



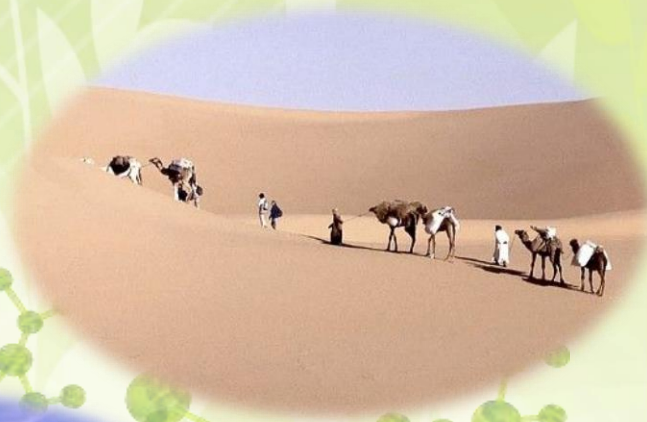
**UNIVERSITY OF ECHAHID HAMMA LAKHDAR, EL-OUED**  
**FACULTY OF EXACT SCIENCES**  
**CHEMISTRY DEPARTMENT**



**The first international Seminar on Catalysis, Chemical  
Engineering & Green Chemistry  
CaCEG-2023**

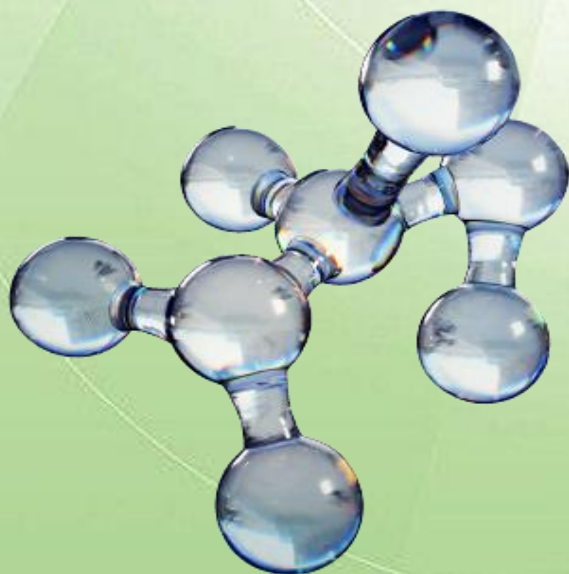
**February 22-23, 2023 – El Oued, Algeria**

**PROGRAM**

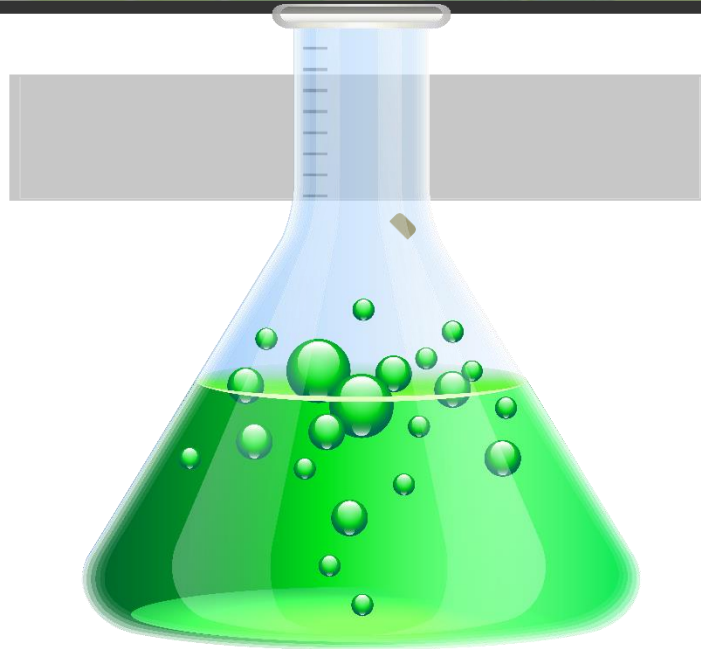


# TOPICS

- Organometallic Chemistry and Catalysis
- Photochemistry, Photobiology and Electrochemistry
- Catalysis and the Environment
- Reaction Chemistry and Engineering
- Biodiversity







# CONFERENCES ROOM



08h00 – 08h30 : Reception of participants.

