

Abou Bekr Belkaid University of Tlemcen

Faculty Of Natural And Life Sciences and Earth and
Universe Science

Laboratory of Genetic applied on agriculture, environment
and public health

CERTIFICATE OF PARTICIPATION

This certifies that

Mrs . CHETOUANI ASMA

Presented a Poster : **Assessment of the Antibacterial Potential of Melissa officinalis Essential Oil**

With Co-authors: Haffar H , Neche Z , Akrib F.

In the 9th International Seminar MGIBR of « BIODIVERSITY : Food Security & Health »
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الطبيعية والحياتية
والعلوم الأرضية
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Assessment of the Antibacterial Potential of *Melissa officinalis* Essential Oil

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Summary

The lamiaceae family has about 3,000 species, is widely distributed in Algeria among them, we find the *Melissa officinalis*. The purpose of this study is to extract the essential oils of this species, as well as the study of antibacterial activity and the study by infrared and ultraviolet. Through these results, we find that the estimated yield of 2.42% is very acceptable. As well as the efficacy of the essential oil is important against certain strains of bacteria compared to certain references.

Keywords: essential oils, antibacterial activity, *Melissa officinalis*, Infrared.

INTRODUCTION

Medicinal plants are an important source for pharmacological research and drug development, not only when their constituents are used directly as therapeutic agents, but also as raw materials for drug synthesis (Khouchlaa *et al.*, 2020).

However, microbial infections remain serious conditions, and their frequency needs to be increased (Lanna-Filho, 2023). Furthermore, the extensive use of antibiotics in human medicine and in animal husbandry has led to the selection of resistant microbial strains. This phenomenon of bacterial resistance to antibiotics is increasingly developing almost universally, and it has therefore become crucial to direct research towards effective therapeutic agents with the least possible side effects (Young, 2008).

Plant extracts, however, are beginning to attract a great deal of interest as a potential source of natural bioactive molecules (Verhaegen *et al.*, 2023).

It has also been inferred from research work that some plants have antibacterial effects (Xu *et al.*, 2019), antifungal effects (Doehlemann *et al.*, 2017) and even quite powerful antiviral effects. Among these plants we find *Melissa* (Petrisor *et al.*, 2022) which has been consumed by humans since ancient times, in infusion as a liquid extract, for its formidable relaxing and antioxidant virtues...etc.

In Algeria this plant is somewhat ignored due to negligence by the scientific community. The aim of our work is to uncover the secrets of a mysterious plant especially its antimicrobial effects. The objective of this work is the extraction of the essential oils of *Melissa officinalis* from the Maadid-M'sila-Algeria region, as well as the evaluation of its antibacterial power.

1 MATERIALS AND METHODS

1.1 Material

Melissa officinalis (Figure 1) is a perennial plant that grows to a height of 30 to 80 cm (sometimes reaching up to 1 meter). Its stems are erect and divided into several secondary stems called "branching stems." The leaves are large and oval. (Ozturk *et al.*, 2004).



Figure 01 : *Melissa officinalis*

1.1.1 Harvest

The study was carried out on the aerial parts (leaves, stems). *Melissa officinalis* was harvested from the M'aadid region, 35 km from the wilaya of M'sila, during the month of May. Drying eliminates the water retained in the plant. It is carried out in the shade and protected from light.

1.2 Extraction of *Melissa Officinalis* essential oils

Essential oils from the *Melissa officinalis* plant were extracted using a Clevenger-type device.

This method involves introducing 40g of plant material into a 1L flask containing 450ml of distilled water. The flask is then boiled for 1h30min using a heater. The vapors, loaded with essential oil, pass through the condenser and condense before falling into a decantation funnel, where the oil separates from the water by density difference (**Abdelli, 2017**). After extraction, the volume of essential oil obtained was measured and then stored in a sterile eppendorf. The eppendorf was covered with aluminum foil, protected from light and then stored in a refrigerator at 4°C until use for chemical and biological testing. The essential oil yield (EOY) is defined as follows (**Benbouali, 2006**):

$$Y = (w_{EO} / w) \cdot 100$$

Y and **w_{EO}**: Yield (%) and mass of *Melissa officinalis* essential oil (g). **w**: Mass in grams of dry plant matter (g).

I.3. Antibacterial activity

This method is based on the antibio-gram principle. Sterile Wattman paper discs, 6 mm in diameter, containing 10 µl of extracts to be tested, are deposited with sterile forceps on the surface of an agar medium suitable for each strain (**Hardman, 1996**). The essential oil is diluted to different concentrations with DMSO.

The bacterial reference strains used are : *Escherichia coli*: (Gram-), *Staphylococcus aureus*: (Gram+) and *Proteus vulgaris*: (Gram-)

I.4 Structural identification methods

I.4.1 Ultraviolet spectrometry (UV-Visible)

These spectral measurements are important in identifying many of the oil's constituents. In this technique, we use highly diluted plant solutions against a 15% ethanol blank, most of whose compounds are highly soluble.

I.4.2 Infrared spectrometry (IR)

The IR spectrum is widely used to identify the constituents of essential oils, especially after their separation by GPC (**Claude, 1997**).

2 RESULTS

2.1 Yield calculation

The average extraction yield of essential oils obtained is : $Y = 2.37 \pm 0.13\%$.

2.2 Organoleptic characteristics of the essential oil

The essential oil prepared has the following organoleptic characteristics: Appearance: liquid, Color: light yellow, Odor: Aromatic and Type: volatile

2.3 Antibacterial power

Figure 02 shows the antibiogram of the diameters of the zones of inhibition of the antibiotic GN10 and EO at different concentrations, on *E.Coli* and *Proteus vulgaris* strains respectively.

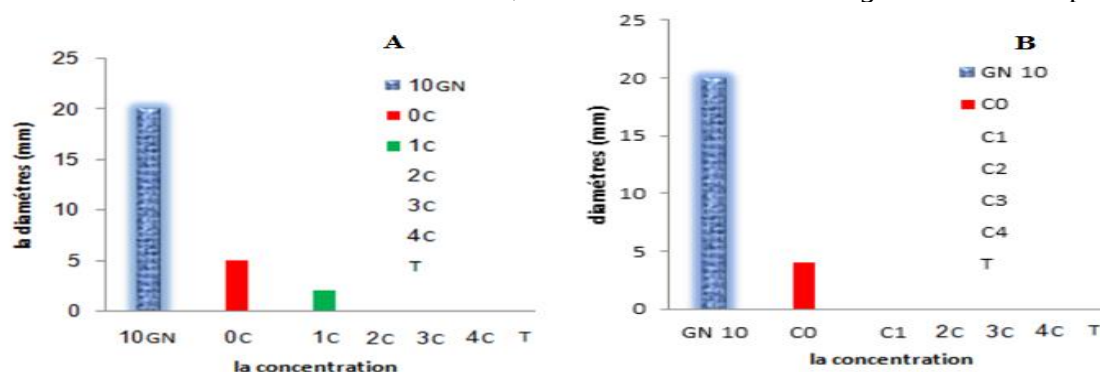


FIGURE 02 : Diameters of the inhibition zones of *E.Coli* (A) and *Proteus vulgaris* (B)/antibiotic (GN10) and different concentrations of Melissa EO.



Figure 03 Antibiotic inhibition zones (GMI 15) (right), and EO at different concentrations (left) on *staphylococcus aureus*.

2.4 Structural identification methods

2.4.1 Ultraviolet spectrometry (UV-VISIBLE)

The absorption spectrum recorded in the ultraviolet-visible range (200-800 nm) of *Melissa officinalis* essential oil, diluted in DMSO, shows the appearance of an absorption peak at 271 nm, with a very small shoulder around 320 nm (**figure 04A**).

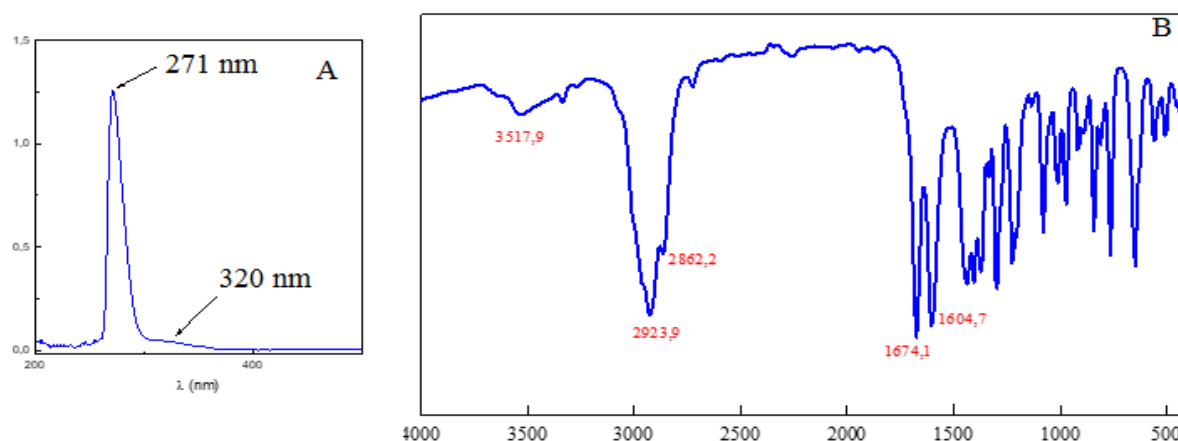


Figure 04 Spectre ultraviolet-visible (A) et Infrarouge (B) d'huile essentiel *Melissa officinalis*

The complete absence of absorption in the visible region (400-800 nm) can be explained by the presence of colorless (transparent) compounds in the EO composition (organoleptic character of EO).

2.4.2 Infrared spectrometry (IR)

Figure 04B shows the IR spectrum of *Melissa officinalis* EO, diluted in DMSO, on KBr pellets, recorded between 400-4000 cm^{-1} .

2 DISCUSSION

Taking into account the fresh harvest (young plant) of *Melissa officinalis*, we can see that our plant is very rich in E.O. (R = 2.37%). It should be noted that the work carried out by **Berrabha et al., 2022** showed a low EO. content in *Melissa officinalis* (around 0.26%), from the hammam melouane region of Blida.

In fact, EO content varies not only from one plant to another of the same family, but also according to extraction parameters: solid-liquid, temperature, extraction solvent, particle size and solvent diffusion coefficient. This richness can also be explained by the method chosen (hydrodistillation by Clevenger), as well as the climatic parameters of the harvesting region.

