



People's Democratic Republic of Algeria  
Ministry of Higher Education and Scientific Research  
University of Echahid Hamma Lakhdar, El-Oued



Faculty of Exacts Sciences

The first national Seminar on Green Chemistry and Natural Products (GCNP'22)

## CERTIFICATE OF PARTICIPATION

This Certifies That

**Boukhari Ammar**

Presented a **poster** communication at the First national Seminar on Green Chemistry and Natural Products (GCNP'22), organized from **March 14-15, 2022** at the University of Echahid Hamma Lakhdar, El-Oued, entitled:

**Structural, electronic, optical and elastic properties of pure ZnO material using first-principles calculation**

**Co-author (s): Amari Rabie , Benrezgua Elhadj , Deghfel Bahri**

GCNP'22 Chairman

Dr. Ammar ZOBEDI





# The first National Seminar on Green Chemistry and Natural Products “NGCNP2022”

March 14 - 15, 2022

University of Echahid Hamma Lakhdar -El Oued, Algeria



## Structural, electronic, optical and elastic properties of pure ZnO material using first-principles calculation

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### Abstract

The first-principles method based on DFT with semiempirical Hubbard U scheme was applied to calculate the structural, elastic, electronic, and optical properties of ZnO wurtzite material. The effective Hubbard U values of 5.5 eV and 8 eV were used for Zn 3d and O 2p states, respectively. Electronic band structures and their corresponding total and partial density of states diagram were calculated. The optimized lattice parameters were  $a=b= 3,234 \text{ \AA}$  and  $c= 5,201 \text{ \AA}$ . The elastic stiffness constants of ZnO crystals were estimated from the optimized structure. The obtained band gap was found 3.38 eV. The frequency-dependent complex dielectric function, absorption coefficient, refractive index, extinction coefficient, reflectivity and electron energy loss function spectra were also calculated and discussed.

**Keywords:** ZnO, DFT+U, Structural parameters, Electronic properties, optical spectra.

### References

- [1] J.P. Perdew, Y.Wang “Accurate and simple analytic representation of the electron-gas correlation energy”. *Phys. Rev. B* 45 (23), (1992) 13244–13249.
- [2] J.P. Perdew, A. Ruzsinszky, G.I. Csonka, O.A. Vydrov, G.E. Scuseria, L.A. Constantin,; X. Zhou, K. Burke, “Restoring the Density-Gradient Expansion for Exchange in Solids and Surfaces”. *Phys. Rev. Lett.* 100 (2008) 136406–136410.
- [3] K. Harun, N. Mansor, M.K. Yaakob, M.F.M. Taib, Z.A. Ahmad, A.A. Mohamad, On the verification of sol–gel-derived ZnO nanoparticle properties using first-principles calculation, *J. Sol-Gel Sci. Technol.*, 80 (2016) 56-67.



Ministry of Higher Education and Scientific Research  
University of El-Oued  
Faculty of Exact Sciences  
Chemistry Department



## GCNP'22 Program



# The first National Seminar on Green Chemistry and Natural Products

March 14-15, 2022 Eloued - Algeria



[/https://cgcp.sciencesconf.org](https://cgcp.sciencesconf.org)

# GCNP'22

14 March 2022

## SCHEDULE

**8:00-08:30** OPENING CEROMONY



<https://meet.google.com/ejd-rnex-ybs>

WORD of : Pr. FERHATI Omar, Rector of the Echahid Hamma Lakhdar- El-Oued

WORD of : Pr. MANSOUR Abdelouahab, Dean of the Faculty of Exact Sciences U. El-Oued

WORD of : Dr. ZOBEDI Ammar, President of ISMSEM2022

**8:30-09:00**

**KEYLECTURE 01 : PR. Ahmed Chenna**



<https://meet.google.com/ucb-rbbr-osd>

**9:00-12:00**

### ORAL SESSION

ROOM ORAL O.01: <https://meet.google.com/mgs-kxzy-tjd>

ROOM ORAL O.02: <https://meet.google.com/jkp-serd-bhu>

ROOM ORAL O.03: <https://meet.google.com/xqs-myjs-ezg>

ROOM ORAL O.04: <https://meet.google.com/jdj-mcxw-khb>

ROOM ORAL O.05: <https://meet.google.com/tds-kgoh-qez>

**14:00-17:00**

### POSTER SESSION

ROOM POSTER P.1: <https://meet.google.com/gte-aiiy-gvv>

ROOM POSTER P.2: <https://meet.google.com/tyx-jvmc-smj>

ROOM POSTER P.3: <https://meet.google.com/kmj-atdn-voe>

ROOM POSTER P.4: <https://meet.google.com/hss-saxw-ack>

ROOM POSTER P.5 : <https://meet.google.com/rsc-byrb-hhp>



**Pr. Ahmed Chenna**

Principal Scientist, Oncology Group, Monogram Biosciences Inc., LabCorp



# GCNP'22

15 March 2022

## SCHEDULE

8:00-08:30

KEYLECTURE 01 : PR. Tahar Douadi

 <https://meet.google.com/dvm-mnug-udb>

9:00-12:00

### ORAL SESSION

ROOM ORAL O.06 : <https://meet.google.com/haj-sykk-odj>

ROOM ORAL O.07 : <https://meet.google.com/tur-soxf-phys>

### POSTER SESSION

ROOM POSTER P. 6 : <https://meet.google.com/whc-xqxb-qos>

ROOM POSTER P.7 : <https://meet.google.com/bzh-wxwu-ipo>

ROOM POSTER P.8 : <https://meet.google.com/dmu-nddz-nqi>

ROOM POSTER P.9 : <https://meet.google.com/qjb-fwr-dmus>

12:00-13:00

### THE CLOSING OF THE GCNP'22

<https://meet.google.com/tnj-xmof-wfy>



**Pr. Tahar Douadi**

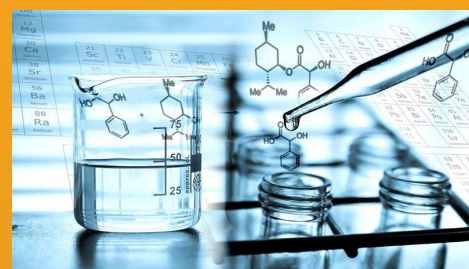
University of Ferhat Abbas, Sétif 1-ALGERIA

Inc., LabCorp



## SCHEDULE

**TOPIC 1: Materials**



**TOPIC 2: Electrochemistry**



**TOPIC 3: Biodiversity**



**TOPIC 4: Green chemistry applications & benefits**

2022

**DAY 1**  
**14/03/2022**

**09:00-12:30**



**ROOM ORAL 01****Materials****MANAGER:** Dr. MEHELLOU Ahmed (U. El-Oued)**JURY 1:** Dr. KHELASSI Asma (Maghnia University Center)**JURY 2:** Dr. TABET ZATLA Amina (U. Tlemcen)**JURY 3:** Dr. SELLOUM Djamel (U. Ouargla) :LINK GoogleMeet<https://meet.google.com/mgs-kxzy-tjd>