08h30 – 09h00 : Opening remarks:

Dr. Neghmouche Nacer Salah, President of the seminar.

Pr. Abdelouaheb Mensour, Dean of the Faculty of Exact Sciences.

Pr. Omar Ferhati, Rector of the University of El-Oued.

**SESSION CHAIRS:** Pr. LANEZ Touhami, Pr. BARHMIA Ouarda  
Pr. OUAHRANI Mohemmed Ridha. Pr. MOUSSAOUI Younes. Pr. BENCHIKHA Naima

## PLENARY CONFERENCE

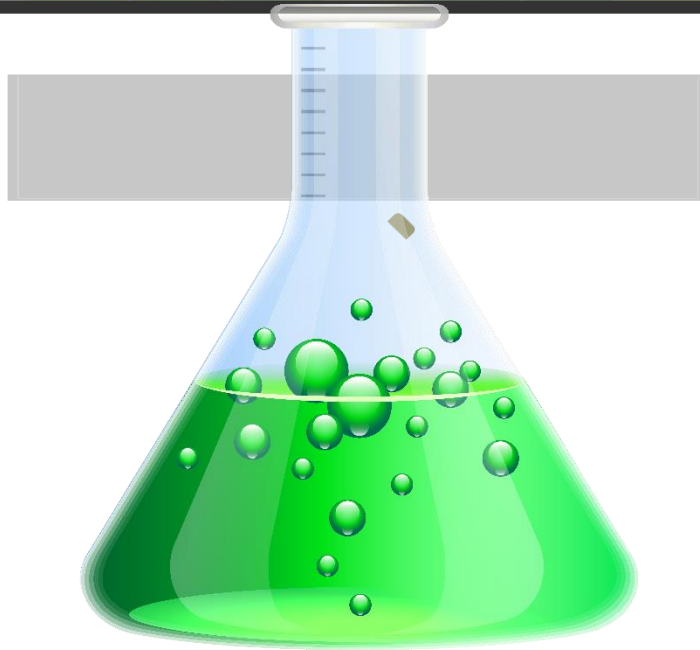
**NHC Gold(I) POM hybrids: efficient and versatile catalysts**  
Dr. Pierre de Fremont, university of Strasbourg (France)

