Molecular Docking Insights into New Thiohydantoin Derivatives with Potential Biological Activity                                                                       |
| 8  | 10H10- 10H20 | T2 O EL 226 | ARIS Serine        | Development of biocomposites based on palm fiber for sustainable applications                                                                                                  |
| 9  | 10H20-10H30  | T1 O EL 125 | CHERAITIA Amina    | Mechano-enzymatic and deep eutectic solvent (DES) mediated sulfoxidation reactions                                                                                             |
| 10 | 10H30- 10H40 | T1 O EL 256 | CHEHROURI Manel    | Palladium (II) complexes of amphiphilic azoles as recoverable catalysts in Suzuki-Miyaura cross-coupling reaction.                                                             |
| 11 | 10H40- 10H50 | T1 O EL 209 | HASNI Ferdaous     | Investigation of New Inhibitors as Anti-Alzheimer Agents Through Molecular Modeling Methods                                                                                    |
| 12 | 10H50- 11H00 | T1 O EL 242 | ZETCHI Amel        | Détermination d'une nouvelle voie d' accès aux $\beta$ -aminocétone et leurs effets thérapeutiques                                                                             |
| 13 | 11H00- 11H10 | T1 O EL 8   | HANTOUR Razika     | Dosage des composés phénoliques et évaluation de l'activité antioxydante d'une plante de la famille des Malvacées                                                              |
| 14 | 11H10- 11H20 | T5 O P 26   | TOUATI Hana        | Comparison of DFT and AI-Predicted IR and NMR Spectra of (R)- and (S)- 1-Fluoroethanol                                                                                         |
| 15 | 11H20- 11H30 | T1 O EL 168 | GHERZOULI Hiba     | Phytochemical study and antioxidant activity evaluation of the methanolic extract of <i>Borago officinalis</i> L.                                                              |
| 16 | 11H30- 11H40 | T1 O EL 225 | MENNANA Imene      | Nouvelle voie de synthèse de Naphtoxazinone par un nouveau catalyseur                                                                                                          |
| 17 | 11H40- 11H50 | T1 O EL 115 | AZIZI Nassima      | Contribution to the study of the biological effect of <i>Citrullus colocynthis</i> seeds                                                                                       |
| 18 | 11H50- 12H00 | T1 O EL 115 | CHAHBAOUI Narimene | Combined Pharmacophore Modeling, 3D-QSAR, Molecular Docking, and Molecular Dynamics Simulations for the Identification of Novel Curcumin Derivatives Against Pancreatic Cancer |
| 19 | 12H00- 12H10 | T2 O EL 191 | DIKES Loubna       | Isolation and Characterization of Biocorrosive Bacteria from Industrial Systems: A Step Toward Sustainable Infrastructure Protection                                           |
| 20 | 12H10- 12H20 | T2 O EL 160 | BAIRA Fayçal       | Electronic Characteristics and Deformation of Nanotubes Under Influence of an Electric Field                                                                                   |
| 21 | 12H20- 12H30 | T2 O EL 54  | Rahla Miloud       | Elaboration des matériaux composites renforcés par des fibres Naturelles                                                                                                       |
| 22 | 12H30- 12H40 | T3 O EL 279 | BOUSEMAT Hadjer    | Modélisation et investigation expérimentale du processus d'adsorption binaire sur un adsorbant nanostructuré                                                                   |

Session 1 -

Room 2

09H00-13H00

**Animators:**

**Dr. Salima ZIDANE**

**Dr. Ahlem HACHELAF**

**Dr. Kenza BOUCHELOUCHE**



Dr. Walid DILMI

Dr. Amina RAGHDI

Google Meet link for participation – Room 2: <https://meet.google.com/zww-jrpb-zos>