Author	MAIL	TITLE
Zemouri Abd Errahmane	zemouriabderrahmane94@gmail.com	Adsorption kinetic study of cationic dye onto magnetic bentonite/calcium alginate beads
Zaidi Oussama	oussama.zaidi@ummto.dz	Applications of MXenes in batteries a mini review
Kharfane Oussama	kharfane.oussamasth@gmail.com	Bibliometric Analysis of Nanomaterials in the Field of Chemistry and the Environment Published in the Scopus Database
Mouna Mekersi	michoumekersi@gmail.com	Bio-detection of Paracetamol Molecule in Blood using LSCu Nano-particles Modified with Carbon Paste Electrode.
Halla Abdelbaki	abdelbaki-halla@univ-eloued.dz	Biosynthesis of 1,2,3-triazole with an ecofriendly synthesized Cu <sub>2</sub> O nanoparticles as catalyst
Hammou Zeyneb	zeyneb.hammou@univ-msila.dz	Calcium Sulfoaluminate Cement Synthesis by Natural Materials
Benchikh Lilia	lilia.benchikh@gmail.com	Cellulose nanocrystal's extraction and their effect on PP/CNC nanocomposites mechanical properties
Smail Sihem	sm.sihem94@gmail.com	Characterization And Dielectric Properties Of Barium Zirconium Titanate Doped With Rare Earth Prepared By Solid State Reaction
Bouhidel Zineb	bouhidel.zineb@outlook.fr	Chemical modification and biological evaluation of Carboxymethylcellulose grafted to an amino acid
Maya Kebaili	mkebaili@cdda.dz	Dopage par méthode d'échange d'ion de l'hydroxyapatite synthétique

**ROOM ORAL 02****Materials****MANAGER:** Dr. HACHANI Salah (U. El-Oued)**JURY 1:** Dr. SLIMANI Mohammed zakaria (U. Chlef)**JURY 2:** Dr. KENICHE Assia (Maghnia University Center)**JURY 3:** Dr. ACHI Fethi (U. Ouargla) :LINK GoogleMeet<https://meet.google.com/jkp-serd-bhu>

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Hecini Lynda	lindahecini@yahoo.fr	Effect Of Calcium, Sulfate And Phosphate Salts On The Removal Of Humic Substances By Coagulation-Flocculation With Aluminum Sulfate And Effect Of Mineralization
Hamani Nadjette	n.hamani@univ-biskra.dz	Effect of the Nozzle-Substrate Distance on the Structural and Optical Properties of In <sub>2</sub> O <sub>3</sub> Thin Films Deposited by Spray Pyrolysis Technique
Ben Salem Dhirar	dhirar.bensalem@univ-biskra.dz	Effective Removal of Toxic Chromium from Water by Peanut Shells-Derived Biochar Prepared in Single-Step Pyrolysis
Hadj Mekki	hadjmekki@gmail.com	Effet de la boue de station d'épuration sur les propriétés mécaniques du mortier appliqué aux plans d'expériences
Bouchenka Lamia	Bouchenkalamia653@gmail.com	Effet de pontage sur les propriétés catalytiques d'une montmorillonite utilisée comme catalyseur hétérogène pour la réaction de Biginelli
Bekhoukh Amina	aminabekhoukh@yahoo.fr	Elaboration; caractérisation et propriétés électrochimique d'un nanomatériau à base de Poly (p-Anisidine/ TiO <sub>2</sub> )
Allali Djamel	djamel.allali@univ-msila.dz	Electronic and optical properties of the SiB <sub>2</sub> O <sub>4</sub> (B = Mg, Zn, and Cd) spinel oxides: An ab initio study
Feddal Imene	fimene22@hotmail.com	Élimination de deux polluants organiques par un matériau naturel
Klaai Lisa	lisa.klaai@univ-bejaia.dz	Extraction et Caractérisation de la Cellulose à partir de farines des grignons d'olives
Narimene Aoun	aoun.narimene95@gmail.com	facile preparation of nickel ferrite spinel with high photocatalytic performance



## ROOM ORAL 03 Electrochemistry

**MANAGER:** Dr. NEGHMOUCHE NACER Salah (U. El-Oued)

**JURY 1:** Pr. LOUAFI Fadila (U. Constantine-1)

**JURY 2:** Pr. BARHMIA Ouarda (U. Constantine-1)

**JURY 3:** Dr. ATIA Salem (U. Ouargla)

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Author	E-MAIL	TITLE
Mekhaznia Warda	mekhazniawardachimie@gmail.com	Adsorption and corrosion in mild steel by novel organic compound of ketene dithioacetal as corrosion inhibitor in a 0.5M sulfuric acid solution and 1M HCl solution
Zaidi Oussama	oussama.zaidi@ummto.dz	Applications of MXenes in batteries a mini review
Saila Abdelkader	abksaila@yahoo.fr	Establishment of theoretical voltammograms relating to the anodic oxidation of metals and analysis by semi-integration
Boughoues Yasmine	boughouasrima@gmail.com	Experimental, quantum chemical and molecular simulation studies of new amine compounds based on nitroaniline and studying the effect of phenol on the corrosion inhibition of carbon steel in 1M HCl solutions
Kaci Samira	kacisamirahdr@gmail.com	Improvement of Carbon Dioxide Photoelectrochemical Conversion to Methanol of Metal Sulfide/Silicon-based Photoelectrode by Silicon Surface Modification
Zaoui - Djelloul Daouadji Manel	maneldaouadji@yahoo.fr	Influence of Temperature on Corrosion Inhibition of Carbon Steel by Aqueous Extract of Rumex Vesicarius
Ben Abdesselam Djedjiga	Djidjiben311@gmail.com	L'influence de la faible addition de zinc sur la microstructure, le comportement de corrosion et la dureté des alliages de coulée AlSi12
Bendellali Thanina	bendellalinina@gmail.com	Photovoltaic characteristics of Cu <sub>2</sub> O thin films formed by galvanostatic deposition
Merabet Nourhane	n.merabet@esti-annaba.dz	Role of indirect sonication in the reduction of ohmic resistance in membraneless electrolysis for hydrogen production
Kerassa Aicha	aichachimie1@gmail.com	Study of The Electronic Properties And Structural Analysis of Caffeic Acid Derivatives by modeling molecular
Atia Salem	atiassalem@gmail.com	The effect of some derivatives Schiff bases on the corrosion of mild steel in hydrochloric acid solution

## ROOM ORAL 04 Biodiversity

**MANAGER:** Dr. TAMMA Nouredine (U. El-Oued)

**JURY 1:** Pr. DEHAMCHIA Mohamed (U. El-Oued)

**JURY 2:** Dr. DEBBECHE Hanane (U. El-Oued)

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Bensatal Ahmed	matmatidz@gmail.com	Anti-lithiasis activity of the fraction aqueous of Zizyphus lotus
Mesbahi Mohammed Adel	adel_mesbahi@yahoo.fr	Effect of Heat Treatment on the Antioxidant Activity of Genista Saharæ Coss. & Dur Honey
Adjlane Nouredine	adjlanenouredine@hotmail.com	Efficacité de quelques traitements acaricides biologiques dans la lutte contre l'acarien Varroa destructor en Algérie
Ben Amor Med Larbi	medlarbil983@gmail.com	Essential oil composition and antimicrobial activity of Origanum majorana L. from Eloued
Medila Ifriqya	ifriqya-medila@univ-eloued.dz	Etude Phytochimique et activité antioxydante de l'extrait brut de Lepidium sativum (Hab Erchad)
Zineddine Boutefaha	z.boutefaha@univ-setif.dz	Evaluation Des Activités Antioxydante et Anticancéreuse Des Extraits De Teucrium Polium Contre Les Cellules MCF-7
Beldi Hakima	h.beldi@centre-univ-mila.dz	Evaluation of the biological and enzymatic activities of a medicinal plant from eastern Algeria