## 09h30 – 10h00 COFFEE BREAK POSTERS

**SESSION CHAIRS:** Pr. BEN SALEM RIDHA, Pr. BARHMIA Ouarda  
Pr. LOUAFI Fadila , Dr. Pierre de Fremont

CODE	Author E.mail	TITLE of communication Co-authors	Time
OR-002	Bouremmad Farida	Al-pillared montmorillonite as effective heterogeneous catalyst for the synthesis of dihydropyrimidinone in solvent and under solvent free conditions	10h:00
	bouremmad_farida@yahoo.com	<i>Bouchenka Lamia</i>	10h:15
OR-003	Bedjou Fatiha	Effects of the combination of natural extracts on their antioxidant activity	10h:15
	fatihabedjou2015@gmail.com	<i>BousbaNesrine , Hadji Kenza</i>	10h:30
OR-018	Kheira Haiouani	Synthesis of functionalized furans via palladium-catalyzed one-pot reaction of 1,3-dicarbonyl compounds with alkyl halides	10h:30
	kirahaiouani@yahoo.fr	<i>Amar Djemoui and DjamiladJemoui</i>	10h:45
OR-024	Lanez Elhafnaoui	In Vitro and In Silico Evaluation of N6,9-bis(ferrocenylmethyl)adenine as an Anticancer Drug	10h:45
	lanez-elhafnaoui@univ-eloued.dz	<i>LanezTouhami</i>	11h:00
OR-005	Lekbir Adel	Evolution of Phenolic Compounds During Maturation of the Deglet-Nour Variety	11h:00
	adel.lekbir@univ-batna.dz	<i>Noui Yassine</i>	11h:15
OR-016	Bougheloum Chafika	Ultrasound promoted green synthesis under Cs5HP2W18O62 catalysis of a series of N-cyclic imides substituted benzenesulfonamide	11h:15
	c_bougheloum@yahoo.fr	<i>BelghicheRobila and MessalhiAbdelrani</i>	11h:30
OR-007	Belkada Rachid	Molecular Design Based on ab-initio Calculations of an Organic Molecule for Corrosion Protection	11h:30
	rachidudts@gmail.com	<i>Hadj Said Ikram, TibiguiRahma , and Hammoutene Dalila</i>	11h:45
OR-008	Kallel Imen	In vitro potential anticancer activity against HeLa and MCF-7 cancer cells lines and lipid peroxidation effect of GC-MS compounds of Punica granatum peel essential oil	11h:45
	kallel1imen@yahoo.fr	<i>El-Aguel Asma, GargouriBochra, Ben-Amor Ichrak, Gargouri Ahmed and Bayouhd Ahmed</i>	12h:00





**SESSION CHAIRS:** Pr. AMMAR Houcine, Pr. GHAMAM Amara, Pr. RIGANE Ghayth

CODE	Author E.mail	TITLE of communication Co-authors	Time
OR-009	Gargouri Bochra <a href="mailto:bochragargouri@yahoo.fr">bochragargouri@yahoo.fr</a>	The effect of Citrus Paradisi Essential Oil in HeLa and MCF-7 tumor cells <i>Ben Amor Ichrak and Attia Hammadi</i>	14h:00 14h:15
	Touati Naima <a href="mailto:naima.touati@univ-bejaia.dz">naima.touati@univ-bejaia.dz</a>	Antibacterial activity of Pulicariaodora extracts <i>Saidani Karima, HammicheHayet, Ouazene Naima and BedjouFatiha</i>	14h:15 14h:30
OR-011	Djemoui Amar <a href="mailto:djamarchimie@gmail.com">djamarchimie@gmail.com</a>	Electrochemical experiments and superoxide anion scavenging assays were used to examine the antioxidant capacity of Moringa Oleifera flowers collected from the Algerian Sahara. <i>Djemoui Djamila, Souli Lahcene, HaiouaniKheira, Souadia Ahmed</i>	14h:30 14h:45
	Ben Mansour Riadh <a href="mailto:riadh.benmansour@fss.usf.tn">riadh.benmansour@fss.usf.tn</a>	Neutrophil Extracellular Traps (NETs) modulation using natural bioactive compounds <i>GargouriBochra, BouazizMohamed, LassouedSaloua</i>	14h:45 15h:00
OR-013	Benabdelaziz Imane <a href="mailto:i.benabdelaziz@yahoo.fr">i.benabdelaziz@yahoo.fr</a>	Lignans from n-butanol extract of aerial parts of helianthemum sessiliflorum <i>HabaHamada, Benkhaled Mohammed, Catherine Lavaud, Dominique Harakat, Laurence Marcourt, Jean-Luc Wolfender</i>	15h:00 15h:15
	Bencheikh Wahiba <a href="mailto:matmatidz@gmail.com">matmatidz@gmail.com</a>	Comparison of the inhibitory effect of three water on the oxalo-calcic crystallization in vitro study <i>Bensatal Ahmed</i>	15h:15 15h:30
OR-015	Bensatal Ahmed <a href="mailto:matmatidz@gmail.com">matmatidz@gmail.com</a>	In vitro inhibition of urolithiasis by secondary metabolites extracted from Quercus ilex leaves <i>Zaimini Amira Nawal, KhatimHouria, BrikiNadjwaHouda, Hebbal ChamesElwafa</i>	15h:30 15h:45
	OR-001	Boulal Ahmed <a href="mailto:ahm.boulal@univ-adrar.edu.dz">ahm.boulal@univ-adrar.edu.dz</a>	Study of the conversion of fermentable sugar from Balanites aegyptiaca fruits into bioethanol <i>Hadri Kamel</i>