Observation of the results (**figure 02**) shows that :

- *E. Col* and *proteus vulgaris* are highly sensitive to ATB GN10 ($\phi = 20\text{mm}$). The EO gives no zone of inhibition towards *Proteus vulgaris* and *E. Col*. *Proteus vulgaris* are resistant to *Melissa* EO at different concentrations.

Figure 03 shows the antibiogram of the effect of the antibiotic GMI 15 and HE at different concentrations on the *Staph* strain. The various results obtained lead us to conclude that - *Staph* is highly sensitive to TBA (GMI 15) ($\phi = 20\text{mm}$) and highly sensitive to EO at concentrations: C_0 , C_1 and C_2 ($\phi \geq 20\text{mm}$).

The presence of ultraviolet absorption provides useful information on the structure of the various components of HE, and may indicate the absence of saturated lipids, alkanes, aliphatic amino acids or sugars in the DMSO-soluble fractions.

Indeed, the peak at 271 nm can be attributed to $\pi-\pi^*$ transitions (electrons from unsaturated bonds). However, the shoulder at 320 nm may be due to $n-\pi^*$ transitions, electrons from non-bonding doublets (the possible presence of oxygenated compounds) (**Mazaheri-Tirani et al., 2023**).

Observation of the IR spectrum of *Melissa officinalis* oil has enabled us to note the clarity of this spectrum, which may be due to the presence of one or two major compounds. The various absorption bands observed are :

A band at 3517.9 cm^{-1} corresponding to ν - OH, the 2 peaks at 2923.9 and 2854.5 cm^{-1} corresponding to the ν $\text{CH}_3\text{-CH}_2$ group (**Sani et al., 2021**) and the peaks at 1674.1 and 1604.7 cm^{-1} corresponding to the ν $\text{C}=\text{C}$ group of an aromatic nucleus.

CONCLUSION

Melissa is traditionally used for its sedative properties. Studies have been conducted for decades to establish whether the plant's properties can be scientifically developed. It is now accepted that many systems are involved in this activity. The oil produced by hydrodistillation has a yield of around 2.37% of plant matter. This value confirms *Melissa Officinalis*'s rich volatile oil content. However, monitoring the antibacterial effect of the EO using the disc method enabled us to conclude, on the one hand, that *E.Coli* was remarkably resistant to the EO. On the other hand, *Staph* proved to be extremely sensitive to EO at high concentrations (C_0 and C_1), and more or less sensitive at low concentrations (C_2 and C_3).

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Conference of Management & Genetic Improvement of Biological Resources

BIODIVERSITY : FOOD SECURITY & HEALTH

April 20-21-22, 2024 Faculty of nature and life Science

Guest of Honor



Prof. Meghachou Mourad
the rector of the university



President
Prof. Gaouar Semir Bechir Souheil



Prof. Mokhtari-Soulimane Nassima
the dean of the faculty



Vice president
Dr. Sidhoum Mohamed

April 20th 2024 : Plant & Microorganism

April 21st 2024 : Animal & Health

April 22nd 2024 : Work Day & General Meeting

Program Schedule

First Day April 20th: Vegetal - Microorganism

Opening and Registration	08:00 - 08:30
Word of the rector	08:30 - 08:40
Word of the dean	08:40 - 08:50
Keynote Speaker Talk	08:50 - 10:00
Q & A Session and Discussion	10:00 - 10:30
Coffee Break ☕	10:30 - 11:00
Oral Session	11:00 - 13:00
Lunch 🍽️	13:00 - 14:00
Oral Session (continuation)	14:00 - 15:00
Poster Session	15:00 - 16:30
Coffee Break ☕	16:30 - 17:00
Closing Remarks	17:00 - 17:30

Second Day April 21st : Animal - Health

Opening	08:15 - 08:30
Keynote Speaker Talk	08:30 - 10:00
Q & A Session and Discussion	10:00 - 10:30
Coffee Break ☕	10:30 - 11:00
Oral Session	11:00 - 13:00
Lunch 🍽️	13:00 - 14:00
Oral Session (continuation)	14:00 - 15:00
Poster Session	15:00 - 16:30
Coffee Break ☕	16:30 - 17:00
Closing Remarks	17:00 - 17:30

Third Day April 22nd : Work Meeting

General Meeting	09:00 - 10:00
Coffee Break ☕	10:00 - 10:30
Creation of the North African Genetic Resources Network for Food and Agriculture (NAGENRA)	10:30 - 12:30
Lunch 🍽️	12:30 - 13:30
A cultural tour of the landmarks of Tlemcen	The Afternoon

Keynote Speakers



Gouar Semir Bechir Souheil
" Biodiversity: are what we see a total diversity? "



Abdoallah SHARAF
"Biodiversity Genomics in the 'Omics' Era"



Aid-Bouderies Malika
" Biomedical Informatics and Translational Medicine : an AI-Multi-Omics Perspective "



Touati Benoukraf
" Microbiome analysis from metagenomics sequencing data "



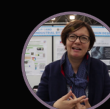
KAHIA-TANI Samira
" Genomic Approaches for Biodiversity Analysis "



Olivier Hanotte
" The known and the unknown about African indigenous cattle diversity and adaptation "



BROCKMANN G. A.
" Genetic information for the maintenance and improvement of small breeds like German Black Pied Cattle (DSN) "



Elena Ciani
Design and development of a medium density SNP array for dromedaries: perspectives and critical points.



BIODIVERSITY : FOOD SECURITY & HEALTH

Oral Session Program

First Day : April 20th , 2024

Topic 1 : Plant

11:00 – 15:00

Room 1

Each intervention lasts a maximum of 15 minutes, according to the order below

Etude de la diversité du mil perlé (*Penisetum glaucum* L. R. Br.) algérien

KIROUANI A

Sélection gamétophytique et évaluation de la diversité génétique chez les espèces annuelles du *Medicago* basé sur l'étude de l'effet du stress salin sur la germination et la croissance des tubes polliniques

Moulai Djilali

VALORIZATION OF DATE SEEDS: EXTRACTION OF BENEFICIAL COMPOUNDS FOR HUMAN HEALTH

BELMIMOUN Asmaa

Sensibilité et résistance des souches bactériennes responsables des infections nosocomiales vis-à-vis l'huile essentiel du genre *Thymus ciliatus*

Aicha Touhami

l'evaluation of antibacterial and antifungal activity of extracts of *leavesolea europaea* and *leaves ficus carica*.

AISSAOUI Y

Formulation d'un lait végétal à base d'amande et de mélasse de caroube

FERNANE S

Exploring diversity in salt stress tolerance among durum wheat (*Triticum durum* Desf) varieties during germination.

Nasrine Salhi

XYLELLA SPP: AN EMERGING AGROECOLOGICAL THREAT TO AGRICULTURE AND FOOD SECURITY AT LOCAL, REGIONAL AND GLOBAL SCALES

Meribai Abdelmalek

Importance d'une approche d'Eco développement sur la biodiversité d'un espace agroécologique –cas de la commune de Tessala wilaya de Sidi Bel Abbes- ALGERIE OCCIDENTALE-

CHIALI CHARIF

Evaluation des activités isoenzymatiques des peroxydases chez deux populations de *Medicago polymorpha* contrastés à la salinité par électrophorèse PAGE

Bakhti Abdnasseur

Contribution à l'étude de la performance et de la stabilité des rendements de blé dur (*Triticum durum* Desf.) par l'Analyse de l'interaction GXE pour des fins d'amélioration variétale sous environnement semi-aride en Algérie

HADDAD L

Obtention de plantes de fenugrec résistantes au déficit hydrique par amorçage de leurs graines avec le silicium

BOUCHELH L

Titre : Caractérisation Morpho-Biométrique et Moléculaire des écotypes locaux de Niébé (*Vigna Unguiculata* Subsp *Unguiculata* (L.) Walp) de La région de Tamanrasset

Basseddik Aida

Diversité morphologique des glands de *Quercus* sp dans le nord-ouest de la Tunisie et de l'Espagne

BEN YAHIA K



BIODIVERSITY : FOOD SECURITY & HEALTH

First Day : April 20th , 2024

Topic 2 : Microorganisms

11:00 – 15:00

Room 2

Each intervention lasts a maximum of 10 minutes, according to the order below

Isolation, phenotypic identification and pathogenicity test of *Erwinia* sp. from potato agricultural fields

Mokrani Slimane

Innovative Formulations of Microbial Medium Utilizing Beetroot Powder: A Sustainable Substitute for Commercial Man-de-Rogosa Sharp Agar (MRS) in Cultivating Lactic Acid Bacteria.

BELHADJ OUSSAMA K

Harnessing Mycorrhizal Fungi for Enhanced Plant Growth and Eco-Friendly Biofertilizers

SALMI.I.

Impact of fungal endophytes isolated from halophytic plant on tomato seed germination under salt stress

CHEBAANI F. Z

The bee venom of Algeria's *Apis mellifera* between a toxic product and a natural antimicrobial product against infection and nosocomial diseases

AISSAOUI Hadjira

Clonage et biosynthèse de cinq nouvelles bactériocines de la classe II produites par *Lactobacillus paracasei* et douées d'une activité antagoniste contre des souches pathogènes d'*Escherichia coli*

BENDJEDDOU K

From Algerian Sahara Soil to New Drugs: Exploring the Microbial Biodiversity Treasure Chest

MESSAOUDI, O

Valorisation of a novel *Stutzerimonas nitritolerans* PF2 : OR690900 in degrading Acetamipride and carbamate pesticides in agricultural soils

Nahla Bekenniche

ESPECES ENTEROCOCCUS FAECIUM ET FAECALIS EN TECHNOLOGIE LAITIERE/FROMAGERE: ENTRE UTILITE BIOTECHNOLOGIQUE, BIENFAITS PROBIOTIQUE ET RISQUES TOXICOLOGIQUES POUR LA SANTE HUMAINE

Meribai Abdelmalek

Evaluation of the antibacterial and anti-fungal effect of the association of extra virgin olive oil and honey

AISSAOUI y

Enhancing C-phycocyanin Extraction from *Spirulina platensis* Dry Biomass: Optimizing Freeze-Thaw, Enzyme, Ultrasound, and Pulsed Electric Field Assisted Methods

BERROUANE N

Probiotic strain SL42 *Lactobacillus rhamnosus* improves valproic acid- induced autism-like behaviour in Wistar rats.

