

2nd Study day on applied chemistry and environmental engineering - SDACEE-2025

Wednesday April, 09, 2025

(In the mediatech "Laid Bissi" adjacent to the technological hall)



GLOBAL PROGRAM OF THE DAY

Time	Session
8 : 00 – 8 : 30	Welcoming guests and registration
8 : 30 – 9 : 00	Opening ceremony
9 : 00 – 10 : 00	<u>Plenary conference 1</u> Dr. Belkhalifa Hakim (CRAPC Ouargla)
10 : 00 – 11 : 00	<u>Plenary conference 2</u> Dr. Rania Zamouche-Zerdazi (Univ Constantine 3)
11 : 00 – 11 : 30	Poster section / coffee break
11 : 30 – 12 : 30	Section of oral presentation
12 : 30 – 13 : 00	Closing ceremony

SCHEDULE OF PLENARY CONFERENCES

Plenary conference 1 and 2 (Time : 9:00 – 11:00)

Manager: Pr. Ammar Zobeidi, *University of El-Oued.*

Jury 1: Pr. Lanez Touhami, *University of El-Oued.*

Jury 2: Pr. Ouahrani Med Ridha, *University of El-Oued.*

Jury 3: Pr. Benchikha Naima, *University of El-Oued.*

Jury 4: Pr. Khelef Abdelhamid, *University of El-Oued.*

Plenary Conference	Speaker	Title
1	Dr. Belkhalifa Hakim (CRAPC Ouargla)	Extraction des composés photochromiques: méthodes, analyses et applications.
2	Dr. Rania Zamouche-Zerdazi (Univ Constantine 3)	Traitement des pollutions émergentes : évolution des procédés d'épuration.

SCHEDULE OF ORAL SECTION

(Time : 11:30 – 12:30)

Manager: Dr. Naghmouche Nacer Salah, *University of El-Oued*.

Jury 1: Pr. Rebiai Abdelkrim, *University of El-Oued*.

Jury 2: Pr. Ahmadi Ridha, *University of El-Oued*.

Jury 3: Dr. Belkhalfa Hakim, *(CRAPC Ouargla)*.

Jury 4: Dr Rania Zamouche-Zerdazi, *(University of Constantine 3)*.

Time	Author	Title of communication Co-authors
11:30 – 11:45	Chouaib Labiod	Understanding AI: Tools, Models and their Integration into Environmental Monitoring and Management
11:45 – 12:00	Krid Adel	Targeting the “undruggable”: from in silico and computer drug discovery to hope.
12:00 – 12:15	Lanez Elhafnaoui	Integrated Phytochemical Characterization and Multi-Scale Investigation of an Essential Oil for Anti-Alzheimer Potential: In Vivo, In Vitro, and In Silico Approaches. BENAMOR Mohmmmed Larbi, Housseyn CHAOUA, LANEZ Touhami
12:15 – 12:30	Abdelhak Maghchiche	From Agricultural Waste to Nanosilica: Innovative Adsorbents for Environmental Remediation Fatima Zohra Benregga

SCHEDULE OF POSTER SECTION

(Time : 11:00 – 11:30)

Managers: Pr. Atia Djamel, *University of El-Oued.*

Dr. Abadi Abderrazak, *University of El-Oued.*

<u>Topic 1 - Chemical depollution and environmental protection</u> Jury 1: Pr. Terki Belkacem, <i>University of El-Oued.</i> Jury 2: Dr. Haddad Larbi, <i>University of El-Oued.</i> Jury 3: Dr. Mesbahi Med Adel, <i>University of El-Oued.</i> Jury 4: Dr. Haouat Ammar, <i>University of El-Oued.</i>		
CODE	Author	Title of communication Co-authors
T1.P1	Abdelkader Kessal	Modification Of Agricultural Wastes To Improve Adsorption Capacities For Copper Ions Removal From Aqueous Solutions Asma Nouioua, Ammar Fadel
T1.P2	Asma Mehellou and Chikha Belgacem Farah	Adsorption of Pollutants Using Activated Biochar from Olive stones: Isotherm, Kinetics, and Thermodynamics Study Djamel Atia
T1.P3	Atia Assia and Hezla Safa	Treatment of salty and organically polluted water by electrodialysis combined with electro-Fenton process Ahmed Mehellou, Adel Aitbara and Rachid Delimi
T1.P4	Hafidha Terea	The evaluation of Antimicrobial activity and Adsorption of MB dye on Cellulose and Cellulose/ZnO nanoparticles from peanut and pea shells. Abdelkrim Rebiai and Djamel Selloum
T1.P5	Billel Zahaf	Eco-Friendly Synthesis and Characterization of Magnetic Iron Oxide Nanoparticles for Radium Removal Mohamed C. Makhloufi and Issam Bouyahiaoui
T1.P6	BRELLA Djouhaina	Integrating Pollution Indices and Health Risk Assessment for Drinking and Irrigation Suitability of Groundwater in Guelma, Algeria BELKHIRI Lazhar, TIRI Ammar, SALHI Hichem, ELHADJ LAKOUAS Fatma
T1.P7	Ikram Hanafi and Meriem Messaoudi	Waste Gypsum Plasterboard as a Sustainable Adsorbent for Congo Red Dye Removal Mohammed Sadok MAHBOUB
T1.P8	Kaddour Zineb	The efficient of El Dhamrane in Turbidity, Phosphate and BOD removal from wastewater Oucif Khaled Mohammed Tayeb
T1.P9	Mekideche Chahra Zed and Lachheb Khaoula	Advances in chitosan-based materials as adsorbents for the removal of cationic and anionic dyes: A review Zobeidi Ammar and Mesbahi Mohammed Adel