**16h00 – 16h30 COFFEE BREAK  
POSTERS**





**SESSION CHAIRS:** Dr. Pierre de Fremont Pr. MAJDOUB Hatem, Pr. BEN JANNET Hichem

CODE	Author E.mail	TITLE of communication Co-authors	Time
OR-017	Chaher-Bazizi Nassima <a href="mailto:nassima.chaher@univ-bejaia.dz">nassima.chaher@univ-bejaia.dz</a>	Study of biological activities and identification of bioactive substances extracts of a medicinal plant: Galiummollugo <i>Tristan RICHARD, Naima SAIDENE, Stéphanie KRISA, Radia KADI, Stéphanie CLUZET, Jean-Michel MERILLON and Djebbar ATMANI</i>	14h:00 14h:15
	Maaalem Badreddine <a href="mailto:bmaalem@gmail.com">bmaalem@gmail.com</a>	Black Cumin Cake extract as an eco-friendly Corrosion Inhibitor on A9M Ordinary Steel in 0.5M H2SO4 <i>Sihem Abderrahmane and Kamilia Moussaoui</i>	14h:15 14h:30
OR-019	Zaaboubi Siham <a href="mailto:siham.zaaboubi@univ-batna.dz">siham.zaaboubi@univ-batna.dz</a>	Effects of plowing tools on the yield of a durum wheat crop after having their effect on the properties of the soil (region of Timgad Batna). <i>Brahim mène and Belloula Salima</i>	14h:30 14h:45
	Kazanelmen <a href="mailto:kazanelmen@univ-jijel.dz">kazanelmen@univ-jijel.dz</a>	Sensitive detection of bisphenol A in water, based on an electrochemical aptasensor <i>Karine Gorgy, Chantal Gondran, Nicolas Spinelli, Ali Zazoua, E. Defranca, Serge Cosnier</i>	14h:45 15h:00
OR-021	Kherkhache Hayat <a href="mailto:hayat2079@yahoo.fr">hayat2079@yahoo.fr</a>	A new indole alkaloid of crude extracts from <i>Saccocalyx satureioides</i> <i>Imane Ben Abdelaziz, Artur Manuel Soares Silva, Mokhtar Boualem Lahrech, Mokhtar Benalia and Hamada Haba</i>	15h:00 15h:15
	Khier Chahinez <a href="mailto:khier.chahinez@gmail.com">khier.chahinez@gmail.com</a>	The clean and efficient alumina supported nickel as catalyst for one pot Biginelli reaction <i>Tassadit Mazari</i>	15h:15 15h:30
OR-023	Khrouani Adel <a href="mailto:adel.khrouani@univ-batna.dz">adel.khrouani@univ-batna.dz</a>	Treatment of water polluted by methylene blue using the method of adsorption by activated carbon prepared from the nucleus of the olive //	15h:30 15h:45
	Brahimi Abdelkarim <a href="mailto:ak.brahimi72@gmail.com">ak.brahimi72@gmail.com</a>	Adsorption of strontium (II) ions from aqueous solution by bottom ash of expired drug incineration: Parametric, kinetics and thermodynamic studies <i>Boucherit Nabila, Ouanezar Abdelkader, Lamouri Rahima, Kaci Nabila</i>	15h:45 16h:00