Ibrahim Saleh Mahmoud WARAK

Molecular characterization of *Hyalomma scupense* Schulze, 1919 vector of *Theileria* spp. in Algeria

Naila AOUALI

Study of the amylolytic activity of thermophilic bacteria isolated from an Algerian hot spring (Azzaba, Skikda)

BOUAITA S.

Biofertilizers: a novel practice for crop protection in saline soils of arid and semi arid areas

BAHA N.

Essai thérapeutique in vivo de l'effet antimicrobien de *Curcuma longa* sur des souches de *Streptococcus mutans* d'origine buccal

ALLAL N

Étude des *Alternaria* spp. impliqués dans la détérioration des Brassicacées cultivées en Algérie.

N. BESSADAT

Evaluation du potentiel inhibiteur de certaines bactéries lactiques isolées du lait cru des espèces bovine ovine et caprine contre *Aspergillus flavus*

HOUACINE A.

Champignons épiphytes de la feuille de *Calicotome spinosa* Desf de la région de Ouaguenoun (Tizi-Ouzou, Algérie)

ZAREB. A

High levels of MDR and antimicrobial resistance in *Escherichia coli* isolates from cattle and poultry in Algeria

BAROUR D

Resistance profile and biofilm formation capacity in slaughterhouses in the Blida region (Algeria)

AOUES K.

Évaluation du potentiel antibactérien des extraits foliaires (Algériens et Tunisiens) de *Melia azedarach* contre des bactéries pathogènes par l'induction de ROS

TOUZOUT S.N

Contribution to the study of the antagonistic effect of autochthon lactic strains isolated from raw cow's milk against *Staphylococcus* sp and *Listeria monocytogenes* CECT148

SELLAKH K

The role of probiotics in the female reproductive tract

ZIAR H.



BIODIVERSITY : FOOD SECURITY & HEALTH

Second Day : April 21st , 2024

Topic 3 : Animal

11: 00 – 15: 00

Room 1

Each intervention lasts a maximum of 15 minutes, according to the order below

Economic analysis of cattle breeding around the recently
created dairy basin in the Hodh Chargui region-Mauritania
Mohamed OULDAHMED

Camels: versatile food source in Sahara desert
TRABELSI H

THE EFFECT OF THE SHEEP BREED ON BODY MEASUREMENTS
AND CARCASS CHARACTERISTICS IN EAST ALGERIE
Hind Houssou

Le lait de chamelle pour une sécurité alimentaire durable
MEKRI M

Étude des réponses physiologiques de deux souches de poules pondeuses sous challenge thermique
HAMMOUCHE D

Eléments de diversité insulaires algérienne
Pr. Riadh MOULAI

Biodiversité et services écosystémiques des zones humides : cas des marais de la Macta en région semi- aride
Souidi Z

Genetic Diversity and Maternal Origins of Indigenous Sheep Populations in north Ethiopia
Mulata Hayelom Adhena

The known and the unknown about African indigenous cattle diversity and adaptation
Hanotte O

Genetic information for the maintenance and improvement
of small breeds like German Black Pied Cattle (DSN)
BROCKMANN G. A.

Exploring the genomic diversity in Nubian, Old English, and Anglo-Nubian goat breeds
RAHMATALLA S. A

Bottleneck effect in indigenous chicken of Poonch region located at international border of India and Pakistan
Mandeep Singh Azad

Economic analysis of cattle breeding around the recently created dairy basin in the Hodh Chargui region-
Mauritania
EL HADJ Y

Preservation and fragmentation of the skeletal elements of rodent-prey found in the rejection pellets of the Pharaoh
Eagle-Owl *Bubo ascalaphus* (Savigny, 1809) in the North West of Algeria
AROUDJ M.

Comparative honey production and hoarding capacity of two native honey bee subspecies in laboratory condition
Kabli N

Study on Camel Genetic Resources in Tunisia: Towards Sustainable Conservation and Utilization
Abir Hamrouni



BIODIVERSITY : FOOD SECURITY & HEALTH

Second Day : April 21st , 2024

Topic 4 : Health
11:00 – 15:00

Room 2

Each intervention lasts a maximum of 15 minutes, according to the order below

Evaluation of the antibacterial and anti-fungal effect of the association of extra virgin olive oil and honey
AISSAOUI yamina

Contribution of molecular modeling approach to search for new potent cyclooxygenase-2 inhibitors: Molecular docking, Binding free energy, ADME and Toxicity prediction
DERARDJA Imene

Exploration de l'effet du Rhamnus alaternus sur le diabète type 2 chez les rats Wistar
REFFAS Anissa Imène

BIODIVERSITY OF STAPHYLOCOCCUS STRAINS ISOLATED FROM A HEALTHCARE UNIT
Henni Fatima Zohra

Ecological and Health Implications of Microcystins on Fish in the Context of Cyanobacterial Water Blooms: A Comprehensive Review
AOUNALLAH chaïma

المساهمة في تحقيق الأمن الغذائي عبر الحفاظ على التوازن البيئي بالسهبوب الجزائرية
رباح علي

Assessment of the Influence of Chia Seed integration on the Physicochemical characteristics and nutritional qualities of Yogur
MOUDACHE messad

Effect of date (Phoenix dactylifera L) pectins on neurological markers of lead acetate poisoning
OULDALI ouardia

Analyzing the impact of urban expansion on agricultural land in district Lahore, Pakistan
Shakeel Mahmood

Third Day : April 22nd , 2024

Morning : Work Day and General Meeting

Afternoon : A cultural tour of the landmarks of Tlemcen



Horodateur	First Name	Last Name	Mail	Institution	Country	Wilaya	Degree	Type of participation	Topic of participation
11/28/2023 7:59:	Adhena	Mulata	mulata.ha@gmail.com	Ethiopian Biodiversity Ins	Ethiopia	Mekelle	Teacher/ Researcher	Oral	Animal
2/16/2024 20:42:	KAHIA	AMIRA	amirakahia673@gmail.com	University of Science and	Algeria	Alger	Master student	Poster	Animal
2/19/2024 11:52:	tamrabet	sara	sarahtamrabet9@gmail.com	Oum El Bouaghi EL Arbi	Algérie	Oum El Bouaghi Ain	Master student	Poster	Animal
2/20/2024 22:40:	Nadour	Imene	imenenadou3@gmail.com	Ecole supérieure en scienc	Algérie	Oran	Master student	Poster	Animal
2/20/2024 22:59:	Nour El Houda	HAMDAOUI	nourelhoudahamdaoui618@gmail.	Tlemcen	Tlemcen	Tlemcen	Master student	Poster	Animal
2/20/2024 23:40:	boudhir	hanaa chahinaz	hanaachahinazbou@gmail.com	Département science de b	Algeria	TLEMCE	Master student	Poster	Animal
2/21/2024 22:47:	MEGHAGHI	SOMIA ASMA	soumiamgh22@gmail.com	Abou Baker Belkaid Univ	Algerian [1]	Tlemcen	Master student	Poster	Animal
2/26/2024 22:52:	belhadj	mohamed el ami	blhamino13@gmail.com	University of Abou Bekr	Algeria	tlemcen	Master student	Poster	Animal
1/19/2024 21:56:	Khedim	Radjaa	radjaa.khedim@univ-tlemcen.dz	University of Tlemce	Algeria	Tlemcen	Master/licence student	Poster	Animal
2/20/2024 1:48:3	aziza	ferag	ferag.aziza@gmail.com	university of Mohammed	Algeria	Souk Ahras	Phd Student	poster	Animal
2/20/2024 23:21:	Nadjoua Malika	Bouherour	nmbouherour@gmail.com	Université 8 Mai 1945 Gu	Algeria	Guelma	Phd Student	poster	Animal
11/29/2023 23:44	Bekakra	Oussama	bekakra.oussama@univ-ghardaia.	University of Ghardaia	Algeria	Oum el bouaghi	PhD student	Poster	Animal
11/30/2023 19:46	HAMADY	SIDI	sidiqua.iset@gmail.com	Institut Supérieur d'Ensei	Mauritanie	ROSSO	PhD student	Poster	Animal
12/31/2023 14:3	MAHI	Bachir	bachir.mahi@univ-relizane.dz	University of Relizane	Algérie	Mascara	PhD student	Poster	Animal
1/2/2024 23:11:3	Afraoucene	Imene	afraoucene_imene@univ-blida.dz	Institut des sciences vété	Algeria	Algiers	PhD student	Poster	Animal
1/6/2024 16:24:3	Siad	nacira	n.siad@lagh-univ.dz	Université AMAR TELIDJ	Algeria	laghouat	PhD student	Poster	Animal
1/14/2024 19:10:	GUEDDOUL	Messaoud	gueddoul-messaoud@univ-eloued	university of Eloued	Algerie	Eloued	PhD student	Poster	Animal
1/20/2024 20:23:	BOULILA	IMANE	boulila.imane@univ-ouargla.dz	université ouargla	Algérie	ouargla	PhD student	Poster	Animal
1/29/2024 10:16:	Teffahi	Marwa	marwateffahi7@gmail.com	Université de Abi Bekr be	Algeria	Tlemcen	PhD student	poster	Animal
1/30/2024 14:55:	mehalaine	khadidja	khadidja.mehalaine@univ-tebessa	Echahid Cheikh Larbi Tet	Algeria	Ain Bieda -Oum El B	PhD student	Poster	Animal
2/5/2024 11:22:3	SEFSAF	Benoumeur	b.sefsaf@cnrdpa.dz	University Djilali Liabes	Algeria	Sidi Bel abbes	PhD student	Poster	Animal
2/8/2024 20:58:4	Benmehal	Amina	amina.benmehal@univ-mosta.dz	Université AbdelHamid ib	Algérie	Mostaganem	PhD student	Poster	Animal
2/10/2024 18:08:	Haddadi	Imane	imane.haddadi@univ-tlemcen.dz	Université abou bekr belk	Algérie	Tlemcen	PhD student	Poster	Animal
2/11/2024 13:41:	ATIG	RANIA	atigraniasaida@gmail.com	université aboubaker bell	ALGÉRIE	87 city sidi gacem -s	PhD student	poster	Animal
2/11/2024 15:34:	MAHI	BACHIR	bachir.mahi@univ-relizane.dz	university of Relizane	Algérie	Relizane	PhD student	Poster	Animal
2/14/2024 1:04:1	HADDADI	IMANE	haddadiimene569@gmail.com	université abou bekr belk	Alegria	tlemcen	Phd Student	Poster	Animal
2/15/2024 10:56:	Nana Fatima Zol	LASSAKEUR	nanalassakeur1@gmail.com	Université de Tlemcen	Algérie	Sidi Bel Abbès	Phd Student	Poster	Animal
2/16/2024 13:11:	Khawla	BELARBI	khawlabelar097@gmail.com	University of Hassiba Ber	Algeria	Tlemcen	Phd Student	Poster	Animal
2/17/2024 17:53:	Lyes	Aissat	lyesaissat1982@gmail.com	Bejaia university	Algeria	Bejaia	Phd Student	Poster	Animal
2/17/2024 22:08:	menad	fatima zohra	menad.fatimazohra@univ-ouargla.	university of ouargla	algeria	tiaret	Phd Student	Poster	Animal
2/18/2024 10:09:	Wahiba Tiziri	Baameur	baameurwahibatiziri@gmail.com	USTHB	Algerie	Alger	Phd Student	Poster	Animal
2/18/2024 10:43:	Kechemir	Lina hanane	klh28990@gmail.com	Université Mouloud mam	Algerie	Tizi ouzou	Phd Student	Poster	Animal
2/18/2024 12:55:	BOUDJADJOUA	Siham	sihamb701@gmail.com	Saad dahleb blida 01	Algeria	Blida	Phd Student	poster	Animal
2/18/2024 23:27:	Amina	Lakmeche	aminalakmeche@gmail.com	Université des Sciences e	Algérie	Oran	Phd Student	Poster	Animal
2/19/2024 18:56:	Amina	AMRAOUI	amraouiaminaam@gmail.com	Institut des sciences vété	Algérie	Constantine	Phd Student	Poster	Animal
2/19/2024 21:09:	hafsa	boukeloua	hafsaboukeoua@gmail.com	université les frères ment	ALGERIA	CONSTANTINE	Phd Student	Poster	Animal
2/20/2024 0:35:0	Somia	MISSOUM BENZ	smissoum20@gmail.com	Ecole Supérieure en Scie	Algeria	Chlef	Phd Student	Poster	Animal
2/20/2024 1:29:4	Aymen	Hadjab	aymen.hadjab.eco@gmail.com	Université 8 Mai 1945 Gu	Algérie	Guelma	Phd Student	poster	Animal
2/20/2024 12:06:	Fouzia	MOUHOUB	mouhoubfouzia590@gmail.com	Université Kasdi Marbah	Algérie	Ouargla	Phd Student	Poster	Animal
2/20/2024 12:32:	Nabil	BERRAHAL	nabil.berrahal.etu@univ-mosta.dz	Université de Mostagane	Algérie	Mostaganem	Phd Student	Poster	Animal
2/20/2024 12:33:	Benguennouna	Nouredine	noureddine.benguennouna.etu@u	université Abdelhamid ibr	Algérie	Mostaganem	Phd Student	Poster	Animal
2/20/2024 16:59:	Yaмина	Haider	y.haider@univ-boumerdes.dz	university of Boumerdes,	Algeria	Boumerdes	Phd Student	Poster	Animal
2/20/2024 19:47:	sakina	gherbi	gherbisakina31@gmail.com	University of Science and	Algeria	oran	Phd Student	Poster	Animal
2/20/2024 21:12:	KERKACHE	Hayet	hayet.kerkache@univ-bejaia.dz	Béjaia university – Abden	Algeria	Bejaia	Phd Student	Poster	Animal