Alane Farida	alanefarida@gmail.com	Evaluation Des Activités Antioxydante et Anticancereuse Des Extraits De Teucrium Polium Contre Les Cellules MCF-7
Bokhari Hassiba	hassiba.bokhari@univ-usto.dz	Extraction, dosage et analyse des polysaccharides pari©taux des racines de Retama raetam
Bouaziz* Yasmine*	yasminebouaziz2021@gmail.com	FORMULATION COSMETIQUE ET PHARMACEUTIQUE A PARTIR DES VARIETES DE DATTES
Draou Nassima	n.draou@yahoo.com	Isolation and characterization of plant growth-promoting rhizobacteria from Opuntia ficus-indica L.and their effect on Wheat growth
Chihi Soumaia	ammar.souf1978@gmail.com	Phytochemical Study Of Different Polarity Extracts ,Metabolites Isolated And Antibacterial Activity From Moltkia Ciliata Growing In Algeria

# ROOM ORAL 05 Green chemistry applications & benefits

MANAGER: Dr. KHIOUANI Adel (U. Batna)

JURY1: Pr. KATEB Samir (U. Ouargla)

JURY2: Dr. BAOUIA Kais (U. Ouargla)

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<https://meet.google.com/tds-kgoh-qez>

Author	E-MAIL	TITLE
Souad Belakeal	bel.souad77@gmail.com	دراسة فعالية نبات الخلجة ضد البكتيريا ضد الأكسدة ( Pergularia Tamentosa L ) وكمثبط تآكل في وسط حمضي
Kerrouche Ibrahim	kerroucheibrahim@gmail.com	Effect of Rameal Chipped Wood (BRF) on the aerial fresh and dry phytomass of durum wheat of the Hedba 3 variety
Atba Wafa	Atbawafa@hotmail.com	Effet du catalyseur et de l'agent oxydant sur la dégradation du Bleu de Bromothymol par le procédé photo-Fenton
Kertiou Noureddine	kertiou.noureddine@univ- khenchela.dz	Etude QSRR de la rétention chromatographique des HAP
Mohammed Kerkoubi	dkerkoubi@gmail.com	EXTRACTION AND PREPARATION OF CELLULOSE FIBERS FROM LEPTADENIA PYROTECHNICA PLANT
Sellami Seifeddine	seifeddine.sellami@univ- tebessa.dz	Indice de Géo-accumulation et Facteurs de Contamination des Métaux Lourds (Zn et Pb) dans les Sols Urbains de la Ville de Tébessa (Nord-Est Algérie)
Bachar R©bat Moukrere	rebachar@yahoo.fr	Lixiviats du CET de la ville de Djelfa : caract©risations physicochimiques
Zaoui - Djelloul Daouadji Manel	maneldaouadji@yahoo.fr	Modeling Vapor-Liquid Equilibria for the 1- Pentanol + Hydrocarbon System Using the CPA and PC-SAFT Equations of State
Bouakkadia Amel	bouakkadiaamel@gmail.com	Modélisation Moléculaire de la Solubilité Aqueous d'une Série d'Herbicides: Etude QSPR
Bensatal Ahmed	matmatidz@gmail.com	Nitrate contamination of bottled water marketed in Algeria and its health- related effects
Samira Kennouche	samirees@yahoo.com	Phytochemical and biological studies of chrysanthemum segetum l.
Kerboua Kaouther	k.kerboua@esti-annaba.dz	Sonochemical reactors under square acoustic wave excitation as a green pathway for water remediation: a modeling mechanistic study
Benatallah Nassiba	benatallahnoussaiba@gmail.com	Study of the change of elastic modulus of wüstite in phase B8 under high pressure up to the conditions of the Earth's outer core by calculation.
Khier-Bayou Nawal	sbayou2004@yahoo.fr	Synthesis of heterocyclic molecules type dipyrromethanes in water
Testas Roukia	roukiat25@gmail.com	traitement des eaux par procédé photocatalytique
Aouadi Sara	aouadi-sara@univ-eloued.dz	Water pollution detection and control using nanotechnology
Abdelali GHERBIA	abdelali98111@yahoo.fr	إزالة بالامتزاز لصبغة أزرق الميثيلين باستعمال مسحوق نوى التمر المعالج كيميائياً

**DAY 1**  
**14/03/2022**

**14:00-17:00**



MANAGER: Dr. MEHELLOU Ahmed (U. El-Oued)

JURY 1: Dr. KHELASSI Asma (Maghnia University Center)

JURY 2: Dr. Tabet ZATLA Amina (U. Tlemcen)

JURY 3: Dr. BEGGAS Ezidine (U. El-Oued)

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Bahnes Zohra	zohrabahnes@yahoo.fr	ADSORPTION OF DYE METHYL VIOLET 2B BY JUJUBE STONES (ZIZIPHUS JUJUBA)
Boudagha Seif El Islam	boudaghaseifelislame@gmail.com	Biosynthesis of Noble Metals Nanoparticles Using Aqueous Plants Extract and its Application in Catalytic Degradation of Organic Dyes
Belazizia Khawla	belazkhawla1@gmail.com	Characterisation of Amine-Based Collectors and Study of Their Adsorption on Quartz
Almi Kenza	k.almi@univ-biskra.dz	Characterization of Copper Oxide nanoparticles prepared by Sol-Gel method
Djedid Tarek	tarekdjedid@gmail.com	Comportement du béton recyclé
Zerig Tahar	zerig72@yahoo.fr	Comportement Physique et Rhéologique du Béton à Base de Granulats Recyclés
Mohammed Lamine Bouchareb	laminebouchareb95@gmail.com	Critical buckling analysis of SWCNT on Kerr's foundation by using a nonlocal FSDT theory
Beggas Azzeddine	azzeddine-beggas@univ-eloued.dz	Deposition of Cu-doped PbS thin films by chemical bath process
Saida Hoggas	saidahoggas16@gmail.com	Effect of hydrogen peroxide on properties of F doped SnO <sub>2</sub> thin films deposited by spray pneumatic
Behissa Souad	behissasouad@gmail.com	Effect of washing on the mechanical behavior of LDPE films weathered in Ghardaia, Algeria
Benoumena Hala	benoumebahala@gmail.com	Effet de la silice fonctionnalisée sur l'élimination de Pb <sup>2+</sup> par une membrane S-PES
Boutemine Nabila	bouteminenabila@gmail.com	Effet du pH et de la température sur le comportement d'adsorption du Cr (VI) sur un bio-adsorbant.
Nadia Lehraki	nadia.lehraki@univ-biskra.dz	Elaboration and characterization of ZnO thin films with different zinc precursors
Manel Sellam	sellammanel04@gmail.com	Élaboration et caractérisation des couches minces d'oxyde de zinc par la méthode spray pyrolyse
Belkham Nour-El-Houda	anisbelkham2002@yahoo.fr	Élaboration et Étude Mécanique des Matériaux Hybrides à Matrice Polypropylène (PP) et Charge Double Hydroxyde Lamellaire (HDL)
Benhachem Fatima Zahra	f.benhachem@yahoo.com	Elaboration of a new composite material based on bentonite
Benichou Boucif	boucifbenichou75@gmail.com	Electronic Structure, Elastic and Magnetic Properties of Platinum-based Full-Heusler Compounds Pt <sub>2</sub> MnZ (Z=Al, Ga) by Means of Density Functional Theory
Salima Ghali	salima.ghali1976@gmail.com	Enhanced photocatalytic degradation of paracetamol using Ag <sup>+</sup> doped BiOI photocatalyst under simulated sunlight
Mecibah Wahiba	mecibahwahiba@yahoo.fr	Étude cinétique de l'adsorption de la Rhodamine B sur un matériau naturel
Mecibah Wahiba	mecibahwahiba@yahoo.fr	Étude de la biosorption d'un colorant cationique (crystal violet) sur un matériau d'origine végétal)
Naili Noura	n.naili@univ-skikda.dz	Quantum chemistry simulation of the electronic properties in the encapsulation of Demeton-S-Methyl and $\beta$ -cyclodextrin