**16h00 – 16h30 COFFEE BREAK  
POSTERS**



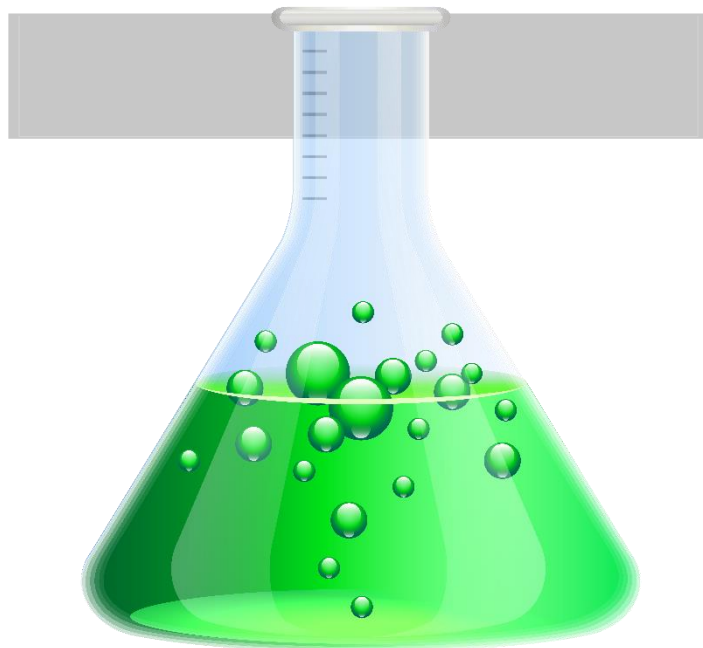
**SESSION CHAIRS:** Pr. HAMMAMI Saoussen, Pr. BENCHIKHA Naima, Pr. MOUSSAOUI Younes

CODE	Author E.mail	TITLE of communication Co-authors	Time
OR-025	Mansouri Narimene <a href="mailto:n.mansouri@univ-eltarf.dz">n.mansouri@univ-eltarf.dz</a>	Essential Oils Extracted from Algerian Highlands Medicinal and Aromatic Plants: Yields, Organoleptic Qualities, Chemical Composition and Antibacterial Activities against E.coli ATCC 25922 and Pseudomonas aeruginosa ATCC 27853 <i>Aoun Leila, Dalichaouche Nabila, Hadri Douniazed, Gueriche Achouak and Khaouini Nadir</i>	14h:00 14h:15
	Nouioua Wafa <a href="mailto:nouioua.wafa@yahoo.fr">nouioua.wafa@yahoo.fr</a>	Analysis of Floristic Biodiversity of the Afghan Djebel Cedar Grove <i>Gaamoune Sofiane</i>	14h:15 14h:30
OR-027	Rechek Habiba <a href="mailto:habiba.rec@gmail.com">habiba.rec@gmail.com</a>	Cytotoxic activity and phenolic composition of two different organs of Arum Italicum Miller <i>Ammar Haouat</i>	14h:30 14h:45
	Roguai Sabrina <a href="mailto:r.sabrina@univ-khenchela.dz">r.sabrina@univ-khenchela.dz</a>	Synthesis of CuONPs for Photocatalytic Applications <i>Abdelkader Djelloul</i>	14h:45 15h:00
OR-029	Rouahna Nouredine <a href="mailto:rouahna2003@yahoo.fr">rouahna2003@yahoo.fr</a>	Adsorption of 2,4-dichlorophenol on Mg <sub>2</sub> -Al Lamellar double hydroxide Kinetic and thermodynamic study. <i>Abdelkader Ouakouak, Mariem Merah, Nassira Ammari</i>	15h:00 15h:15
	Sadaoui-Smadhi Nesrine <a href="mailto:n.sadaoui@univ-boumerdes.dz">n.sadaoui@univ-boumerdes.dz</a>	GC-MS, antiurease and anticholinesterase potentials of essential oil of Origanum Compactum Benth. Collected in Algeria (Guelma) <i>Ali Debbi, Chawki Bensuoici, Ibrahim BELHI, Souheyla TOUBAL, Narimen BENHABYLES, Siham AKMOUSSI-TOUMI and Souad KHEMILI-TALBI</i>	15h:15 15h:30
OR-031	Saila Abdelkader <a href="mailto:abksaila@yahoo.fr">abksaila@yahoo.fr</a>	Modeling of theoretical voltammograms of the electroreduction of metallic ions. Application to molten salt systems //	15h:30 15h:45
	Noui Yassine <a href="mailto:noui.yassine@gmail.com">noui.yassine@gmail.com</a>	Antioxidants Activities of Extracts of White Wormwood (Artemisia herba alba) <i>DJAIT Nour and SAADA Naima</i>	15h:45 16h:00

