

1st Study day on applied chemistry and environmental engineering - SDACEE-2024

Monday April, 22, 2024

(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 session 1</u> Pr. Delimi Rachid
10 : 00 – 11 : 00	<u>Plenary session 2</u> Pr. Achi Fethi
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 SESSIONS

Plenary session 1 and 2 (Time : 9:00 - 11:00)

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

Jury 1: Pr. Ouahrani Med Ridha, *University of El-Oued.*

Jury 2: Pr. Benchikha Naima, *University of El-Oued.*

Jury 3: Pr. Khelef Abdelhamid, *University of El-Oued.*

Jury 4: Pr. Rebiai Abdelkrim, *University of El-Oued.*



Plenary Session	Speaker	Title
1	Pr. Delimi Rachid (University of Annaba)	Traitement des eaux usées par les procédés d'oxydation avancée électrochimique.
2	Pr. Achi Fethi (University of Ouargla)	Applied nanomaterials chemistry for the detection of cancer biomarkers and pollutants: New strategies and recent applications.

SCHEDULE OF ORAL SECTION

(Time : 11:30 - 12:30)



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

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

Jury 2: Pr. Delimi Rachid, *University of Badji-Mokhtar Annaba.*

Jury 3: Pr. Achi Fethi, *University of Kasdi-Merbah Ouargla.*

Jury 4: Pr. Ahmadi Ridha, *University of El-Oued.*

Time	Author	Title of communication Co-authors
11:30 – 11:45	Mameri Yazid	Photocatalytic Degradation of Eosin Y Induced By Iron Nanoparticles In Heterogeneous Phase. Sarra Belattar, Nadra Debbache, Tahar Sehili
11:45 – 12:00	Lanez Elhafnaoui	In silico ADME, toxicological analysis, molecular docking studies and molecular dynamics simulation of Afzelin with potential antibacterial effects against <i>Staphylococcus aureus</i> . BENAMOR Mohammed Larbi, LANEZ Touhami
12:00 – 12:15	Larbi Haddad	Muscovite clay for methylene blue removal: advanced optimization and AI-guided breakthroughs.
12:15 – 12:30	AITBARA Adel	Elimination d'un colorant alimentaire "Tartrazine" dans les eaux par les procédés électrochimiques. OUCHEN Abdelali, BENDAIA Marwa, HAZOURLI Sabir

SCHEDULE OF POSTER SECTION

(Time : 11:00 – 11:30)



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

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

Topic 1 - Chemical depollution and environmental protection

Jury 1: Dr. Haddad Larbi, *University of El-Oued.*

Jury 2: M. Mesbahi Med Adel, *University of El-Oued.*

Jury 3: M. Haouat Ammar, *University of El-Oued.*

CODE	Author	Title of communication Co-authors
T1.P1	Hadia Hemmami	Effect of ZnO NPs various source on photocatalysis of methylene blue dye. Ilham Ben Amor, Soumeia Zeghou , Mohammed Larbi Ben Amor
T1.P2	Djerouni Said	Exploitation of Organic Waste in Water Treatment. Zeghoud Soumeia, Khaoula Bay , Abdelmalek Zaater
T1.P3	Chibi Souad	Green Energy Gold: Maximizing Biofuel Potential from Used Vegetable Oils.
T1.P4	YOUSFI Mohammed Amin	Numerical Assessment of Soft Soil Reinforcement with Recycled Aggregates in Granular Columns for Pollution Mitigation and Environmental Protection.
T1.P5	Ilham Ben Amor	Photocatalysis of methylene blue dye by ZnO/gelatin nanocomposite. Houssam Eddine Serouti, Choukri Ouaggadi , Dhia Eddine Megeurhi
T1.P6	Kaddour Zineb	Phytoepuration of wastewater by the Saharan plant (Traganum nadatum). Oucif Khaled Mohammed Tayeb
T1.P7	BELAID Fatmi	Risques environnementaux dans le bassin urbain de Saïda, Algérie : Analyse de la pollution des sédiments provenant de l'assainissement urbain en temps de pluie. ABDELKRIM. Hazzab
T1.P8	ZEGHOUD Soumeia	Silica-Based Biofilms in Water Treatment. Hadia Hemmami, KHELAIFA ASMA, NESRAT NARDJES
T1.P9	Ahmed Mehellou	Valorisation d'un Déchet des Palmiers Dattiers dans L'élimination des Colorants des Solutions Aqueuses: Isothermes d'Adsorption, Etudes Cinétiques et Thermodynamiques. Larbi Haddad, Lamia Allat, Zahia Benredjem, Delimi Rachid
T1.P10	Hafidha Terea	Synthesis of cellulose/ZnO nanocomposite from peanut and pea shells and application on the removal of toxic pollutants from aqueous solutions Abdelkrim Rebiai, Djamel Selloum