2/20/2024 21:16:	Bali	Imene	baliamouna2@gmail.com	Badji Mokhtar Annaba	Algeria	Annaba	Phd Student	Poster	Animal
2/20/2024 21:51:	Amira	Larafa	larafaamira20@gmail.com	University of Guelma	Algeria	Guelma	Phd Student	poster	Animal
2/20/2024 22:01:	Asma	Nait Abdallah	asmanaitabd@gmail.com	Laboratoire d'Excellence	Algérie	Annaba	Phd Student	poster	Animal
2/20/2024 22:22:	Ahlem	Baitiche	ahlembaitiche@gmail.com	Université des sciences e	Algérie	Alger	Phd Student	poster	Animal
2/20/2024 22:31:	Meziane	Rofaida	mezianeroufaida14@gmail.com	Université de Ouargla	Algérie	Tiaret	Phd Student	Poster	Animal
2/20/2024 23:14:	Naili	Warida	amalianaili24@gmail.com	Université O8 mai 1945 g	Algérie	Guelma	Phd Student	Poster	Animal
2/20/2024 23:22:	Nadda Abir	SAHRAOUI	abby.sahrr@gmail.com	Université Saad Dahlab E	Algérie	Blida	Phd Student	Poster	Animal
2/20/2024 23:24:	Aroua	KOUADRI	tr.hafida@yahoo.fr	Laboratoire de Bioressou	Algeria	Ouargla	Phd Student	Poster	Animal
2/20/2024 23:37:	Merzoug	Yousra	yousra.merzoug@univ-usto.dz	universite des sciences e	Algeria	Annaba	Phd Student	Poster	Animal
2/21/2024 0:05:1	Hadjer	Djemil	h.djemil@univ-soukahras.dz	Université mohamed che	Algérie	Soukahras	Phd Student	poster	Animal
2/21/2024 0:55:1	Hadjer	DJEMIL	h.djemil@univ-soukahras.dz	Université Mohammed ch	Algérie	SoukAhras	Phd Student	Poster	Animal
2/21/2024 1:44:3	Douaa	Amireche	douaa.amireche@gmail.com	Ufmc1	Algeria	Constantine	Phd Student	Poster	Animal
2/21/2024 10:55:	FENTAZI	NASREDDINE	nasreddinefentazi1994@gmail.com	Université d' Ibn Khaldou	Algérie	Jijel	Phd Student	Poster	Animal
2/21/2024 17:34:	Boudjellaba	Haizia	h.boudjellaba@gmail.com	University of Saad dahlal	Algeria	Tiaret	Phd Student	Poster	Animal
2/19/2024 23:36:	Lekadir	Ali	lekadir.herpetology@gmail.com	El taref, chadli ben jdid. ur	Algeria	El taref	Phd Student	Poster	Animal
2/19/2024 23:12:	LARABI	Nesrine Meriem	meriard22@gmail.com	university aboubekr belka	Algeria	Tlemcen	Phd Student	Poster	Animal, Vegetal
2/20/2024 14:36:	NAIMA	SAIDENE	naima.saidene@univ-bejaia.dz	University of Bejaia	Algeria	Bejaia	Phd Student	poster	Animal, Vegetal
2/19/2024 12:35:	mekri	meriem	meriemmekri@gmail.com	crapc	algerie	tipaza	Researcher	Oral	Animal
2/20/2024 14:29:	Amar	SISSAOUI	amerzoot18@gmail.com	INRAA (Jijel) , Université	Algeria	Jijel	Researcher	Oral	Animal
2/22/2024 13:56:	Gudrun A.	Brockmann	paula.korkuc@googlemail.com	Humboldt-Universität zu	Germany	Berlin	Researcher	Oral	Animal
2/27/2024 10:18:	Olivier	Hanotte	ohanotte@googlemail.com	International Livestock Re	Ethiopia	Addis Ababa	Researcher	Oral	Animal
2/19/2024 13:38:	mehdia	mihoubi	mehdiamihoubizs@gmail.com	crapc	Algérie	alger	Researcher	Poster	Animal
2/20/2024 13:13:	Mohamed	ADAOURI	madaouri@gmail.com	Institut National de la Rec	Algérie	Alger	Researcher	poster	Animal
2/20/2024 14:04:	dilmi	ammar	dilmi80@gmail.com	Centre National de Reche	Algérie	Tipaza	Researcher	Poster	Animal
2/21/2024 0:04:4	Hossem	SAHRAOUI	sahraouihossem@gmail.com	Centre de recherche en b	Algeria	Constantine	Researcher	poster	Animal
2/20/2024 18:46:	cherak	souad	cheraksouade@gmail.com	universite frères mentour	Algerie	constantine	Researcher	Poster	Animal, Vegetal
2/18/2024 3:34:4	OULD AHMED	Mohamed	ouldahmedmohamedm@gmail.com	Institut Supérieur d'Ense	Mauritanie	Nouakchott	Teacher Researcher	Oral	Animal
2/19/2024 11:44:	BOUBEKEUR	Abderrahmen	ma.boubekeur@univ-adrar.edu.dz	ESAS Adrar	Algérie	Adrar	Teacher Researcher	poster	Animal
2/19/2024 13:23:	ALILECHE	KHOUKHA	alilechekhoukha2013@gmail.com	CRAPC	Algérie	Tipaza	Teacher Researcher	poster	Animal
2/19/2024 21:39:	Achour	MENNANI	achour.mennani@univ-msila.dz	University of Msila	Algeria	Msila	Teacher Researcher	Oral	Animal
2/20/2024 1:28:5	Dalila	HAMMOUCHE	d.ham mouche@univ-dbk m.dz	Université Djilali Bounaar	Algérie	Ain Defla	Teacher Researcher	Oral	Animal
2/20/2024 17:11:	Abir	Hamrouni	abir.hamrouni@inat.ucar.tn	Institut Natiinal Agronomi	Tunisia	Tunis	Teacher Researcher	Oral	Animal
2/20/2024 19:29:	Hafida	TRABELSI	tr.hafida@yahoo.fr	Laboratoire de Bioressou	Algeria	Ouargla	Teacher Researcher	Oral	Animal
2/25/2024 13:25:	Siham	Rahmatalla	sihamerwa2010@gmail.com	Humboldt-Universität zu	Germany	Berlin	Teacher Researcher	Oral	Animal
2/15/2024 10:58:	Abbas	LAOUN	a.laoun@univ-djelfa.dz	Faculté SNV- Université c	Algérie	Djelfa	Teacher Researcher	Poster	Animal
2/17/2024 8:11:3	IBRAHIM	BELABDI	ibrahimveto2@gmail.com	Université de Chlrf	algérie	chlrf	Teacher Researcher	Poster	Animal
2/17/2024 11:26:	OULD AHMED	Mohamed	ouldahmedmohamedm@gmail.com	Institut Supérieur d'Ense	Mauritanie	Nouakchott	Teacher Researcher	poster	Animal
2/17/2024 17:49:	Lyes	Aissat	lyesaissat1982@gmail.com	Béjaia university	Algeria	Bejaia	Teacher Researcher	poster	Animal
2/18/2024 12:33:	Abdelhakim	BOUZID	hakimhakimbouzid@gmail.com	Université de Ouargla	Algeria	Ouargla	Teacher Researcher	poster	Animal
2/18/2024 15:26:	Abderrazek	Hocine	hocineabderrazek49@gmail.com	Chadli bendjedid eltarf ur	Algeria	Annaba	Teacher Researcher	Poster	Animal
2/18/2024 20:04:	HARKAT	SAHRAOUI	driaat72@gmail.com	ISV Blida1	Algérie	Blida	Teacher Researcher	poster	Animal
2/18/2024 22:16:	ouarda	MANSOURI	manouriouarda22@gmail.com	Faculty of medicine, univ	Algérie	ANNABA	Teacher Researcher	Poster	Animal
2/19/2024 0:15:1	Amina	BELKHEMAS	amina.belkhemas@univ-tiaret.dz	Tiaret university	Algeria	Tiaret	Teacher Researcher	Poster	Animal
2/19/2024 15:42:	Boudechiche	Lamia	boudechiche.lamia@gmail.com	Université Chadli Bendjed	Algérie	El Tarf	Teacher Researcher	poster	Animal
2/19/2024 21:38:	RAHLA	MEZIANE	rahla.meziane@univ-batna.dz	Institute of the Veterinary	ALGERIA	BATNA	Teacher Researcher	poster	Animal