**16h00 – 16h30 COFFEE BREAK  
POSTERS**







# CONFERENCES ROOM



**SESSION CHAIRS:** Pr. BARHMIA Ouarda, Dr.Pierre de Fremont, Pr. BEN SALEM Ridha

## PLENARY CONFERENCE

**Novel Sulfonamide derivatives: Efficient Synthesis, biological activity, molecular docking, POM analyses and identification of pharmacophores sites**  
Pr. Malika Berredjem, Badji Mokhtar–Annaba University(Algeria)

CODE	Author E.mail	TITLE of communication Co-authors	Time
OR-033	Brahim Imene	Systemic immunity in apple is activated by the deployment of sugar against codling moth ( <i>Cydia pomonella</i> L.) in semi-arid region (Batna, Algeria)	08h:30
	<a href="mailto:imene.brahim@univ-batna.dz">imene.brahim@univ-batna.dz</a>	<i>ZAABOUBI Siham and BELLOULA Salima</i>	08h:45
OR-034	Ben Mabrouk Sameh	Optimization of process parameter for alpha-amylase produced by newly isolated <i>Bacillus</i> strain using statistical methodology	08h:45
	<a href="mailto:benm_sameh@yahoo.fr">benm_sameh@yahoo.fr</a>	<i>Bouthaina Ben HadjHmida and Adel Sayari</i>	09h:00
OR-035	Alhmadi Hekmat	Chemical composition and enzyme inhibitory activities of <i>Glycyrrhiza glabra</i> L. growing in Iraq	09h:00
	<a href="mailto:hb-alhmadi@wiu.edu">hb-alhmadi@wiu.edu</a>	<i>Amal Romdhani, SiwarMajdoub,HatemDhaouadi, GokhanZengin and SaoussenHammami</i>	09h:15
OR-036	Djebbari Radja	Evaluation of bioactive contents, antioxidant and anti-proliferative activities of acetate extract of <i>Fagonialongispina</i>	09h:15
	<a href="mailto:ra.djebbari@univ-batna2.dz">ra.djebbari@univ-batna2.dz</a>	<i>SoumiaLassed, Amina Maya Lahneche, OuidadeOurzzedine, FadilaBenayache, Samir Benayache and Djamilia Zama</i>	09h:30
OR-037	Aichouna Roufida	Synthesis of some derivatives of 3,4-dihydropyrimidin-(1H)-ones bearing urea residues	09h:30
	<a href="mailto:jjjiicho@gmail.com">jjjiicho@gmail.com</a>	<i>HABILA Tahir, HAROUCHE Kamel, KHELILI Smail</i>	09h:45
OR-038	Arbia Yassamina	A DFT and molecular docking investigation of new Au (III) and Fe (III) based complexes as Anti-cancers.	09h:45
	<a href="mailto:yarbia@usthb.dz">yarbia@usthb.dz</a>	<i>Soraya ABTOUCHE, Mohamed DAHMANE and Meziane BRAHIMI</i>	10h:00