T1.P10	Mezzar Othmane	Adsorption du Cd par biosorbants Ad Chiffa and Djedid Mebrouk
T1.P11	Sana GOUBI	Sustainable Bioremediation with Endophytic Microorganisms: An Integrated Approach to Phytochemistry and Environmental Protection CHOUIKH Atef and SELMANE Mehdi
T1.P12	Sofiane BENIDIR	Study on the performance of green corrosion inhibitor in protection of API5LX60 in seawater environment Nour El Houda SOBHI, Adel AITBARA and Abdelmadjid HERBADJI
T1.P13	YOUMBAI Souhir	Role of Bacteria in Pesticide Biodegradation: A Sustainable Approach LAICHE Ammar Touhami
T1.P14	Tedjani Yahia Namoussa	Electrochemical Study of a Pesticide Residue in Tomato Crop and Assessment of Its Environmental Impact Djemaa Gaboussa and Nour Elhouda Bekkari
T1.P15	Yazid Mameri	Pharmaceutical Residues in the Aquatic Environment: Challenges and Depollution Strategies Sara Belattar, Nacira Seraghni and Nadra Debbache
T1.P16	Maria Cherfi and Saida Labbi	Green Synthesis of Graphene Oxide via a Modified Hummers' Method and Its Application in Water Treatment: Theoretical Framework Abstract Larbi Haddad

Topic 2 - Pharmaceutical chemistry and drug discovery

Jury 1: Pr. Karassa Aicha, *University of El-Oued*.

Jury 2: Dr. Souyei Belgacem, *University of El-Oued*.

Jury 3: Dr. Bouchagra Samah, *University of El-Oued*.

Jury 4: Dr. Zouari Ahmed Rachida, *University of El-Oued*.

CODE	Author	Title of communication Co-authors
T2.P1	Belgacem Souyei	QSER Study of Half-Wave Oxidation Potential of Indolizines Using Quantum Molecular Descriptors Marria Haroun and Ouïjdane Hriaz Belgacem
T2.P2	Bousbia Salah Nada and Touil Dikra	Synthesis, characterization and antibacterial activity of functionalized Graphene Oxide Nanoparticles with (3-Aminopropyl)triethoxysilane Ahmedi Ridha, Chenna Adala and Mammadi Nardjess
T2.P3	Tarek Benlatreche	SYNTHESIS, BIOLOGICAL EVALUATION AND MOLECULAR DOCKING OF DICHLORIDO(1,10-PHENANTHROLINE-5-AMINE-K₂ N,N')DIPHENYLTIN(IV). H. Merazig
T2.P4	OUADA Meriem and DEBBAR Imane	Theoretical and Computational Exploration of the Energy and Reactivity in Quinoline Molecules and their Derivatives KERASSA Aicha

T2.P5	Benticha Mebarka and Chaia Nadjat	Presentation of Recent Molecular Docking Studies Predicting the Interactions between Macromolecules (BSA, HI, AChE) and Zinc Oxide Nanoparticles (ZnO NPs). Bouchagra Samah
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Topic 3 - Organic synthesis and catalysis

Jury 1: Pr. Dhamchia Mohamed, *University of El-Oued.*

Jury 2: Pr. Bayou Samir, *University of El-Oued.*

Jury 3: Dr. Zidane Mohammed, *University of El-Oued.*

Jury 4: Dr. Debbache Hanane, *University of El-Oued.*

CODE	Author	Title of communication Co-authors
T3.P1	Ahmed Abderrahim Yahiaoui	The Synthesis and Crystal Structure Determination of a Schiff Base Compound, along with DFT Calculations N. GHICHI, D. HANNACHI, A. DJEDOUANI, B. MEZHOUD
T3.P2	Mohammed Adel MESBAHI	Study of Stabilization and Degradation of rigid Poly Vinyl Chloride (uPVC) Abdelkrim REBIAI, Kenza CHETIOUI, Houria KADRI and Ouissam BENNACEUR
T3.P3	ZIGHED Mohammed	Design and Characterization of PEHD-Based Bio-Composites
T3.P4	Douis Aicha and Hassi Aya	Synthesis, FTIR Characterization, and Biological Evaluation of Two Imidazole Derivatives Neghmouche Nacer Salah
T3.P5	Imane Debbar and Meriem Ouada	Preparation of cellulose acetate from palm pollen sheath by chemical treatment Neghmouche Nacer Salah