2/19/2024 23:24:	Abdelhak Karim	MOUSS	a.mouss@univ-dbk.m.dz	Université Djilali Bouna	Algérie	Ain Defla	Teacher Researcher	poster	Animal
2/20/2024 4:12:0	Mostafa	Nassar	mostafa.nassar@agr.cu.edu.eg	Cairo University	Egypt	Giza	Teacher Researcher	Poster	Animal
2/20/2024 10:02:	khadidja	GHOBRINI	khadidja.ghobrini@edu.ensa.dz	Ecole Nationale Supérieu	Algérie	Alger	Teacher Researcher	Poster	Animal
2/20/2024 14:28:	SAOUDI	Zineddine	saoudizd@gmail.com	INATAA, Université Frère	Algerie	Constantine	Teacher Researcher	Poster	Animal
2/20/2024 16:47:	Fatiha	SOLTANI	fatiha.soltani@univ-mosta.dz	Abdelhamid Ibn Badis Un	Algeria	Mostaganem	Teacher Researcher	Poster	Animal
2/20/2024 16:59:	Yasmina	Maibeche	maibsemouma77@gmail.com	Univerdite de bouira	Bejaia	Bejaia	Teacher Researcher	Poster	Animal
2/20/2024 17:00:	mesbah	amel	mesbah.amel.24@gmail.com	université 08 mai 1945 G	Algérie	Guelma	Teacher Researcher	Poster	Animal
2/20/2024 17:41:	GHEIS	Samira	gheid-samira@univ-eltarf.dz	Université chadli bendjed	Algeria	El tarf	Teacher Researcher	Poster	Animal
2/20/2024 17:54:	Bendjedid	Hassina	h.bendjedid@univ-eltarf.dz	Université Chadli Bendjed	Algérie	Annaba	Teacher Researcher	poster	Animal
2/20/2024 18:33:	MOHDEB	Samra	samramohdeb.13@gmail.com	University Ibn Khaldoun	Algérie	Tiaret	Teacher Researcher	Poster	Animal
2/20/2024 18:45:	Bendjedid	Hassina	h.bendjedid@univ-eltarf.dz	Université Chadli Bendjed	Algérie	Annaba	Teacher Researcher	Poster	Animal
2/20/2024 20:27:	HAMADI	Kamel	kamijeune46@gmail.com	FSB / USTHB / Alger.	Algeria	Aliers	Teacher Researcher	poster	Animal
2/20/2024 20:31:	hadjab	ramzi	ramzi.hadjab.eco@gmail.com	UNIVERSITE D'OUUM EL	ALGERIE	OUUM EL BOUAGHI	Teacher Researcher	poster	Animal
2/20/2024 22:27:	SIHEM	DJELLAB	sihem.djellab@univ-tebessa.dz	UNIVERSITE DE TEBES	ALGERIE	TEBESSA	Teacher Researcher	poster	Animal
2/20/2024 23:10:	LADAIMIA	Souad	s.ladaimia@univ-chlef.dz	Université Badji Mokhtar,	Algérie	Annaba	Teacher Researcher	Poster	Animal
2/20/2024 23:38:	SAOUACHE	YASMINA	yasmina.saouache@univ-constant	Université Salah BOUBN	ALGERIE	CONSTANTINE	Teacher Researcher	poster	Animal
2/21/2024 4:10:5	Mostafa	Nassar	mostafa.nassar@agr.cu.edu.eg	Cairo University [2]	Egypt	Cairo	Teacher Researcher	Poster	Animal
2/21/2024 21:36:	imene	ladjama	i.ladjama@univ-eltarf.dz	université Chadli Bendjed	Algerie	EL TARG	Teacher Researcher	Poster	Animal
2/25/2024 18:37:	Hakima	KORTEBY	korteby_hakima@univ-blida.dz	Université Saad DAHLAE	Algérie	Blida	Teacher Researcher	poster	Animal
2/18/2024 22:34:	MOULAÏ	Riadh	moulairiadh@gmail.com	LZA, Université de Béjaia	Algérie	Béjaia	Teacher Researcher	Oral	Animal, Vegetal
2/20/2024 23:53:	Zahira	SOUIDI	soudi.z@univ-mascara.dz	Université de Mascara	Algérie	Mascara	Teacher Researcher	Oral	Animal, Vegetal
2/15/2024 14:50:	Drifa	YALAOUI-GUEL	d.guelal@univ-bouira.dz	FSNV-ST, University of B	Algeria	Bouira	Teacher Researcher	poster	Animal, Vegetal
2/20/2024 21:29:	MELLAHI	Lamia	lamiamellahidz@gmail.com	Université 20 Août 1955	ALGERIE	SKIKDA	Teacher Researcher	Poster	Animal, Vegetal
2/24/2024 16:36:	HADIDI	Lila	lila.hadidi@univ-bouira.dz	University of Bouira	Algeria	Bouira	Teacher Researcher	poster	Animal, Vegetal
11/30/2023 17:04:	Azad	Mandeep Singh	mandeepsinghazad@gmail.com	Sher-e-Kashmir Universit	India	Jammu	Teacher/ Researcher	Oral	Animal
12/1/2023 19:45:	HOUSSOU	Hind	hind.houssou@univ-soukahr.dz	University of Souk Ahras	Algeria	Skikda	Teacher/ Researcher	Oral	Animal
12/26/2023 22:3:	Haou	Abir	a.haou@univ-eltarf.dz	Université Chadli Ben Dj	Algeria	El-Tarf	Teacher/ Researcher	poster	Animal
12/27/2023 19:4:	Belharfi	Fatima Zahra	belharfifatimazohra@gmail.com	university of Tlemcen	Algeria	Tlemcen	Teacher/ Researcher	Poster	Animal
1/10/2024 21:57:	DJAOUT	Amal	djaout.amel08@gmail.com	Institut national de la rec	Algérie	Sétif	Teacher/ Researcher	Poster	Animal
1/20/2024 23:24:	AMEUR	Narimène	NARIMENE.AMEUR@univ-batna2	University of BATNA 2	Algeria	Batna	Teacher/ Researcher	Poster	Animal
2/2/2024 7:10:23	SEKHI	Samira	samira.sekhi@ummt.dz	Université Mouloud Mam	Algérie	Tizi-Ouzou	Teacher/ Researcher	Poster	Animal
2/12/2024 13:48:	MERADI	Samira	meradisamira@yahoo.fr	Centre de recherche scie	Algerie	Biskra	Teacher/ Researcher	poster	Animal
2/25/2024 14:02:	Kabli	Nabila	bila14dz@yahoo.fr	INRAA	algérie	alger	Researcher	orale	Animal
2/19/2024 0:15:1	Amina	BELKHEMAS	amina.belkhemas@univ-tiaret.dz	Tiaret university	Algeria	Tiaret	Teacher Researcher	Poster	Animal
11/28/2023 11:45:	Belmimoun	Asmaa	asmaa.belmimoun@univ-mascara	university of Mascara	Algeria	Mascara	Teacher/ Researcher	Oral	Vegetal
2/19/2024 15:10:	Siham	BERAK	beraksiham@gmail.com	Université Abou Bekr Bel	Algérie	Tlemcen	Master student	Poster	Vegetal
2/20/2024 11:21:	Abdelhak	TAICHA	irvcd1990@gmail.com	The Pan African Universit	Algeria	Tlemcen	Master student	Poster	Vegetal
2/20/2024 19:07:	Sihem/zineb you	Bouhacina /ben	bouhacinasihem@gmail.com	Faculté de science de la	Algérie	Tlemcen	Master student	Poster	Vegetal
2/20/2024 22:26:	Rahim	Slimane	rahim.slimane@gmail.com	Abou Bakr belkaid univer	Algeria	Tlemcen	Master student	Poster	Vegetal
2/20/2024 23:14:	khawla	khaldi	khaoulapharma@gmail.com	faculté des sciences -Ab	Algérie	Tlemcen	Master student	Poster	Vegetal
2/22/2024 19:47:	Wafa	Youcef	wafaayoucef13@gmail.com	Abou Bakr Belkaid univer	Algeria	Tlemcen	Master student	Poster	Vegetal
2/24/2024 22:39:	HANTAOU	nedjma	nedjma2000.alhan@gmail.com	UNIVERSITY OF TLEMC	ALGERIA	TLEMCEN	Master student	Poster	Vegetal
2/24/2024 23:19:	HENAOUI	Zoubida Bouchra	henaouioubouchra213@gmail.com	université Abou Bekr Bel	Algeria	Tlemcen	Master student	Poster	Vegetal
11/30/2023 23:28:	DJELLOUL	Abdelali	adeldjelloul360@gmail.com	Université de Ferhat Abb	Algérie	Sétif	PhD student	Poster	Vegetal
1/12/2024 13:03:	BELAOUT	AMAL	amal.belaout@univ-tlemcen.dz	TLEMCEN	ALGERIA	TLEMCEN	PhD student	Poster	Vegetal