| N° | Time         | Reference   | First Name and Last Name   | Title of presentation                                                                                                                                                         |
|----|--------------|-------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 24 | 09H00- 09H10 | T3 O EL 39  | BOUIGHI Habib              | Simulation of heat dissipation by twisted surface fins                                                                                                                        |
| 25 | 09H10- 09H20 | T3 O EL 258 | ELHABCHI Yasmine           | Microbial Nanoparticle Synthesis: a sustainable method for Biocorrosion Mitigation in Oil and Gas Pipelines                                                                   |
| 26 | 09H20- 09H30 | T5 OEL 55   | BOUDAUD Asma               | Evaluating AI Models for IR Spectral Analysis of Phenol: Accuracy and Limitations in Molecular Characterization                                                               |
| 27 | 09H30- 09H40 | T4 O EL 66  | DELHOUM Hadia              | Valorization of natural resources: study of the antimicrobial activity of Plectranthus amboinicus (Cuban oregano) extract                                                     |
| 28 | 09H40- 09H50 | T3 O EL 35  | KHELOUFI Slimane           | Influence of Zinc Acetate Concentration on the Photoelectrochemical Performance of Chemically Deposited ZnO Films                                                             |
| 29 | 09H50- 10H00 | T4 O EL 41  | BOUBLATA Nour El Imene     | Hyoscyamus albus : Une Plante Médicinale et Agricole à Redécouvrir                                                                                                            |
| 30 | 10H00- 10H10 | T4 O EL 291 | BOUBRIK Fairouz            | Valorisation D'extrait Acétate D'éthyle De Thé Vert (Camellia sinensis L.) Comme Ressource Naturel Renouvelable                                                               |
| 31 | 10H10- 10H20 | T4 O EL 180 | TOUATI Fatima Zohra Batoul | Soil Valorization Strategies in Barley Cropping Systems in Arid Agroecosystems: The Case of Ziban                                                                             |
| 32 | 10H20-10H30  | T4 O EL 243 | BOUNOURI Yassine           | Valorisation de matériaux naturels pour le traitement d'eaux colorées : cas de l'Orange II                                                                                    |
| 33 | 10H30- 10H35 | T4 P EL 210 | CHOUIKH Nesrine            | Antioxidant properties and preventive effect of aqueous leaf extract of Pistacia lentiscus L. against Oxaliplatin-induced oxidative stress in isolated rat liver mitochondria |
| 34 | 10H35- 10H40 | T4 P EL 80  | MEBARKI Moubarek           | Élimination des colorants bleu de méthylène et rouge Congo dans une solution aqueuse à l'aide de biomasse de fêrle.                                                           |
| 35 | 10H40-10H45  | T4 P EL 12  | LAKAS Manal                | Pharmacological insights into the anti-inflammatory and antioxidant activities of Anvillea radiata                                                                            |
| 36 | 10H45- 10H50 | T4 P EL 51  | GUENANE Nesrine            | De la plante au potentiel thérapeutique : propriétés antitumorales prédites de Teucrium polium L.                                                                             |
| 37 | 10H50- 10H55 | T4 P EL 69  | SAIDI Asma                 | Pharmacotoxicological study of aqueous and hydro-methanolic extracts of Pergularia tomentosa L.                                                                               |
| 38 | 10H55- 11H00 | T4 P EL 265 | Saliha TORCHE              | Contribution to an ethnobotanical study on plants with antiseptic and healing properties in the Khenchela and Batna regions                                                   |
| 39 | 11H00- 11H05 | T4 PEL 255  | BADAoui Fatima Zohra       | Quantitative ethnobotanical survey on the cosmetic use of plants in Constantine-Algeria                                                                                       |

|    |              |             |                   |                                                                                                            |
|----|--------------|-------------|-------------------|------------------------------------------------------------------------------------------------------------|
| 40 | 11H05- 11H10 | T4 P EL 262 | ATAOUAT Zana      | L'effet de prétraitement chimique sur la production de biogaz à partir des boues de la station d'épuration |
| 41 | 11H10- 11H15 | T4 P EL 101 | KOUROULOU Zoubida | Extraction and Characterization of a Biopolymer from Biomass Waste                                         |
| 42 | 11H15- 11H20 | T1 P EL 113 | GUENANE Wissem    | Caractérisation Chromatographique et Spectrophotométrique des Composés Phénoliques d'une Plante Médicinale |
| 43 | 11H20- 11H25 | T4 P EL 144 | BOUTARFA Soumia   | Antimicrobial activity of fruit peels extracts cultivated in Algeria.                                      |
| 44 | 11H25- 11H30 | T4 P EL 29  | HOUTI Kaouthar    | Sustainable Biocatalysis Using Yeast-Derived Enzymes: A Green Approach to Molecular Design                 |