**10h00 – 10h30 COFFEE BREAK  
POSTERS**



# CONFERENCES ROOM



**SESSION CHAIRS:** Pr. BARHMIA Ouarda, Pr. Louafi Fadila, Pr. RIGANE Gaith

CODE	Author E.mail	TITLE of communication Co-authors	Time
OR-039	Zegheb Nadjiba	In vitro and in silico study of N-(ferrocenylmethyl)-N-acetyl-3-aminobenzonitrile derivatives as anti-proliferative agents against breast cancer cells.	10h:30
	zegheb-nadjiba@univ-eloued.dz	Aicha ADAIKA, Touhami LANEZ, Tuba TüylüKüçükKılınç	10h:45
OR-040	Bambra Moussa Abderrazak	Preliminary analysis of the chemical composition of a hydrau-acetone extract of Algerian propolis	10h:45
	moussaabdrrazak.bambra@univ-biskra.dz	BOUATROUS Yamina and GHORBAL Imene	11h:00
OR-041	Youbi Asma	Study of the influence of temperature on the inhibitory effect of Borago officinalis against the corrosion of an mild steel	11h:00
	asmahamoud8@gmail.com	ABDERRAHMANE Sihem, MESSAST Sarah, MOUSSAOUI Kamilia	11h:15
OR-042	Iazzourene Ghania	Determination of metals carried by TSPs in a suburban site of Algiers by nuclear techniques	11h:15
	g.iazzourene@univ-bouira.dz	Hamioud Leila	11h:30
OR-043	Adaika Aicha	Study of the inhibitory activity of some organometallic compounds of the enzyme alpha amylase by in vitro and in silico approach	11h:30
	adaikaicha@gmail.com	ZEGHEB nadjiba , LANEZ Touhami	11h:45

## CLOTURE SEREMONY

# Excursion





# POSTER SESSIONS

22/02/2023

**SESSION 01:**09h30 – 10h00

**SESSION 02:**16h00 – 16h30

23/02/2023

**SESSION 03:**10h00 – 10h30



### JURY 01

Dr. TAMMA Nouredine (Président)  
Dr. MEHELLOU Ahmed  
Dr. DEBBECHE Hanane  
Pr. GHAMAM AMARA Djilani  
Dr. Zeghoud laid  
Pr. Ridha ben salem

P001	Abdelghani Madani
P002	Abdelrani Messalhi
P003	Abdelsadok Imane
P004	Abderraouf Seddik
P005	Hadj Daoud Bouras
P006	Fadila Djouadi-Belkada
P007	Adeida Lina
P008	Ahmed Laloui Hamza
P009	Ahmed Moussa
P010	Akroum Hamza
P011	Akroum-Amrouche Dahbia
P012	Tounsi Hanane
P013	Amar Djemoui
P014	Attar Alaeddine
P015	Bekhedda Kheira
P016	Belferdi Fatiha
P017	Belgherbi Ouafia
P018	Belkhir Somia
P019	Ben Amor Asma
P020	Ben Amor Ilham
P022	Bouthaina Ben Hadjmida
P023	Benaissa Asma
P024	Benamirouche Ouissem
P025	Benaouida Mohamed Amine
P026	Benazzouz Kinza
P027	Bendia Sabrina
P028	Benoumena Hala
P029	Benrejdal Fazia

### JURY 02

Pr. AHMADI Redha (Président)  
Dr. KERASSA Aicha  
Pr. BAYOU Samir  
Dr. CHEMSA Ahmed Elkhalfa  
Dr. ABADI Abderrazzak  
Dr. SEROUTI Abdelghani

P030	Bensafiddine Feriha
P031	Bettioui Fatima Zohra
P032	Bouaoune Ahmed
P033	Bouchachoua Leyla
P034	Bouchagra Samah
P035	Boudghene Stambouli Ghizlene
P036	Sabah DJABER
P037	meriem boussaker
P038	Boulaares Islam
P039	Bouldiab Yasmina
P040	Boussafi Karima
P041	Brahimi Abdelkarim
P042	Chemmam Dounya Achwak
P043	Cherfi Inasse
P044	RANIA BAHADI
P045	Cherrada Nezar
P046	Chetehouna Sara
P047	Chikhoun Amirouche
P135	Ounis Amina
P049	Dahnoun Kheira
P050	Debbah Karima
P051	Dehmchi Farouk
P052	Dekir Ali
P053	Henda Daoudi
P054	Aicha Mouane
P055	Fouatih Souhila
P080	Kebaili Asmaa
P125	Yousfi Fatima Zohra