2/15/2024 17:26:	saada	zakia	z.saada@univ-eltarf.dz	université Chadli Ben Jdir	Algérie.	el'taref	Phd Student	Poster	Vegetal
2/20/2024 8:21:5	Chems eddine	TIFEST	tifestchamseddine@gmail.com	Ecole Nationale Supérieure	Algérie	Sidi bel abbés	Phd Student	Poster	Vegetal
2/20/2024 22:57:	YAHLA	Sara	yahla@cuniv-naama.dz	university center of NAAMA	ALGERIA	NAAMA	Phd Student	Poster	Vegetal
2/22/2024 17:24:	Manel Nardjes	Toumi	manelnardjestoumi@gmail.com	University Djilali Liabes	Algeria	Sidi Bel Abbès	Phd Student	Poster	Vegetal
2/20/2024 22:25:	SIBA	Amina	sibaamina1988@gmail.com	Tlemcen University	Algeria	Tlemcen	Phd Student	Poster	Vegetal
11/28/2023 11:34	Daoudi	Chahrazed	chahrazedddk@gmail.com	university de tlemcen	algerie	Tlemcen	PhD student	Poster	Vegetal
11/28/2023 23:25	BENBAHI	IMEN	imen.benbahi@univ-mascara.dz	FACULTE SNV / UNIVERSITE	ALGERIA	MASCARA	PhD student	Poster	Vegetal
1/10/2024 12:31:	FELLAHI	Manel	manel.fellahi@univ-tlemcen.dz	Université de Tlemcen	Algérie	Tlemcen	PhD student	Poster	Vegetal
1/14/2024 14:29:	MILOUDI	Abdelmadjid	abdelmadjid.miloudi@univ-tlemcen.dz	Université Aboubakar Belkaid	Algeria	Bechar	PhD student	Poster	Vegetal
1/21/2024 9:15:1	Merah	Fatima	fatima.merah@univ-mascara.dz	université de Mascara	Algérie	mascara	PhD student	Poster	Vegetal
1/23/2024 9:46:3	Moulay	Oumelkhir	oumelkhir.moulay@univ-usto.dz	Université des sciences et de la technologie	Elbayadh	Elbayadh	PhD student	Poster	Vegetal
1/28/2024 10:08:	ZEGRIR	Anfal	an.zegrir@lagh-univ.dz	Laboratory of fundamental sciences	Algeria	LAGHOUAT	PhD student	Poster	Vegetal
1/31/2024 15:36:	Abdelmoumene	Waffa	waffa.abdelmoumene@univ-tlemcen.dz	abou bekr belkaid tlemcen	algeria	tlemcen	PhD student	Poster	Vegetal
2/3/2024 0:21:14	Sali	yehya	sali.yahia@univ-adrar.edu.dz	Saharan Natural Resources	Algeria	Adrar	PhD student	Poster	Vegetal
2/7/2024 17:13:0	boussadi	lamia	lamia.boussadi@univ-msila.dz	université de M'sila	Algérie	Médéa	PhD student	Poster	Vegetal
2/14/2024 10:51:	Wahiba	Yahiaoui	wahiba.yahiaoui@univ-biskra.dz	Laboratory of Genetic, Biotechnology and Food	Algeria	Biskra	Phd Student	Poster	Vegetal
2/15/2024 12:19:	BELMANAA	Radhia	radhia.belmana@univ-biskra.dz	Université Mohamed Khider	Algeria	Khenchela	Phd Student	Poster	Vegetal
2/15/2024 18:55:	Ikhlās	YOUNES	younesikhlas98@gmail.com	laboratory of Antibiotics, Antivirals and Antifungals	Algeria	Tlemcen	Phd Student	Poster	Vegetal
2/18/2024 22:26:	Amel	DJELLAL	amel.djellal@univ-bejaia.dz	Université de Bejaia	Algérie	Bejaia	Phd Student	Poster	Vegetal
2/19/2024 0:20:2	DJEBBOURI	Kada	djebbourikada1992@gmail.com	University of Tlemcen	Algeria	Tlemcen	Phd Student	Poster	Vegetal
2/19/2024 11:56:	Moussi	Sonia	moussisonia10@gmail.com	Ecole Nationale supérieure de la Santé	Algérie	Bouira	Phd Student	Poster	Vegetal
2/19/2024 14:14:	Bouzoualegh	Ines	inesbouzoualegh@gmail.com	Université Ahmed Ben Bella	Algérie	Oran	Phd Student	Poster	Vegetal
2/19/2024 15:26:	Chafiaa	SARNI	chafiaa.sarni@univ-tiaret.dz	Ibn Khaldoun university of Tiaret	Algeria	Tiaret [4]	Phd Student	Poster	Vegetal
2/19/2024 16:44:	TRIQUI	Ibtihal	triquibthil27@gmail.com	Pharmacy department of	Algeria	Oran	Phd Student	Poster	Vegetal
2/19/2024 17:57:	Hantour	Razika	hantourrazika27@gmail.com	Université Djillali Liabes	Algérie	Sidi Bel Abbès	Phd Student	Poster	Vegetal
2/19/2024 22:03:	ASMA	BENAI DJA	asma.benaidja@univ-jijel.dz	université de setif1	ALGERIE	SETIF	Phd Student	Poster	Vegetal
2/19/2024 22:27:	BRAHIMI	Hibat-allah	ha.brahimi@univ-boumerdes.dz	M'hamed Bougara Boumerdes	Algeria	M'sila	Phd Student	Poster	Vegetal
2/19/2024 23:14:	Nahla	Djeribia	n.djeribia@lagh-univ.dz	University of Laghouat	Algeria	Laghouat	Phd Student	Poster	Vegetal
2/19/2024 23:40:	Aya	MASMOUDI	aya.masmoudi@univ-biskra.dz	Mohamed Khider University	Algeria	BISKRA	Phd Student	Poster	Vegetal
2/20/2024 15:45:	Hafida	Kedaid	mhaebo60@gmail.com	Université de Ouargla	Algeria	Ouargla	Phd Student	Poster	Vegetal
2/20/2024 20:15:	SAFAA NOR EL	ZIANE	zianesafaa3@gmail.com	University abou bekr belkaid	Algeria	Tlemcen	Phd Student	Poster	Vegetal
2/20/2024 20:57:	Asma	Maouedj	asmamaouedj133@gmail.com	université Abou bakr Belkaid	Algérie	Tlemcen	Phd Student	Poster	Vegetal
2/20/2024 21:28:	Badria	Boufenchoucha	badria.boufenchoucha@univ-bejaia.dz	Université de Béjaia	Algérie	Béjaia	Phd Student	Poster	Vegetal
2/20/2024 22:02:	Hantour	Razika	hantourrazika27@gmail.com	Université Djillali Liabes	Algérie	Sidi Bel Abbès	Phd Student	Poster	Vegetal
2/20/2024 22:16:	Azzouz	Marwa	marwa.azzouz99@gmail.com	Université Abou bekr Belkaid	Algérie	Tlemcen	Phd Student	Poster	Vegetal
2/20/2024 22:50:	Douis	Abdelkader	douisaek73@gmail.com	Université des sciences et de la technologie	Algérie	Oran	Phd Student	Poster	Vegetal
2/20/2024 23:45:	wassim	boufadene	wassim.boufadene@univ-bejaia.dz	univ-bejaia	Algérie	bejaia	Phd Student	Poster	Vegetal
2/21/2024 12:39:	lamari	sarra	lestmontage@gmail.com	Echahid Cheikh Larbi Tebbi	Algeria	Annaba	Phd Student	Poster	Vegetal
2/27/2024 21:28:	Hamaidi	Fatima Zohra	hamaidizohra09@gmail.com	Université mascara	Algérie	Mascara	Phd Student	Poster	Vegetal
11/2/2023 8:56:4	MKEDDER	Ikram	ikram13mk@gmail.com	research Unit on the medicinal plants	Algérie	Tlemcen	Researcher	Poster	Vegetal
2/14/2024 11:04:	Abdellah	Zikiou	abdellah.zikiou1@gmail.com	Biotechnology Research	Algeria	Constantine	Researcher	Poster	Vegetal
2/20/2024 18:52:	cherak	souad	cheraksouade@gmail.com	Université frères mentour	Algérie	Constantine	Researcher	Poster	Vegetal
11/2/2023 10:55:	Mediouni	Rida Mohammed	redamediouni191@gmail.com	University of Naama	Algeria	Tlemcen	Researcher	Poster	Vegetal
2/14/2024 12:06:	Aissaoui	yamina	aissaouiamina03@gmail.com	university of Mascara	algeria	mascara	Teacher Researcher	Oral	Vegetal
2/17/2024 8:56:0	Boukhari	Rachid	r.boukhari@esa-mosta.dz	Higher School of Agronomy	Algeria	Mostaganem	Teacher Researcher	Poster	Vegetal