Topic 4 - Phytochemistry and medicinal plants

Jury 1: Pr. Tamma Nouredine, *University of El-Oued.*

Jury 2: Dr. Namoussa Tedjani Yahia, *University of El-Oued.*

Jury 3: Dr. Tidjani Soukeina, *University of El-Oued.*

Jury 4: Dr. Chihi Soumia, *University of El-Oued.*

CODE	Author	Title of communication Co-authors
T4.P1	Aicha Mouane	Control of the Chickpea Weevil <i>Callosobruchus maculatus</i> F. (Coleoptera: Bruchidae) Using Essential Oils Extracted from the Leaves of <i>Mentha longifolia</i> (L.) L. in the Northern Algerian Sahara M.S. ALAYAT, N.H. MEKHADMI, S. BENDJEDDOU, N.H. LEBSSISSE, K. BEN MEBROUK and Z. KHETTA

T4.P2	BEN ALI Anis	Exploring the potential of Citrullus colocynthis in pain management CHOUIKH Atef
T4.P3	Ferhati Samia and Hiba Chaima	Development of a bandage based on smart moisture and acidity sensors from walnut extract Ayachi Med.Laid, Mesbahi Med Adel and Rebiai AbdelKrim
T4.P4	Hadil BOUDIAF	Green Fabrication and Biological Evaluation of Zinc and Silver Nanoparticles Derived from Dual Medicinal Plants: A Combined ADMET, Docking, and Molecular Dynamics Approach Aya ROUIHA, Serine KEBACHE, Elhafnaoui LANEZ, Mohmmmed Larbi BENAMOR, Ilham BENAMOR, Ouafa BOUDEBIA and Touhami LANEZ
T4.P5	Hadjira Boussouar	Les Plantes Médicinales Utilisées dans le Traitement du Cancer Aicha Mouane et Meriem Henni
T4.P6	Housseyn CHAOUA	Comprehensive Phytochemical Analysis and Multiscale Antioxidant Evaluation of Essential Oils from Two Medicinal Plants: In Vivo, In Vitro, and In Silico Approaches Elhafnaoui LANEZ, Mohmmmed Larbi BENAMOR, Touhami LANEZ
T4.P7	Guediri Imane	Quantitative Study Of Midicinal Plant Of Phenolic Compounds By HPLC
T4.P8	Mohmmmed Larbi BENAMOR	Comparative Phytochemical Analysis and Multimodal Assessment of Essential Oils from Two Medicinal Plants for Antidiabetic Potential: In Vivo, In Vitro, and In Silico Studies Elhafnaoui LANEZ, Housseyn CHAOUA and Touhami LANEZ
T4.P9	Meriem Henni	Phytochemical Analysis and Biological Effectiveness of Tribulus terrestris L Seeds Extracts
T4.P10	Tei Siham	Using Electrochemical Voltammogram Recording and chemometrics for classifying of algerian medicinal plant species Rebiai Abdelkrim, Ben Seghir Bachir and Hafidha Terea
T4.P11	Aya ROUIHA	Exploring Anti-Alzheimer Effects of Herbal Water Extracts: Integrated In Silico, In Vitro, and In Vivo Investigations into Neuroprotection Serine KEBACHE, Hadil BOUDIAF, Elhafnaoui LANEZ, Mohmmmed Larbi BENAMOR, Iham BENAMOR, Ouafa BOUDEBIA and Touhami LANEZ
T4.P12	Serine KEBACHE	Comprehensive Evaluation of Anticancer Activities in Medicinal Plant Extracts from Multiple Solvents: Insights from In Vitro Experiments and Computational Modeling Hadil BOUDIAF, Aya ROUIHA, Elhafnaoui LANEZ, Mohmmmed Larbi BENAMOR, Ilham BENAMOR, Ouafa BOUDEBIA and Touhami LANEZ
T4.P13	Mabrouka Bouafiane	Comparison of chemical composition of Retama reatam leaves grown in different ecosystems
T4.P14	CHIBI Souad	Comparative Study of Methyl Esters Purification Methods from Vegetable Oils: Process Optimization to Improve Final Product Quality