**MANAGER:** Dr. HACHANI Salah (U. El-Oued)

**JURY 1:** Dr. BEN HEMIDA Soufien (U. Ouargla)

**JURY 2:** Dr. BAYOU Samir (U. El-Oued)

**JURY 3:** Pr. LERARI Djahida (C.R.A.P.C)

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Bouzidi Afaf	bouzidi-afaf@univ-eloued.dz	Etude de la photoréactivité de formulations Bis-GMA/TEGDMA amorcées par un système d'amorçage CQ/Amine tertiaire
Belaïd Taous	btaous@yahoo.fr	Etude du phénomène d'adsorption d'un colorant cationique la Rhodamine B par la résine XAD4-D2EHPA
Asfour Issam	asfissam@gmail.com	First-principle calculations of the structural, electronic, chemical, magnetic and thermodynamic properties of new half-metallic compound Cr <sub>2</sub> GdSi
Laïb Ibtissam	ibtissambiochimie95@gmail.com	Green Synthesis of Silver Nanoparticles and their Antioxidant Activity determination
Zouai Souheila	zouaisouheila@yahoo.fr	Hydroxy Carbonate Apatite Formation on Particulate of Diopside Prepared From Local Dolomite in Vitro as a Function of Time
Badaoui Fatima Zohra	fatimazohra.badaoui@univ-constantine3.dz	In vitro Dissolution, and Drug Release Kinetics Profiles of Diclofenac Sodim loaded Ethylcellulose Nanoparticles
Bouchelouche Fatima	fatima.bouchelouche@gmail.com	L'effet De Vitesse d'avance De Soudage Par Friction Sur La Microstructure Et Les Propriétés Mécaniques d'un Joint Soudé
Imzi Sonia	imzisonia@gmail.com	L'Etude et la Caractérisation des Amidon Extrait des Pomme de Terre et ces Epluchures
Kaarour Hadj Barkat	hadjbarkatkaarour@gmail.com	Light emitting diodes multi-quantum wells based on gan/ingan (4qwl)
Elhadeuf Kenza	elhadeufkenza@gmail.com	Modélisation et optimisation de l'élimination d'un colorant textile par électrocoagulation avec des déchets des canettes d'aluminium recyclées
Bouchameni Chahra	bouchamenichahra@gmail.com	New fluore based on cadmium and dithiocarbazate
Abdelghani Bouabdallah	ca.ar2828@gmail.com	Numerical Simulation of the Influence of reducing defects on a Cu(In,Ga)Se <sub>2</sub> Solar Cells Performance
Radouane Daira	daira_radouane@yahoo.fr	Optical and electrical properties of copper oxide (CuO) thin films prepared by pneumatic spray pyrolysis and utilized solution of chloride
Kemerchou Imad	ikemerch@binghamton.edu	Optical, Structural properties of perovskite layer prepared via spin coating method
Hamzaoui Majda	m.hamzaoui@univ-biskra.dz	Physical properties of new Sb <sub>2</sub> O <sub>3</sub> -Li <sub>2</sub> O-MoO <sub>3</sub> glasses
Guesmia Nesrine	guesmianesrine1993@gmail.com	Physical, Thermal and Optical Properties of Sm <sup>+3</sup> doped SWN Glasses for Orange LEDs
Radouane Daira	daira_radouane@yahoo.fr	Precursor nature effect on the optical and electrical properties of nanomaterials of copper oxide (CuO) thin films prepared by pneumatic spray pyrolysis
Fares Asma	asmafrs12229@gmail.com	Preparation and characterization of calcium oxide using eggshell waste
Chehlatt Sihem	sihemcha@yahoo.fr	Preparation And Study Of Bioactive Ceramics Containing Different Wt% B <sub>2</sub> O <sub>3</sub> Prepared From Local Raw Materials
Meftah Nassima	meftahnassima@yahoo.fr	Production of silica gel from Algerian sands and its adsorptive properties
Hoggas Khadidja	hoggaskhadidja@univ-setif.dz	Propriété tribologique de nano-céramique transparente
Ilham Ben Amor	ilhambenamor97@gmail.com	Green Synthesis and Characterization of Polymer Chitosan- Ag Nanoparticle



# ROOM POSTER 03 Electrochemistry

MANAGER: Dr. NEGHMOUCHE NACER Salah (U. El-Oued)

JURY 1: Pr. LOUAFI Fadila (U. Constantine-1)

JURY 2: Pr. BARHMIA Ouarda (U. Constantine-1)

JURY 3: Dr. ATIA Salem (U. Ouargla)

 :LINK GoogleMeet

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Author	E-MAIL	TITLE
Khennoufa Ali	ali.khenn94@gmail.com	Biological Interaction of N-ferrocenylmethylaniline with Bovine Serum Albumin Using voltammetric, spectroscopic and molecular docking methods
Marmi Saida	s.marmi@univ-biskra.dz	Effect of current density on corrosion resistance of Zn coatings on copper.
Hayat Marmi	h.marmi42@gmail.com	Effects of inclusions on the corrosion of carbon steels.
Hayat Marmi	h.marmi42@gmail.com	Elaboration and Characterization of Ni $\text{Co}$ Composite Coatings.
Mayouf Fateh	mayouffateh1@gmail.com	Elaboration d'électrode modifiée à base de polypyrrole dopé par des nanoparticules d'argent pour des applications biomédicales.
Bentria Abdeldjebbar	bentria.adje@gmail.com	Élaboration d'un électrode modifié verre ITO/dérivé ferrocénique par immersion
Tei Siham	teisi2022@gmail.com	Electrochemical determination of polyphenols content in natural product
Raisemche Lynda	contactmylab@yahoo.fr	Etude du pouvoir inhibiteur d'une molécule Azomethine sur la corrosion de l'acier xc48 dans un milieu acide 1M
Douadi Khaoula	douadi.khaoula@yahoo.fr	In vitro Evaluation of Antioxidant Capacity of New Coumarin Derivative by Electrochemical Assays
Benikdes Aissa	abenikdes@yahoo.fr	Inhibition corrosion of ductile iron in soil simulating solution by of some triazole derivatives.
Boubezari Imane	boubezari.imen@gmail.com	Nouveau biocapteur électrochimique pour la détection et la quantification du pyrocatechol
Melaim Nadjah	nadjahmelaim@gmail.com	Protection d'un acier doux contre la corrosion par un copolymère poly(aniline co-éthylène diamine).
Marmi Saida	s.marmi@univ-biskra.dz	Sodium Molybdate as a Corrosion Inhibitor for Mild Steel in (0.01MNa <sub>2</sub> SO <sub>4</sub> ) Solution
Bennaceur Kheira	kheira.bennaceur@univ-biskra.dz	Structural and Optical Properties of Undoped and Doped SnO <sub>2</sub> Thin Films
Karima Benfadel	benfadelkarima@gmail.com	Synthesis and characterization of different electrodes based on Cu <sub>2</sub> S for the photoelectrochemical reduction of CO <sub>2</sub>
Zermane Samira	samirazermane23@gmail.com	The electrochemical behavior of an aluminum-magnesium alloy (al-10% wt. Mg) heat-treated then deformed by rolling
Abacha Ilyes	ilyesabacha@gmail.com	XRD and SEM analysis of and electroplated Cu-Zn alloy using Zinc oxide bath and the study of the effect of corrosion by impedance spectroscopy
Benali Omar	benaliomar@hotmail.com	Synthesis, characterization of double lamellar hydroxides and their application as a nanocontainers of corrosion inhibitor
Kheiredine BENDADA	ben.khiro@gmail.com	Electrokinetic soil remediation of inorganic pollutants