**Session 1**

**Room 3**

**09H00-13H 00**

**Animators:**

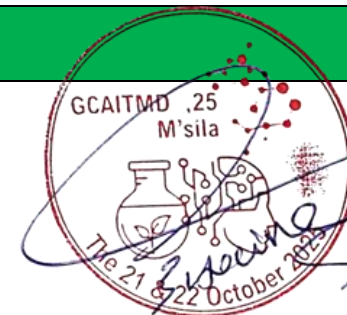
**Dr. Salima ZIDANE**

**Dr. DJEMLI Amer**

**Dr. BENZEGGOUTA Nairouz**

**Dr. MEZZAHI Fatima Zohra**

**Dr. YOUSFI Samia**

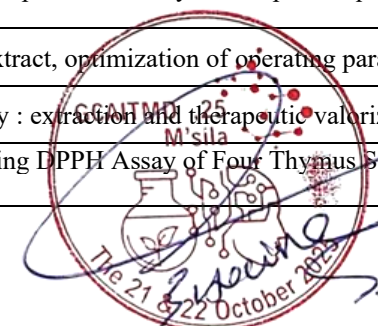


**Google Meet link for participation – Room 3:** <https://meet.google.com/fjm-vdyb-nbi>

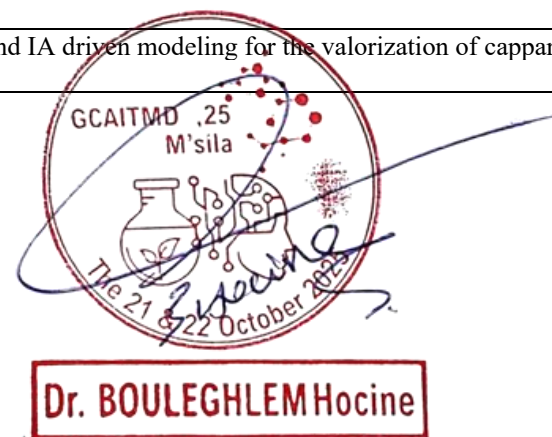
**Dr. BOULEGHLEM Hocine**

| N° | Time         | Reference   | First and last name | Title of presentation                                                                                                             |
|----|--------------|-------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 45 | 09H00- 09H05 | T4 P EL 202 | KHEMKHAM Aicha      | Phenolic content, antioxidant activity of essential oils of Teucrium polium and Artemisia herba alba: combination effect          |
| 46 | 09H05- 09H10 | T4 P EL 140 | SAAD Fatima         | Valorization of Eggshell-Derived Biosorbent for Efficient Dye Removal from Wastewater                                             |
| 47 | 09H10- 09H15 | T4 P EL 285 | SAOUDI Soulef       | Determination of bioactive compounds, anti-inflammatory and antioxidant properties of hydroalcoholic extract of Galuim aparine L  |
| 48 | 09H15- 09H20 | T4 P EL 73  | BELAID Taous        | Biosorption of Cu(II) using eggshell-alginate composite beads: kinetic and thermodynamic study                                    |
| 49 | 09H20-09H25  | T4 P EL 286 | HEDIA Nacera        | Valorization of Faba Bean (Vicia faba L.) Residues through FTIR Characterization for Integration into Broiler Chicken Feed        |
| 50 | 09H25-09H30  | T4 P EL 261 | ADDA Messaouda      | Characterization, phytochemical and biological activities of essential oils of few spontaneous plants in Tiaret region (Algeria). |
| 51 | 09H35-09H40  | T4 P EL 162 | MELLAL Hanane       | Enzymatic Bioprocesses from Thermal Bacterial Strains: Potential and Perspectives                                                 |