### JURY 01

Dr. SEROUTI Abdelghani(Président)  
Dr. SOUYI Belgacem  
Dr. Zeghoud laid  
Dr. Senigra moussa  
Dr. BEGGAS Azzedine  
Dr. TAMMA Noureddine

P056	Abdelali GHERBIA
P057	Moalla Rekik Dorsaf
P058	Elkolli Meriem
P059	Haddad Habiba
P060	Kadri Mounira
P061	Mehri Mouna
P062	Rekik Mohamed Ali
P063	Ghanem Kenza
P064	Gheraissa Noura
P065	Ghichi Nadir
P066	Ghodbane Racha
P067	Djafarou Roumeissa
P068	Djamila Djemoui
P069	El Ouchdi Mohammed Said
P070	Guerram Abdelmadjid
P071	Hachouf Maram
P072	Hacine Gherbi Ahlam
P073	Haddag Hamza
P074	Hamida Khadidja
P075	Hamrani Ouiza
P076	Hayahem Sakina
P077	Hazhazi Halima
P078	Houari Fatima Zohra

### JURY 02

Dr. KERASSA Aicha(Présidente)  
Dr.ZOUARI AHMED Rachida  
Pr. DEHAMCHIA Mohamed  
Pr. MOUSSAOUI Younes  
Pr. BARHMIA Ouarda  
Pr. LOUAFI Fadila

P079	Kahina Belbachir
P081	Keciba Amina
P082	Kerkour Rachida
P083	Khammar Rachida
P084	Khaoula Alia
P085	Kheffache Ouzna
P086	Kheiredine Bani
P087	Kherief Yahia
P088	Kherraz Khaled
P089	Khier Nawal
P090	Kir Iman
P091	Kouadri Imane
P092	Laib Ibtissam
P093	Lamiri Leila
P094	Lamraoui Hamoudi
P095	Lasmi Faouzi
P096	Lemoui Redouane
P097	Mahcene Salem
P098	Mahdi Roufaida
P099	Malika Tassoult
P100	Khalil Guelifet
P101	Mansouri Achraf
P102	Merzouk Hafida



JURY

Dr. CHEMSA Ahmed Elkhalfi (Président)  
Dr. KERASSA Aicha  
Pr. BAYOU Samir  
Dr. Dahbia AKROUM-AMROUCHE  
Dr. ABADI Abderrazzak

P103	Merzouki Soraya
P104	Messaoudi Hassiba
P105	Yamina Bentarzi
P106	Mili Abdelhamid
P107	Milles Hamza
P108	Mouna Mekersi
P109	Mounir Nacer
P110	Ouahida Dia
P111	Rahal Foudil
P112	Rahmani Salah-Eddine
P113	Redjemia Rayenne
P114	Reghioua Abdallah
P115	Rouiha Zohra
P116	Said Khemais
P117	Saoudel Abdelmalek
P118	Segueni Khaoula

P119	BADAoui Kawther
P120	Slyemi Samira
P121	Hadia Hemmami
P122	Bassa Nora
P123	Terea Hafidha
P124	Djafarou Roumeissa
P126	Zaak Hadjer
P127	Yacine BOURAS
P128	Mokhtar Benmohamed
P129	Lachibi Farid
P130	Messaoudi Mohammed
P131	Ikerroud Dalila
P132	DJELLOULI Soumia
P133	Sabiha CHOUCANE
P134	CHIBI Souaad
P048	Chorfi Zineb