2/19/2024 1:55:5	Moulai	Djilali	moulaijlali@gmail.com	University of Mascara	Alegria	Mascra	Teacher Researcher	Oral	Vegetal
2/19/2024 21:23:	Samia	Fernane	soumhakay@gmail.com	Blida University	Algeria	Blida	Teacher Researcher	Oral	Vegetal
2/20/2024 1:21:3	Nasrine	salhi	salhi.ne@univ-ouargla.dz	University of ouargla	Algeria	ouargla	Teacher Researcher	Oral	Vegetal
2/20/2024 14:14:	GHAOUES	Souheila	ghaoues.souheila@gmail.com	Département d'agronomie	Algérie	Skikda	Teacher Researcher	Poster	Vegetal
2/20/2024 16:14:	kaouther	Ben Yahia	kaoutherbenyahia01@gmail.com	INRGREF TUNISIE	Tunisie	Tunis	Teacher Researcher	Oral	Vegetal
2/20/2024 19:43:	Abdelnasser	Bakhti	nasro1074@yahoo.fr	université de Mascara	algérie	Oran	Teacher Researcher	Oral	Vegetal
2/20/2024 20:52:	Haddad	Leïla	l.haddad@univ-eltarf.dz	Université Chadli Bendjed	Algérie	El Tarf	Teacher Researcher	Oral	Vegetal
2/20/2024 22:10:	Amine	Tlemsani	altelemsani@gmail.com	Faculté SNV, Université S	Algeria	Blida	Teacher Researcher	Poster	Vegetal
2/20/2024 23:16:	BOUCELHA	Lilya	lilyaboucelha374@gmail.com	USTHB-Faculté des scier	Algérie	Alger	Teacher Researcher	Oral	Vegetal
2/20/2024 23:29:	Abdelkader Nabil	BENGHANEM	benghanem.a.nabil@gmail.com	Ecole Nationale Supérieure	Algeria	Algiers	Teacher Researcher	Poster	Vegetal
2/21/2024 0:16:4	Basseddik	Aida	bassayda@gmail.com	ENSA	Algérie	TAMANRASSET	Teacher Researcher	Oral	Vegetal
2/24/2024 0:32:3	chiali charif	khadidja	chialikhadidja@gmail.com	UDL SBA	ALGERIE	SIDI BEL ABBES	Teacher Researcher	Oral	Vegetal
2/13/2024 21:42:	BOULAHIA	KARIMA	kerima.boulahia_fsb@usthb.edu.d	Université des sciences e	Algérie	Alger	Teacher Researcher	Poster	Vegetal
2/14/2024 16:36:	ADIBA	BENAHMED DJILALI	adiba.benahmeddjilali@ummto.dz	Université Mouloud Mam	Algérie	Tizi-Ouzou	Teacher Researcher	Poster	Vegetal
2/15/2024 22:18:	Bendeddouche	Mansouria Sourir	bendeddouchesoria@gmail.com	Institut de sciences agron	Algerie	Sidi Bel Abbés	Teacher Researcher	Poster	Vegetal
2/16/2024 21:22:	Djamel	KHOLKHAL	djkholkhal@gmail.com	Université Abou Bekr Bel	Algérie	Tlemcen	Teacher Researcher	Poster	Vegetal
2/17/2024 16:29:	Walid	Rahoui	walidj90@gmail.com	ABOU BAKR BELKAID U	Algeria	Tlemcen	Teacher Researcher	Poster	Vegetal
2/18/2024 21:52:	Zahra	SALAH	imanebiozahra@gmail.com	Tlemcen University	Algeria	Tlemcen	Teacher Researcher	Poster	Vegetal
2/18/2024 22:11:	Salima	AGOUN -BAHAR	salima.bahar_fsb@usthb.edu.dz	USTHB	Algeria	Algiers	Teacher Researcher	Poster	Vegetal
2/19/2024 13:41:	GRANDI	MOHAMED	grandim6@gmail.com	Université de Blida1	ALGERIA	BLIDA	Teacher Researcher	Poster	Vegetal
2/19/2024 20:59:	Soraya	AKRETICHE	kelfat.soraya@gmail.com	Université des Sciences e	Algeria	Algiers	Teacher Researcher	Poster	Vegetal
2/19/2024 21:18:	Asma	Chetouani	asmachetouani@gmail.com	Faculty of technology, Un	Algeria	Setif	Teacher Researcher	Poster	Vegetal
2/19/2024 21:44:	Miryam	ouis	ouismiryam@gmail.com	Université de Relizane	Algeria	Relizane	Teacher Researcher	Poster	Vegetal
2/19/2024 22:52:	Benyamina	Abdelfettah	fethi.systeme@gmail.com	Université Djilali Liabès	Agérie	Sidi Bel abbes	Teacher Researcher	Poster	Vegetal
2/19/2024 22:52:	SOLTANI	YAMINA	amina.soltani22@gmail.com	UNIVERSITE DJILLALI L	ALGERIE	SIDI BEL ABBES	Teacher Researcher	Poster	Vegetal
2/19/2024 23:16:	Benmahieddine	Assia	physiopathologiste149@gmail.com	Université Abou bekr belk	Algérie	Tlemcen	Teacher Researcher	Poster	Vegetal
2/20/2024 1:58:0	NAIMA	EL BADAoui	elbadaoui.naima@gmail.com	Département de Biologie	Algérie	SIDI BEL ABBES	Teacher Researcher	Poster	Vegetal
2/20/2024 9:08:5	Samia	HAFFAF	samia.haffaf@univ-msila.dz	M'sila university	Algérie	M'sila	Teacher Researcher	Poster	Vegetal
2/20/2024 11:16:	Mohammed ElAr	SAID	saidmedamin@gmail.com	Djillali-Liabees University	Algeria	Sidi Bel Abbes	Teacher Researcher	Poster	Vegetal
2/20/2024 19:38:	zoubida	soualem-mami	feriel.bali14@gmail.com	abou bakr belkaid univers	Algeria	Tlemcen	Teacher Researcher	Poster	Vegetal
2/20/2024 21:54:	WARDA	TAIBI	taibwarda13@gmail.com	Abou bekr belkaid tlemce	algeria	tlemcen	Teacher Researcher	Poster	Vegetal
2/20/2024 22:03:	saliha	boucheffa	salihaboucheffa06@gmail.com	Université ferhat abbas s	Algérie	sétif	Teacher Researcher	Poster	Vegetal
2/20/2024 22:27:	Zakia	ABDELLAOUI	abdellaouizak@gmail.com	Université BLIDA1, Facul	Algérie	ALGER	Teacher Researcher	Poster	Vegetal
2/20/2024 23:09:	SAIDI	IMENE	imene.saidi@yahoo.fr	université Mustapha Star	Algeria	Mascara	Teacher Researcher	Poster	Vegetal
2/20/2024 23:15:	Nadia	FEKIH	nadia.fekih@univ-temouchent.edu	Universite ain temouchen	Algérie	Tlemcen	Teacher Researcher	Poster	Vegetal
2/20/2024 23:20:	FATIHA	BRADAI	fetihabradai@gmail.com	University Center Morsli A	Algeria	Tipaza	Teacher Researcher	Poster	Vegetal
2/20/2024 23:52:	Anis	CHIKHOUNE	anis.chikhoun@gmail.com	École Supérieure des Sci	Algeria	Alger	Teacher Researcher	Poster	Vegetal
2/21/2024 0:50:2	Amina	AISSAT	aminanina1810@gmail.com	Département de Biologie	Algérie	Sidi Bel Abbés	Teacher Researcher	Poster	Vegetal
2/23/2024 11:28:	Sarra	Selka	s.selka.sek@gmail.com	Université Abou Bekr Bel	Algérie	Tlemcen	Teacher Researcher	Poster	Vegetal
2/23/2024 23:13:	May	CHENAH	may.chenah@ummto.dz	Université Mouloud Mam	Tizi Ouzou	Tizi Ouzou	Teacher Researcher	Poster	Vegetal
2/24/2024 20:26:	ALLAL	NAWEL	docteur.naouallal@gmail.com	Faculté de médecine	ALGÉRIE	TLEMCE	Teacher Researcher	Poster	Vegetal
2/20/2024 23:47:	OULD-KIAR	Redha	ouldkiar.redha@gmail.com	University Yahia Fares of	Algeria	Medea	Teacher Researcher	Oral	Vegetal
12/27/2023 10:11:	Meribai	Abdelmalek	abdellaouizak@univ-bba.dz	Laboratory of Characteriz	Algeria	Bordj B. Arreridj 340	Teacher/ Researcher	Oral	Vegetal
1/26/2024 22:34:	BAIK	Nourdine	n.baik@univ-bouira.dz	University of Bouira	Algeria	Bouira	Teacher/ Researcher	Poster	Vegetal
1/29/2024 11:46:	TOUHAMI	Aicha	a.touhami@ensti-annaba.dz	National higher School of	Algeria	Annaba	Teacher/ Researcher	Oral	Vegetal