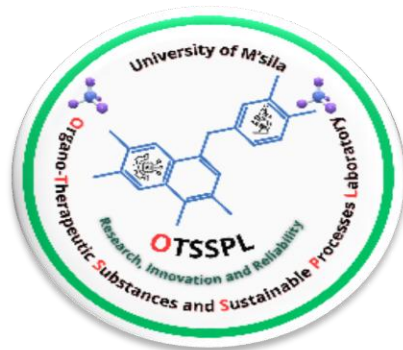
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| 52 | <b>09H40-09H45</b>  | T1 P EL 94  | LAMOURI Abdelmouman           | In silico exploring of phytochemistry components and in vitro bioactivity of essential oils: bioinformatics structure and biological prospects                   |
| 53 | <b>09H45-09H50</b>  | T1 PEL19    | ARAB Ouahiba                  | Phytochemical screening, therapeutic and medicinal virtues of a plant of the Ginkgoaceae family                                                                  |
| 54 | <b>09H50-09H55</b>  | T1 P EL 205 | BOUNAB Souhila                | Étude phytochimique et bioactivité des huiles essentielles d'une plante Asteraceae: Artemisia herba-alba provenance de Hassi Behbeh (wilaya de Djelfa, Algérie). |
| 55 | <b>09H55-10H00</b>  | T1 P EL 222 | FAR Hadjer                    | Organic Synthesis of New Proline-Based Metal Complexes: Spectroscopic Characterization and Antibacterial Potential                                               |
| 56 | <b>10H00-10H05</b>  | T1 P EL 45  | BENAISSA Mohamed Rafik        | Synthèse et Etude Théorique d'un Complexe de Cobalt(II) Incorporant un Triazole Substitué lié à la Phénanthroline                                                |
| 57 | <b>10H05-10H10</b>  | T2 P P02    | BACHIR BEY Imene              | Influence of Applied Voltage on the Fatigue Performance of Copper-Embedded Multifunctional Composites                                                            |
| 58 | <b>10H10-10H15</b>  | T2 P EL 217 | ABDELLAOUI Fatiha             | Impact de l'antibiothérapie sur l'émergence de la résistance des Entérobactéries aux antibiotiques de la famille des bêta-lactamines                             |
| 59 | <b>10H15-10H20</b>  | T2 P EL 207 | FEKHAR Nassima                | Resistance profile of Staphylococcus aureus (MRSA) isolates to antibiotics in infections in the hospital CHU in the West region of Algeria                       |
| 60 | <b>10H20-10H25</b>  | T1 P EL 167 | MAYOUF Nozha                  | Screening of Plant Extract for Antioxidant Activity and anti inflammatory effect by the method of egg albumin                                                    |
| 61 | <b>10H25-10H30</b>  | T1 P EL 81  | LAHRECHE Saadia               | Removal of pollutant by adsorption process using an activated carbon adsorbents prepared from prickly pear fruit seeds                                           |
| 62 | <b>10H30-10H35</b>  | T3 P EL 224 | MAKHLOUFI Mohamed Cherif      | Green Chemistry for Environmental and Industrial Transformation                                                                                                  |
| 63 | <b>10H35-10H40</b>  | T5 P EL 37  | GUENDOZ DJEMAA                | First principles calculations on structural, mechanical and optical properties of alkaline earth hydride CaH for hydrogen storage applications                   |
| 64 | <b>10H40-10H45</b>  | T2 P EL 32  | AMIRA Aicha                   | In vitro antibacterial activity of methanolic leaf extract of Eucalyptus citriodora                                                                              |
| 65 | <b>10H45-10H50</b>  | T5 P EL 11  | REZAZI Sarah                  | AI And Molecular Design: Harnessing Artificial Neural Networks For High-Fidelity Prediction Of Anti-Inflammatory Compounds                                       |
| 66 | <b>10H50-10H55</b>  | T3 P EL 104 | BEKKAR Fadila                 | Highly Efficient Photocatalytic Degradation of Methylene Blue Dye Using Sodium Alginate/TiO <sub>2</sub> Nanocomposites                                          |
| 67 | <b>10H55-11H00</b>  | T1 P EL 223 | RADJA Djamaia Sabiha          | Teneur en 5-hydroxyméthylfurfural (HMF) dans les miels de la région de Mostaganem                                                                                |
| 68 | <b>11H00- 11H05</b> | T1 P EL 213 | GHECHAM Abdelmoudjib          | In Silico Molecular Docking of LC-MS-Identified Phytocompounds as Potential $\alpha$ -Amylase Inhibitors                                                         |
| 69 | <b>11H05- 11H10</b> | T3 P EL 277 | BELAIDI Ouafa                 | Organometallic nanostructures for efficient dye removal: Towards greener water treatment technologies                                                            |
| 70 | <b>11H10- 11H15</b> | T3 P EL 263 | ZITOUNI Imene                 | Functionalized Kaolin with Green-Synthesized TiO <sub>2</sub> Nanoparticles for Dye Adsorption                                                                   |
| 71 | <b>11H15- 11H20</b> | T1 P EL 53  | BOUNAB Bochra                 | A novel green synthesis of a nanomaterial using plant extract, optimization of operating parameters                                                              |
| 72 | <b>11H20- 11H25</b> | T1 P EL 150 | HEBBACHE Zahida Yasmina       | Contribution of Pituranthos Scoparius to green chemistry : extraction and therapeutic valorization                                                               |
| 73 | <b>11H25- 11H30</b> | T1 P EL 96  | SADLI Houssam Eddine Mustapha | Polyphenolics Compounds and Antioxidant Activity Using DPPH Assay of Four Thymus Species from Western Algeria                                                    |