T1.P11	OUCHENE Abdelali	Application de couplage coagulation, floculation, adsorption et chloration pour élimination du tryptophane organique dans l'eau distillée et l'eau de mer AITBARA Adel, KHELILI Hinda, GUELLAL Messaoud
T1.P12	AITBARA Adel	Physicochemical and microbiological characterization of iron ore treatment sludge from the "Ferphos" complex: Proposals for valorization. HAZOURLI Sabir
T1.P13	Ammar Zobeidi	Equilibrium, Kinetics and Thermodynamics investigations of Illite kaolinite local clay from El Oued- Algeria, removing methyl orange dye from aqueous solutions Djamal Atia, Ahmed Mehellou and Salah Neghmouche Nacer
T1.P14	Atia Djamal	Adsorption of Bezathren red dye onto activated illite clay from aqueous solutions Zobeidi ammar, Besserni rabia
T1.P15	Rabia Besserni	Synthesis of Schiff's base-Chitosan /ZnO composite for effective removal of Congo Red dye Djamal Atia, Abdelkrim Rebiai

Topic 2 - Pharmaceutical chemistry and drug discovery

Jury 1: Dr. Soyei Belgacem, *University of El-Oued.*

Jury 2: Dr. Bouchagra Samah, *University of El-Oued.*

Jury 3: Dr. Karassa Aicha, *University of El-Oued.*

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

CODE	Author	Title of communication Co-authors
T2.P1	Abir FOUHMA	Chemical Composition, FT-IR-analysis and antibacterial activité of a medicinal plant extract belong to the Cistaceae family Noureddine TAMMA, Abdelkrim REBIAI
T2.P2	Belgacem Souyei	In silico prediction of ADME properties of as17 β -HSD3 inhibitors molecules Noureddine Kerttiou, Abderrahmane Khechekhouche
T2.P3	Nour-El Houda Derki	Computer-Aided Strategy on 5-(Substituted Benzylidene) Thiazolidine-2,4-Diones to Develop New and Potent PTP1B Inhibitors: QSAR Modeling, Molecular Docking and ADMET Aicha Kerassa
T2.P4	N. Mammadi	Synthesis, Characterization, Antioxidant and Anti-inflammatory Activities of Functionalized Graphene Oxide Nanoparticles with 2-(Ferrocenylmethylamino)Benzonitrile R. Ahmedi, A. Chenna



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	Benali Belgharri	Synthesis of FePO ₄ modify by Nickel, and their application in organic synthesis. Berrichi Amina, Abbou Sarah, Hamiani Zohra, Bachir Redouane
T3.P2	Ahmed abderrahim Yahiaoui	The synthesis and crystal structure determination of tetrahydrobenzo [b] pyran derivatives, along with DFT calculations Ghichi Nadir, Douniazed Hannachi, Amel Djedouani
T3.P3	Fath Eddine Boukhallout	Synthèse et caractérisation des composés hétérocycliques et évaluation de leurs activités biologiques Mohamed Dehamchia, Samir Bayou

Topic 4 - Phytochemistry and medicinal plants

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

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

CODE	Author	Title of communication Co-authors
T4.P1	Kamilia Bireche	Acetylcholine inhibitory activities of flavonoid derivatives isolated from Pulicaria: in vitro and in silico studies. Asma Abid, Sara Hasni, Hamada Haba, Dendougui Hocine
T4.P2	Tamma Nouredine	Chemical composition and biological properties of Origanum Majorana L. plants growing in Oued Souf: Comparative and analytical study.
T4.P3	Tei Siham	Differentiating Algerian Medicinal Plant Species via Classification by Electrochemical Voltammogram Recording. Rebiai Abdelkrim , Hemmami Hadia ,Ben Seghir Bachir ,Zeghoud Soumeia
T4.P4	Mouane Aicha	Effet insecticide de l'huile essentielle de Thymus serpyllum L. à l'égard du bioagresseur Tribolium castaneum des denrées stockées. Khetta Zineb, Ben Mebrouk Khaoula, Alayat Moufida Saoucen, Chenna Adala

T4.P5	Yahia Nakkab	Extraction and assessment of total flavonoid levels in a Fabaceae family species native to the Algerian Aurès zone. Hamza Fadel, Khaled Sekkoum, Hichem Hazmoune, Salah Akkal, Nasser Belboukhari
T4.P6	BENAMOR Mohammed Larbi	Investigation of Essential Oil Extraction, GC/MS Evaluation, and Assessment of Antioxidant Properties in Two Medicinal Plant Species Indigenous to Southern Algeria. LANEZ Elhafnaoui, LANEZ Touhami
T4.P7	Maroua Derki	Green Synthesis of zinc oxide Nanoparticles Using extracts a plants Solenostemma Argel and Anastatica Hierochuntica: characterization and Application Soukaina Tidjani, Mohammed laïd Tedjani
T4.P8	Abadi Abderrezzak	Assessment of Antibacterial and Antifungal Activities of Neem (<i>Azadirachta indica</i>) Leaf Extracts in the El Oued Region. Wassima Lakhdari, Neghmouche Nacer Salah, Abderrahmene Dehliz, Hafida Khelafi
T4.P9	Salah Neghmouche Nacer	Exploring the Phytochemical Profile and Antioxidant Potential of Haloxylon articulatum Extract Lakhdari Wassima, Abadi Abderrezzak, Hakim Bachir, Abderrahmene Dehliz, Hamida Hammi.