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JURY 1: Dr. HAMADA Djamila (U. Ouargla)

JURY 2: Dr. ALLAOUI messaouda (U. Ouargla)

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Author	E-MAIL	TITLE
Abir Fouhma	fouhma1996@gmail.com	A Phytochemical and biological study of an extracts a plant growing in Oued Souf
Haichour Nora	haichournora@yahoo.fr	Activité antibactérienne de la résine de pin contre Enterobacter sp. et Stenotrophomonas sp.
Fetni Donia	fetnidonia@gmail.com	Activité anticandidosique de l'extrait méthanolique de Bunium incrassatum (Boiss.) Batt. & Trab
Rezzoug Maria	Benadjilamohamed@yahoo.fr	Analyse, Propriétés Physico-Chimiques et Activités Biologiques d'Huile Essentielle d'Ocimum Basilicum du Sud Algérien
Zeggai Oussama	o.zeggai@univ-chlef.dz	Analytical Modeling of Graphene-Based Biological Field-Effect Micro-Sensor for the Enzymatic Detection of Glucose
Belarbi Fatima	belarbi.fatima@gmail.com	Antagonistic activity of Lactobacillus plantarum K13 towards bacterial pathogens
Habbi Meriem	h.meriem8@gmail.com	Antidiabetic Activity of some Algerian Medicinal plants and their Relations with Antioxidant Activity
Bensmail Souhila	s.bensmail@univ-bouira.dz	Application of Milk-Clotting Extract Produced by Rhizopus stolonifer in Camembert Cheese Making
Tedjani Aicha	aichated94@gmail.com	BIOLOGICAL ACTIVITY OF THE WATER-SOLUBLE POLYSACCHARIDES EXTRACTED FROM TWO MEDICINAL PLANTS OF ASTRAGALUS GENUS
Ayad Ahmed Sabri	ayad_sabri@yahoo.fr	Biological evaluation of Algerian Propolis
Zaak Hadjer	zaakhadjer14@gmail.com	Biological Properties Assessment of An Algerian Ononis Plant
Namoussa Tedjani Yahia	ted27nam@gmail.com	Biological Synthesis Of Silver Nanoparticles Using Moringa Oleifera Leaf Extract and their antimicrobial activities
Benhamidat Lyna	bht.lyna@gmail.com	Caractérisation Chimique et Biologique de l'Extrait Héxanique de Centaurea acaulis
Bouakkadia Hayette	hayett_biotech@yahoo.fr	Caractérisation des protéines hydrosolubles des graines d'arachide, soja, sésame et lentille
Mesbahi Mohammed Adel	adel_mesbahi@yahoo.fr	Chemical Composition of Essential Oils and Hydrosols of Mentha Species from Algeria (El-Oued)
Achiri Radja	achirirania@gmail.com	Composition Chimique et Activités Antioxydante, Anti-inflammatoire de l'Huile Essentielle des Racines de Carlina hispanica de l'Ouest Algérien



Hami Manel	manelhami24@gmail.com	Conservation des denrées stockées, par l'utilisation de deux plantes pesticides <i>Thymus vulgaris</i> et <i>Tanactum parthenium</i> contre deux ravageurs des denrées stockées <i>Ephestia kuehniella</i> et <i>Tribolium</i>
Ateur Djamel	djamel.ateur@univ-saida.dz	Contribution à l'étude d'évaluation de la chenille processionnaire du pin d'Alep ( <i>Thaumetopoea pityocampa</i> Schiff) dans la commune de Mâamora, Algérie.
Boussaha Sarah	boussahasarah@yahoo.fr	Criblage phytochimique et biologique des extraits butanol d'une plante endémique Saharienne de la famille Astéracées
Chaoui Boudghane Lamia	cblka@yahoo.fr	Effets des solvants sur la composition phénolique des Noyaux de datte de la variété « Deglet Nour »
Mahboub Sara	sara.mahboub1993@gmail.com	Elaboration et caractérisations de nanoparticules par la biotechnologies
Ahtirib Abas	ahtirib.abbas@gmail.com	Enquête ethnobotanique sur l'utilisation de l'Arbousier dans la région d'Annaba
Djeffal Zeyneb	zeynebnardine@gmail.com	Etude bio-informatique d'une nouvelle protéine allergénique
Debbeche Hanane	dhanannaba@yahoo.fr	Etude chimique des extraits bruts de la poudre d'ail ( <i>Allium sativum</i> ) cultivée dans la région d'El-Oued
Saidani Souad	saidanisouad19@gmail.com	ETUDE DE BLÉ EN DÉVELOPPEMENT

# ROOM POSTER 05 Green chemistry applications & benefits

MANAGER: Dr. KHIUANI Adel (U. Batna)

JURY1: Pr. KATEB Samir (U. Ouargla)

JURY2: Dr. BAOUIA Kais (U. Ouargla)

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Author	E-MAIL	TITLE
Boudebja Ouafa	boudebja-ouafa@univ-eloued.dz	A survey study about plants used with dry chameleons to treat tonsillitis and thyroid diseases in El Oued region
Kheffache Ouzna	kheffachechimie@gmail.com	Activité catalytique du catalyseur Mo-SiO <sub>2</sub> en chimie verte
Diaf Rayane	rayane.diaf@univ-annaba.org	Adsorptive removal of hexavalent chromium using an eco-effective adsorbent
Boukezzoula Manel	mboukezzoula61@gmail.com	biosynthesis of ecofriendly titanium oxide nanoparticles using Eucalyptus leaf extract: evaluation of photocatalytic activity
Bouaoune Ahmed	a_bouaoune@yahoo.com	Calculs de Modèles Hybrides Algorithme Génétique / Réseaux de Neurones pour la Toxicité des Polluants Potentiels de L'environnement
Slyemi Samira	samira.slyemi@usthb.edu.dz	Catalytic properties of Mo-MgO and Cu-MgO catalysts in green chemistry for the synthesis of dihydropyrimidinone molecule over Biginelli reaction.
Elhadeuf Kenza	elhadeufkenza@gmail.com	Comparative study of the elimination of a textile dye by electrocoagulation and hybridization electrocoagulation-microfiltration
Bouaziz Omar	omarbou05@yahoo.fr	Contribution à la synthèse du fragment $\alpha$ -méthylène- $\gamma$ -butyrolactone dans des conditions respectant l'environnement
Deliou Adel	deliouadel15@gmail.com	Contribution to the study of metal bioaccumulation in the wastewater of Djelfa "Algeria"
Derki Nour Elhouda	nourderki1997@gmail.com	دراسة التركيب الهندسي والإلكتروني وتحليل المدارات الحدودية T-النمذجة الجزيئية لمشتقات 705
Bensatal Ahmed	matmatidz@gmail.com	Dissolution of calcium oxalate lithiasis by alkaloids of Quercus
Hacen Ben Amara Hacen	benamarahacen@gmail.com	DNA-binding studies of 2NPF(ferrocene derivative) : voltametric, spectroscopic and molecular docking investigations
Bensatal Ahmed	matmatidz@gmail.com	Effect of phenolics acids fraction extract of Quercus on dissolution of calcium oxalate
Razika Mecheri	mecheri.razika@yahoo.com	Effect of temperature and pH on removal of Bezathren Red Dye using natural clay
Nasrouche Ikram	nasrouche.ikram@yahoo.com	Effet de l'eutrophisation sur le barrage de la réserve de chasse de Zéralda
Chaouadi Hiba	h.chouadi@univ-boumerdes.dz	Effets de la présence des cellulose sur les margines
Haiouani Kheira	kirahaiouani@yahoo.fr	Efficient synthesis of protected sulfonopeptides from N-Fmoc 2-aminoalkanesulfonyl chlorides
Belhadj Khouloud	khouloudbelhadj93@yahoo.com	Elimination des polluants des eaux usées par filtres plantés de phramites australis dans une zone semi aride-cas de Biskra
Benhaoued Fatma	fatyfatima17081993@gmail.com	Etude de l'activité antifongique des extraits aqueux de quelques plantes spontanées sahariennes