|    |                     |             |                         |                                                                                                                                                                                      |
|----|---------------------|-------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 74 | <b>11H35- 11H40</b> | T1 P EL87   | BAKI Samira             | Etude théorique de la réaction de cycloaddition dipolaire-1,3 du nitroso oxide avec le fluoroéthylène.                                                                               |
| 75 | <b>11H40- 11H45</b> | T1 P EL 208 | KHELIFA Sonia           | Box-Behnken experimental approach for the removal of cationic dyes via a green emulsified liquid membrane                                                                            |
| 76 | <b>11H45-11H50</b>  | T1 PEL 183  | CHERALET Zine Laabidine | Synthesis and biological activities $\alpha$ -amino phosphonate derivatives of thiadiazol                                                                                            |
| 77 | <b>11H50- 11H55</b> | T1 P EL 100 | LITIM Sarra             | Antidiabetic Activity of Cold-Pressed Linseed and Chia Seed Oils                                                                                                                     |
| 78 | <b>11H55- 12H00</b> | T1 PEL 01   | BOUYA Sara              | Développement de plateformes d'intelligence artificielle pour l'optimisation accélérée de catalyseurs en chimie verte : vers des procédés moléculaires plus innovants et performants |
| 79 | <b>12H00- 12H05</b> | T1 P EL 154 | Besma Saoudi            | Synthèse de dérivés polycycliques originaux comportant comme structure de base un noyau Pyrazole via une réaction d'arylation directe catalysée par le palladium                     |
| 80 | <b>12H05- 12H10</b> | T1 P EL 214 | BOUAFIA Waffa           | In Silico Evaluation of Plant-Derived Flavonoids Identified by LC-MS as Potential Antibacterial Agents Against Gram-Positive and Gram-Negative Bacteria                              |
| 81 | <b>12H05- 12H10</b> | T1 PEL 85   | MEKKI Sofiane           | Copper triazole complex supported on Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> nanoparticles as eco-friendly nanocatalyst in solvent-free Biginelli reaction                  |
| 82 | <b>12H10- 12H15</b> | T4 PEL 158  | Karim TIGHILET          | Impact of Extraction Methods on Phytochemicals and Bioactivity: A Green Chemistry Approach                                                                                           |
| 83 | <b>12H15- 12H20</b> | T3 P EL 224 | MAKHLOUFI ALI           | Multiscale Modeling Of Moisture Diffusion In Polymer/Clay Nanocomposites                                                                                                             |
| 84 | <b>12H20- 12H25</b> | T1 P EL 28  | KARKOURI ILHAM          | Computational Approaches to Screening Plant Phytochemicals: Molecular Docking, ADME Prediction, and Experimental Correlation: A Literature-Based Review                              |
| 85 | <b>12H25- 12H30</b> | T4 P EL 122 | SADOK Zeyneb            | Valorisation of Alfalfa Sprouts as a Source of Antioxidant and Anti-Inflammatory Bioactive Compounds                                                                                 |
| 86 | <b>12H35- 12H40</b> | T4 P EL 280 | LAKHDARI Chafika        | Green drying strategies and IA driven modeling for the valorization of capparid Spinoza buds as functional ingredients                                                               |







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