Seghier Soraya	seghier15@yahoo.fr	Etude de la dégradation de polystyrène expansé en utilisant un catalyseur naturel
Louzri Somia	louzrisomia82@gmail.com	Etude de la dégradation photocatalytique des polluants organiques (Noir Eriochrome T) par des catalyseurs De Type Spinelle
Deliou Adel	deliouade115@gmail.com	Etude Numérique des Performances d'un Distillateur Solaire à Effet de Serre de Type Chapelle
Chekkal Faiza	f_chekkal@yahoo.fr	Etude semi empirique comparative par les méthodes PM6 et PM7 de Host-guest complexe ( B-cyclodextrine et PCDD)
Bouchagra Samah	bouchagra-samah@univ-eloued.dz	Etude théorique du mécanisme d' inhibition de la protéine de choc thermique (HSP90).
Djafarou Roumeissa	roumeissadjafarou@gmail.com	Eucalyptus Mediated Green Synthesis of ZnO Nanoparticles under Sol-gel Method and Their Application



**DAY 2**  
**15/03/2022**

**08:30-13:00**



**ROOM ORAL 06****Materials****MANAGER:** Dr. MEHELLOU Ahmed (U. El-Oued)**JURY 1:** Dr. BACHA oussama (U. Ouargla)**JURY 2:** Dr. KENICHE Assia (Maghnia University Center)**JURY 3:** Dr. BEGGAS Azidine (U. El-Oued) :LINK GoogleMeet<https://meet.google.com/haj-sykk-odj>

Author	E-MAIL	TITLE
Athmani Hamza	ham.40@live.fr	Influence of protonation on the electron density of melamine
Djoudi Lynda	djoudi_lynda@yahoo.fr	L'effet de la substitution du fer par le chrome sur les propriétés structurale de la pérovskite SrFe <sub>1-x</sub> Cr <sub>x</sub> O <sub>3-δ</sub>
Badiaa Bouider	bouiderbadiaa@gmail.com	MOF-Graphene Oxide Composites: Combining the unique properties of graphene layers with Metal-Organic Frameworks properties.
Bouchel Wissem	wissem.bouchel@gmail.com	Photocatalytic Properties Of Fluorite Structure Nanoparticles.
Chaoui Saliha	salihachaoui@yahoo.fr	PREPARATION ET CARACTERISATION DE NANOCOMPOSITES PLA/AMIDON PLASTIFIE/MONTMORILLONITE ORGANOPHILE
Djezzar Rima	rima.djezzar@univ-biskra.dz	Préparation et caractérisation du charbon actif à partir des noyaux de dattes (Variété Deglet Nour) de la région de Tolga à Biskra
Gasmi Amira	gasmiamira@yahoo.com	Removal of organic dye from aqueous solution using lignocellulose as adsorbent biomaterial
Ouiza Sebaoui	yacineaghemal@gmail.com	Removal of phenolic compounds from olive mill wastewater by adsorption onto banana peels
Anas Boussaa Sabiha	sabiha.anas@gmail.com	Silicon Carbide Thin Film Deposited by Reactive Magnetron Sputtering Technique for Converting CO <sub>2</sub> to Methanol
Bougoussa Ichrak	ichrakbouguessa94@gmail.com	Synthèse Et Caractérisation de Nouveaux Hétérocycles Fusionnés Dérivés de Pyrazolo-Pyridazines Et Isoxazolo-Pyridazines. Etudes de Leurs

**ROOM ORAL 07****Materials****MANAGER:** Dr. SOUROUTI Abdelghani (U. El-Oued)**JURY 1:** Dr. BEN HEMIDA Soufien (U. Ouargla)**JURY 2:** Dr. BAYOU Samir (U. El-Oued)**JURY 3:** Pr. LERARI Djahida (C.R.A.P.C) :LINK GoogleMeet<https://meet.google.com/tur-soxf-phs>

Author	E-MAIL	TITLE
Mekhaznia Warda	mekhazniawardachimie@gmail.com	Synthesis and characterization of copper oxide and zinc oxide nanomaterials CuO,ZnO Nps
Boudiar Meriem	mmeriemboudiarm@gmail.com	Synthesis and characterization of the codoping Zn& Al-doped TiO <sub>2</sub> thin films obtained by Sol-Gel method
Zerigui Hafida	zerigui.hafida@gmail.com	Synthesis of a Polyether Catalyzed by Maghnite-H <sup>+</sup> in one step
Babaami Nour Elhouda	elhodanour52@gmail.com	Synthesis, Crystal Structure Of Nanoparticles For Degradation Of Congo Red
Rabah Delfouf	delfoufrabeh@gmail.com	The influence of black iron oxide on the dielectric characteristics of ternary composite materials at microwave frequency
Allal Meftah	gcivi197@yahoo.com	The Physico-Chemical Characteristics Of A Mortar Made From Recycled Aggregates
Nabil Korichi	nabil.korichi@univ-tebessa.dz	Thermal properties of the one-dimensional space quantum fractional Dirac Oscillator
Nedjla Debabeche	nadjela.debabeche@univ-biskra.dz	Water Absorption Effects on Date Palm Fiber Reinforced Polyvinyl Chloride Composites

**MANAGER:** Dr. NEGHMOUCHENACER Salah (U. El-Oued)

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**JURY 2:** Pr. BARHMIA Ouarda (U. Constantine-1)

**JURY 3:** Dr. ATIA Salem (U. Ouargla)

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Hezil Naouel	hezil.nawel@univ-khenchela.dz	Removal of cationic and anionic surfactants by kaolinite from aqueous medium
Lamraoui Hamoudi	hamoudi.lamraoui@univ-batna.dz	Removal of the hydroquinone from water using a fonctionalized (poly (glycidyl methacrylate) grafted onto pvc) resin
Boceiri Nadia	nadiaboceiri@yahoo.fr	Retention de l'antibiotique cefixime par la palygorskite algerienne en milieu aqueux
Nouadji Malika	m.nouadji@univ-biskra.dz	Sb2O3 based Glasses – Preparation and Characterisations
Belfennache Djamel Eddine	belfennachedjamel@gmail.com	Silver nanoparticles deposited on cerium oxide synthesized by ion exchange followed by $\gamma$ radiation
Boulaiche Khaled	khaledboulaichedz5@gmail.com	Soda-lime glass waste effect on the thermal properties of sanitary ceramic body
Zeghouan Ouahida	ouahida.zeghouan@gmail.com	Strongly Fluorescent Heterocyclic Molecule: Crystallography, 3D Hydrogen-Bonded, Fluorescence Study and QTAIM/TD-DFT/MESP Theoretical Analysis
Boutobba Zina	zina.boutobba2017@gmail.com	Structural description, computational study and Hirshfeld surface analysis of an oxalato-bridged complex
Radouane Daira	daira_radouane@yahoo.fr	Structural properties of CuO thin films grown by spray pyrolysis: influence of doping by Sn
Benrezgua Elhadj	elhadj.benrezgua@univ-msila.dz	Structural, electronic, morphological and luminescence properties of 10% Mn-Doped ZnO Thin Films
Boukhari Ammar	ammar.boukhari@univ-msila.dz	Structural, electronic, optical and elastic properties of pure ZnO material using first-principles calculation
Amari Rabie	rabie.amari@univ-msila.dz	Structural, Optical and Morphological properties of 10.8% Cu-Doped ZnO Thin Films
Roguai Sabrina	rog.sabrina@yahoo.fr	Study of structural, microstructural and optical properties of CuONps
Aissam Boukraa	aissam.boukraa@univ-biskra.dz	Study of the microstructure of activated and non-activated petioles of date palms.
Brik Afaf	brikafaf@yahoo.com	study of the photodegradation of methylene Blue by Erbium Oxide Modified silicon nanowires
Mani Mohamed	m.mani39@gmail.com	Study the characteristics and durability of Oued El-Ratm sand concrete in the Aggressive areas
Hamada Hakim	hakimannaba2178@yahoo.fr	Study the possibility of applying the Freundlich and Langmuir equations for adsorption of fer on caolin
Benmessabih Nour El Houda	chamselhouda93@gmail.com	synthèse de copolymères amphiphiles a blocs
Maloufi Meriem	maloufimeriem@hotmail.com	Synthèse de nouveaux matériaux bio composites pour une application biologique
Masika Bradai	bradai568@gmail.com	Synthèse de réseaux tridimensionnels: Préparation, Caractérisation Gonflement et Adsorption de métaux lourds
Salhi Meryem	salhimeryem94@gmail.com	Synthèse et caractérisation d'un catalyseur mésoporeux : Application à la dépollution des eaux

MANAGER: Dr. KHIUANI Adel (U. Batna)

JURY1: Pr. BEN MAYA Omar (U. El-Oued)

JURY2: Dr. KAMARCHOU Abase (U. Ouargla)

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Ait Radi Massillia	massilya08@gmail.com	Synthèse et caractérisation de polymères conducteurs
Djelloudi Thiziri	djelloudi.thiziri.sm4.g3@gmail.com	Synthèse et Caractérisation du Nanomatériau Co-HMS-10. Evaluation de sa performance dans l'élimination du Métronidazole.
Boulkrinat Amina	boulkrinat.amina90@gmail.com	Synthesis and characterization of multilayer ceramic membranes
Besra Safa	safabr3@gmail.com	Synthesis and Characterization of ZnO and CuO Pure Thin Films Grown by Spray Pyrolysis Method
Roufaïda Merir	meroufaïda@gmail.com	Synthesis, characterization, kinetics and adsorption properties of Black seeds adsorbent for methylene blue removal in the aquatic mediums.
Sahraoui Abouelkacem	abouelkacemsahraoui@gmail.com	Synthesizing and characterization of eco-friendly nanoomaterial (TiO <sub>2</sub> ) for photocatalytic applications.
Sabiha Hakkar	naouelhakkar217@gmail.com	textural analysis elaboration of the kaolinite
Haïf Khaïf Ouanassa	ouanassa.haïfkhaïf@univ-biskra.dz	The differential transformation method (DTM) in the treatment of linear physical models
Ali Sadoun	ali.sadoun@univ-sba.dz	The ideality factor effect on the electrical properties of M/ InP structure
Al-Thamthami Mohammed	mohammednasser132@gmail.com	The properties of bismuth oxide in the photolysis of blue methylene with scavenger under sunlight
Chibani Aboubaker	chibani1490@gmail.com	the structural Properties Of Fe <sub>2</sub> O <sub>3</sub> ,Dope Aluminum Thin Films deposited by spry pyrolysis
Keziz Ahcen	ahcenkeziz1@gmail.com	The synthesis and Characterization of ceramic composites via the sol-gel technique
Messaoudi Hassiba	messaoudihassiba@gmail.com	The use of copper-based catalysts in green chemistry
Chermat Zeyneb	zyneb.chermat@gmail.com	Valorisation Du Kaolin Du Djebel Debbagh En ajoutant du carbone, du carbonate de potassium et du carbure de silicium
Derkaoui Khaled	khaledderkaoui22@gmail.com	Water treatment using nanocomposite photocatalyzers based on silicon nanowires
Benarabi Abdelkrim	abdelkrim.benarabi@gmail.com	توزيع بعض العناصر الثقيلة الملوثة لتربة وتقييمها باستخدام معايير التلوث البيئي - منطقة النشاط الصناعي لمدينة نقرت

MANAGER: Dr. ZAOUI Manel (U. Ouargla)

JURY1: Dr. HAMADA Djamilia (U. Ouargla)

JURY2: Dr. ALLAOUI messaouda (U. Ouargla)

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Fetni Donia	fetnidonia@gmail.com	Etude de l'activité anti-Escherichia coli de Bunium incrassatum (Boiss.) Batt & Trab. de la région de Ain-Makhlouf (Guelma)
Mammeri Bakhtia	elfirdaws.omama02@gmail.com	Etude de l'effet synergique entre les antibiotiques et l'huile essentielle d'Artemisia campestris L. contre des bactéries multi-résistantes.
Tidjani Soukaina	soukaina-tidjani@univ-eloued.dz	Etude du pouvoir antioxydant des extraits d'une plante médicinale du genre Salvia en utilisant deux techniques : la méthode spectroscopique et la méthode électrochimique
Zaabat Nabila	zaabat.nabila@umc.edu.dz	Etude phytochimique et biologique d'une plante médicinale de la famille des Lamiacées
Ounaissia Karima	ounaissia_k@yahoo.fr	Evaluation de l'Activité Anti Staphylococcique de l'Huile Essentielle de Rosmarinus officinalis
Mammeri Bakhtia	elfirdaws.omama02@gmail.com	Evaluation de l'activité antioxydante de l'huile essentielle des feuilles de Cistus laurifolius L.
Dermeche Samia	bioavenir@yahoo.fr	Évaluation de l'activité antioxydante et antibactérienne des extraits de brindilles de l'olivier
Ounaissia Karima	ounaissia_k@yahoo.fr	Evaluation in Vitro de l'Activité Anti Fongique de l'Huile Essentielle de Rosmarinus officinalis
Abdellaoui Mohammed	said_moha20012001@yahoo.fr	Evaluation of Subchronic and chronic toxicity of the powder of Annona muricata (Graviola) leaves in Swiss albino mice
Abdessemed Sanna	sanna.ing9@yahoo.fr	Exploring quality of olive oil sold in the Algerian market: a data analysis
Boubrik Fairouz	fairouz.boubrik@univ-bba.dz	Extraction de l'huile essentielle de la cannelle "Cinnamomum cassia" en vue d'une application comme futur aromatisant naturel des aliments.
Adaïka Chaima	adaïka-chaima@univ-eloued.dz	Formation de dérivés hétérocyclique du pyrrole par de nouvelles méthodes
Machana Rabah	rabahmachanahsa@gmail.com	In silico study of biological activity of schiff bases
Aimene Yassine	yassine.aimene@gmail.com	Molecular docking of new pyridyltriazole-based ligands containing an arylsulfonamide pharmacophore as potential carbonic anhydrase inhibitors
Bousetla Ahlem	ahlem.bousetla@umc.edu.dz	Phytochemical Screening, Total Phenolic Content and Antioxidant Activity of tree Extracts's Matricaria genus
Rahmani Abderrahmen	rahmani.ensv@gmail.com	Profil phénolique de l'huile des graines de Pistacia lentiscus Algérienne.
Gheraïssa Noura	nouragherr@gmail.com	RP-HPLC analysis of the phenolic compounds, antioxidant and antimicrobial activities of Salsola foetida Del. (Chenopodiaceae Vent.)
Abdelkader Harzallah Amel	aek.harzallah17amel@gmail.com	Simultaneous HPLC-DAD analysis of apigenin, acacetin, quercetin, and myricetin in Pelargonium zonale.



Bensmail Samira	sa.bensmail@univ-boumerdes.dz	Test d'activité chitinase des isolats fongiques rhizosphériques du blé dur cultivé au centre d'Algérie
Akroum-Amrouche Dahbia	d_akroum@yahoo.fr	The antimicrobial activity study of essential oils against varieties of microorganisms
Ahmed Laloui Hamza	hamzavet21@gmail.com	The First Assessment of Artemisinin From Three Wild Saharan Artemisia Species From Algeria And Their Antioxidant Activities
Bechlaghem Karima	karima_072@yahoo.fr	Toxicité des Huiles essentielles de Cistus ladaniferus (L). sur un ravageur des denrées alimentaires : Callosobruchus maculatus (fab)(Coleoptera: Bruchidea).
Benhelima Abdelkader	abdelkaderbenhelima@yahoo.fr	Traditional medicinal plants used for treating COVID-19 in West Algeria
Boudani Bouharaoua	boudani_k@hotmail.com	Valorisation des huiles essentielles de Lavandula dentata L. et Lavandula stoechas L. du Nord-Ouest Alg©rien.
Derki Maroua	derkimaroua11@gmail.com	دراسة الفعالية المضادة للاكسدة والمضادة للبكتيريا لمستخلص الفينولي الخام لثمار نبات لقناوية

## ROOM POSTER 09 Green chemistry applications & benefits

MANAGER: Dr. SOUROUTI Abdelghani (U. El-Oued)

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JURY 2: Dr. HACHANI Salah (U. El-Oued)

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Benhachem Fatima Zahra	f.benhachem@yahoo.com	Evaluation de la qualit ©des eaux de barrage de Hammam Boughrara
Mohamed Khechai	khechai07@gmail.com	Extraction of propanol from aqueous solution by 1, 8-cineole at T= 291.15 K: Experiments and NRTL model
Timedjeghdine Mebarka	timedjeghdine.mebarka@gmail.com	Extraction of propionic acid from aqueous solution by solvent extraction liquid-liquid of water+ propionic acid+1-butanol and water+ propionic acid+3-methylbutan-1-ol systems at T=291.15K
Djellouli Amir	amir.djellouli@yahoo.fr	Extraction of Propionic Acid from Waste Water Using Rosemary
Boudjeltia Mohammed Amine	mba947@gmail.com	First-principles study of the structural, electronic and thermoelectric properties of Rh-based Half-Heusler compound
Okba Louafi	louafiokba7@gmail.com	Green synthesis of nickel oxide nanoparticles using artemisia herba-alba aqueous leaves extract
Bensatal Ahmed	matmatidz@gmail.com	In vitro dissolution of lithiasis by saponins fraction of Quercus
Takhedmit Dyhia	dyhia.takhedmit@gmail.com	Influence du pH sur le procédé de traitement électrochimique des solutions aqueuses de phénol
Semassel Seif Eddine	s.semassel@univ-skikda.dz	leachate treatment from solid waste by natural coagulants
Kirdi Rachida	youracha@yahoo.fr	Liquid-gas biphasic system in isoamyl acetate production
Boukroune Nadjat	boukrounenadjet@yahoo.fr	Modélisation de la purification de l'acide phosphorique Par extraction liquide-liquide
Youcef Maalem	maalemyoucef1993@gmail.com	Modélisation Thermodynamique des Equilibres de Phases à Haute Pression des Mélanges des Fluides Frigorifiques:Etude des Points Critiques

Amina Benaissa	a.benaissa@univ-skikda.dz	Molecular modeling study of depollution of linuron by inclusion complexation with - $\alpha$ -cyclodextrin
Kirdi Rachida	youracha@yahoo.fr	Mycelium-bound Carboxylesterase from <i>Aspergillus oryzae</i> : an efficient catalyst for Cis-3-hexenyl acetate production
Lacene Necer Imane	laceneimen@gmail.com	Natural and magnetic bentonite nanocomposites as adsorbent for removal of diazin green dye from wastewater: equilibrium and thermodynamic studies.
Bouchel Wissem	wissem.bouchel@gmail.com	Photocatalytic Degradation of Gentian Violet by TiO <sub>2</sub> Thin Films
Ghouil Boudjemaa	boudjemaa.ghouil@univ-jijel.dz	Preparation of microfiltration ceramic membrane supports using Algerian clay
Khebli Zineb	khgh1305@gmail.com	Preparation of Porous Ceramic Membranes Using Local Algerian Natural Raw Materials
Masmoudi Toufik	toufik.masmoudi@univ-biskra.dz	Modélisation de la purification de l'acide phosphorique Par extraction liquide-liquide
Ounis Roumaissa	ounissou@gmail.com	Redox potential and scavenging assay of hydromethanolic extract from <i>thymelaea hirsuta</i> areal parts
Amira Hind	hindaamira12@gmail.com	Scavenging and redox potential activities of hydro-methanolic extract from <i>achillea odorata</i> areal parts.
Abismaïl Youcef	abismaïl.09@gmail.com	Study the antilitholytic activity of aqueous extract from <i>Paronychia capitata</i> L. plant in vivo
Bouider Badis	bouiderbadis@gmail.com	Synthèse d'un charbon actif pour l'élimination des polluants en phase aqueuse par adsorption et photo catalyse
Boutalbi Abdelhakim	abj.bentria@gmail.com	The Influence of Hydrogel Application on Agriculture in Sandy Soil -Oued Souf-
Rizi Hadjer	Hadjar.rizi@univ-setif.dz	The use of extreme vertices design for concrete formulation
Akacha Madjda	madjda.akacha@univ-setif.dz	Thymoquinone's effect on methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) evaluated by computer stimulation (docking).
Boulmerka Safa	safsofa1000@gmail.com	Synthèse d'un charbon actif pour l'élimination des polluants en phase aqueuse par adsorption et photo catalyse
Fatiha Lassouane	flassouane@gmail.com	Utilisation d'un biocatalyseur immobilisé pour l'élimination d'un perturbateur endocrinien dans l'eau
Zouari Ahmed Rachida	rachida.za@gmail.com	تقدير المحتوى الفينولي و النشاط المضاد للأكسدة و البكتيريا للمستخلص الخام لبذور نبات القناوية <i>Abelmoschus esculentus</i> L

## End GCNP'2022 SCHEDULE

GCNP'22 Chairman



Dr. Ammar ZOBEDI