1/3/2024 12:59:3	CHABANE	Dalila	chabane-dalila@univ.blida.dz	Faculty of Natural Scienc	Algeria	Blida	Teacher/ Researcher	Poster	Vegetal
1/5/2024 18:41:2	dahli	khedidja	aba.khadij@yahoo.fr	UNIV MASCARA	ALGERIE	MASCARA	Teacher/ Researcher	Poster	Vegetal
1/23/2024 13:15:	BELHACHEMI	Mohammed Hab	belhachemi@univ-ghardaia.dz	Université de Ghardaia	Algérie	Tlemcen	Teacher/ Researcher	Poster	Vegetal
1/26/2024 1:42:4	BENDJEDOU	Houaria	houaria.bendjedou@univ-temouch	University of Ain Temouch	Algeria	Ain Temouchent	Teacher/ Researcher	Poster	Vegetal
1/26/2024 9:56:1	HELALI	Amal	amal.helali@univ-tlemcen.dz	Abou Bekr BELKAID Univ	Algeria	Tlemcen	Teacher/ Researcher	Poster	Vegetal
2/6/2024 10:33:2	Guendouz	Ali	guendouz.ali@gmail.com	INRAA	Algeria	setif	Teacher/ Researcher	Poster	Vegetal
2/6/2024 10:42:2	BELGUET	ASSIA	assiasetif@gmail.com	université sétif 1	Algeria	Setif	Teacher/ Researcher	Poster	Vegetal
2/10/2024 10:55:	AIMEUR	NADJETTE	aimeur.n@centre-univ-mila.dz	Université Badji Mokhtar,	ALGERIA	ANNABA	Teacher/ Researcher	Poster	Vegetal
2/20/2024 16:03:	Abdelkader	DIFALLAH	abdelkader.difallah@univ-tiaret.dz	Ibn Khaldoun University c	Algeria	Tissemsilt	Phd Student	Poster	Vegetal
1/30/2024 10:58:	AISSAOUI	YAMINA	aissaouiamina03@gmail.com	faculty of natural sciences	algeria	mascara	Teacher/ Researcher	Oral	Human
2/9/2024 15:10:0	ANON	Bonté Patalet	bontepataletanon@gmail.com	Université de Tlemcen	Algérie	Tlemcen	Master/licence student	Stand	Human
1/31/2024 19:43:	DERARDJA	Imene	imene.derardja@univ-biskra.dz	Laboratory Promotion of	Algeria	Biskra	PhD student	Oral	Human
1/3/2024 23:49:0	benmanseur	anfel	anfel.benmanseur@univ-bejaia.dz	University of Abderrahma	Algeria	Bejaia	PhD student	Poster	Human
1/14/2024 11:51:	Benameur	Meriem	benameurmeriem13@gmail.com	Abou Bekr Belkaid-Tlemc	Algeria	Tlemcen	PhD student	Poster	Human
1/16/2024 18:08:	belarbi	chahrazed	chahrazed.be_96@outlook.fr	Abou Bekr Belkaid univer	Algeria	Tlemcen	PhD student	Poster	Human
1/19/2024 9:11:5	RIFFI	Rachda	riffi.rachda@essb-oran.edu.dz	Ecole Supérieure des Sci	Algérie	Oran	PhD student	Poster	Human
1/29/2024 0:21:0	Zatla	Ilyes	ilyes.zatla@univ-tlemcen.dz	University of Tlemcen	Algeria	Tlemcen	PhD student	Poster	Human
2/11/2024 16:02:	AISSA	Olfa Hanaa	hanaa.aissa@univ-sba.dz	Université Djillali Liabés c	Algeria	Sidi Bél Abbes	PhD student	Poster	Human
2/16/2024 15:07:	Badi	Salima Meriem	badisalima7@gmail.com	University Djilali Liabes S	Algeria	Sidi Bel Abbes	Phd Student	Poster	Human
2/18/2024 18:49:	AHMED ABOU	BEHAR	ahmed1998.dz29@gmail.com	Université Oran 1 Ahmed	Algeria	Oran	Phd Student	Poster	Human
2/19/2024 20:57:	Mordjene	Ghomari	ghomarimordjene31@gmail.com	Université Oran 1 Ahmed	Algerie	Oran	Phd Student	Poster	Human
2/19/2024 21:10:	Sabrina	Zeggai	babinazeggai@gmail.com	université Ahmed Benbel	Algérie	Oran	Phd Student	Poster	Human
2/20/2024 23:24:	Hesna	MALAININE	malainine.hesna@univ-bechar.dz	Tahri Mohamed Universit	Algeria	Bechar	Phd Student	Poster	Human
2/20/2024 21:04:	aounallah	chaima	aochaima@gmail.com	université chadli benjdid e	algeria	el tarf	Phd Student	Oral	Human, Animal
2/13/2024 10:46:	Amira	DJEDDOU BEN	a.djeddoubenabid@univ-soukahr	University of Souk Ahras	Algeria	Souk Ahras	Phd Student	Poster	Human, Animal
12/22/2023 14:07:	REFFAS	Anissa Imène	anissa.reffas.etu@univ-mosta.dz	University of Abdelhamid	Algeria	Mostaganem	PhD student	Oral	Human
12/27/2023 18:46:	HENNI	FATIMA ZOHRA	fatur.microbiologiste@gmail.com	Blida 1 university	Algeria	Blida	PhD student	Oral	Human
11/27/2023 23:21:	benkacem	rayenne	rayen.benkacem@univ-biskra.dz	mohammed kheider SNV	algeria	biskra	PhD student	Poster	Human
11/29/2023 23:56:	BENMELIANI	Fatiha	fatiha.benmeliani@gmail.com	Université Abou Bakr Bel	ALGERIA	TLEMCE	PhD student	Poster	Human
2/18/2024 8:35:2	fatima	lahcene	fatimalahcene402@gmail.com	Universty of mascara	algeria	mascara	Researcher	Poster	Human
2/19/2024 17:30:	ALI	REBBAH	rebbahde@gmail.com	Haut Commissariat au. D	algerie	Djelfa	Researcher	Oral	Human, Animal, Vegetal
2/21/2024 18:25:	Shakeel	Mahmood	shakeelmahmoodkhan@gmail.com	Government College Univ	Pakistan	Punjab	Teacher Researcher	Oral	Human
2/19/2024 21:24:	Rebzani	Ferayale	rebzanifer77@gmail.com	University of Blida 1	Algeria	Blida	Teacher Researcher	Poster	Human
2/19/2024 22:58:	Ouafia	LIAMANI	liamaniouafia@gmail.com	Université Djillali Liabes	Algérie	Sidi Bel Abbès	Teacher Researcher	Poster	Human
2/20/2024 14:02:	RAMDANE	Sidali	sidaliramdane@gmail.com	Département des Science	Algérie	Blida	Teacher Researcher	poster	Human
2/18/2024 17:08:	Aicha	Ladaidi	a.ladaidi@univ-dbk.m.dz	Université de Khemis Mil	Algeria	Ain Defla	Teacher Researcher	poster	Human
2/23/2024 21:50:	Messaad	MOUDACHE	m.moudache@univ-bouira.dz	université de bouira	Algerie	Bejaia	Teacher Researcher	Oral	Human, Vegetal
2/23/2024 18:00:	soumia	fenni	fenni.soumaya@gmail.com	Laboratoire de physiologi	Algeria	Oran	Teacher Researcher	Poster	Human, Vegetal
1/4/2024 13:33:3	DJEGHADER	Nour El-Houda	djeghader_nour@yahoo.fr	Université Badji Mokhtar,	Algeria	Annaba	Teacher/ Researcher	Poster	Human
1/16/2024 12:49:	Aissiou	Mohammed Yeh	aissiou@essaia.dz	Ecole Supérieure Des Sc	Algeria	Algiers	Teacher/ Researcher	poster	Human
1/22/2024 14:40:	RETEM	Chahira	retem_chahira@yahoo.fr	Department of Biology, fa	ALGERIA	ANNABA	Teacher/ Researcher	Poster	Human
1/24/2024 16:36:	Ouafi	Leila	ouafi.leila.dz@gmail.com	ENSSMAL	Algérie	Algiers	Teacher/ Researcher	Poster	Human
2/6/2024 10:37:3	Boukandoul	Silia	boukandoul.silia@yahoo.fr	Université Mouloud Mam	Algeria	Tizi ouzou	Teacher/ Researcher	Poster	Human
2/6/2024 12:52:0	ALACHAHER	Fatima Zohra	fatima.alachaher@univ-mosta.dz	université abdelhamid ibn	algerie	mostaganem	Teacher/ Researcher	Poster	Human
2/10/2024 16:04:	ABID	GHANIA	abid.ghania@essb-oran.edu.dz	Ecole supérieure des sci	Algérie	Oran	Teacher/ Researcher	Poster	Human

12/5/2023 19:17:	OULDALI	Ouardia	oouldali@yahoo.fr	Mascara University	Algérie	Mascara (Algérie)	Teacher/ Researcher	Oral	Human
11/27/2023 19:24	Bekja	Ayoub	ayoub.bekka@univ-setif.dz	Farhat abbes university s	Algeria	Sétif	Teacher/ Researcher	Poster	Human
12/10/2023 20:4:	SAIHIA	ASMA	saihia.asma@univ.dz	Université Oum Elbouaghi	algérie	oum elbouaghi	Teacher/ Researcher	Poster	Human
12/19/2023 20:1:	KLIBET	Fahima	Fahima.klibet@umc.edu.dz	Université Frère Mentour	Algérie	Constantine	Teacher/ Researcher	Poster	Human
11/28/2023 19:0:	Mokrani	Slimane	slimane.mokrani@univ-mascara.dz	(1) Université de Mascara	Algeria	Mascara	Teacher/ Researcher	Oral	Micoorganisms
2/5/2024 17:09:5	Alhousseini issak	Maman Bachir	issakabachir327@gmail.com	University of Mostaganem	Algeria	Mostaganem	Master/licence student	Oral	Micoorganisms
2/7/2024 14:26:3	Warak	Ibrahim	ibrahim.warak7@gmail.com	University of Mostagane	Algeria	Mostaganem	Master/licence student	Oral	Micoorganisms
12/19/2023 21:0:	Acouali	Naila	aoualinaila10@gmail.com	University of Sciences an	Algeria	Algiers	PhD student	Oral	Micoorganisms
1/3/2024 16:34:5	Touzout	naila soraya	sorayatouzout@gmail.com	faculté des sciences, Uni	Tunisie	Tunis	PhD student	Oral	Micoorganisms
1/12/2024 1:47:1	BELHADJ	OUSSAMA KAM	belhadjoussamakamel@gmail.com	UNIVERSITY OF MUSTA	ALGERIA	MASCARA	PhD student	Oral	Micoorganisms
1/12/2024 20:30:	BARKAT	Roumaissa	barkat.roumaissa@edu.univ-oran1	Université Oran 1 Ahmed	Algérie	Oran	PhD student	Oral	Micoorganisms
1/21/2024 23:20:	Salmi	Imen	imanesalmi303@gmail.com	Blida1University	Algeria	Blida	PhD student	Oral	Micoorganisms
2/14/2024 11:16:	HOUACINE	Ali	golashouacine@gmail.com	Université Ahmed Ben Be	Algérie	Oran	Phd Student	Oral	Micoorganisms
2/17/2024 23:25:	BOUAITA	Sarra	bouaita.sarra@gmail.com	Institute of Nutrition, Food	Algeria	Skikda	Phd Student	Oral	Micoorganisms
2/20/2024 5:01:2	Fatma Zohra	CHEBAANI	fatma.chebaani@univ-batna2.dz	Université Batna 2, facult	Algeria	Batna	Phd Student	Oral	Micoorganisms
2/20/2024 22:05:	AISSAOUI	Hadjira	espoir.demain20@gmail.com	University of Tlemcen	Algeria	Tlemcen	Phd Student	Oral	Micoorganisms
12/4/2023 20:23:	BOUNOUA	CHEIMAA	c.bounoua@univ-chlef.dz	University Hassiba Benb	ALGERIA	CHLEF	PhD student	Poster	Micoorganisms
1/19/2024 22:48:	KARA	ANFAL	karaanfel98@gmail.com	Farhat Abbas University S	Algeria	Setif	PhD student	Poster	Micoorganisms
1/24/2024 13:37:	KHELIFAOUI	AHMED	ahmed.khelifaoui@univ-saida.dz	Dr.Moulay Tahar Saida U	Algeria	Saida	PhD student	Poster	Micoorganisms
1/24/2024 23:19:	LOURABI	Dahbia	dahbia.lourabi@univ-bejaia.dz	Université Abderrahmane	Algérie	Béjaia	PhD student	Poster	Micoorganisms
1/27/2024 16:46:	Guilane	Asma	guilaneasma@gmail.com	University of Science and	Algeria	Bab Ezzouar	PhD student	Poster	Micoorganisms
1/29/2024 20:56:	Zatla	Ilyes	ilyes.zatla@univ-tlemcen.dz	University of Tlemcen	Algeria	Tlemcen	PhD student	Poster	Micoorganisms
1/30/2024 21:02:	Belbachir [5]	Kahina [6]	kahina.belbachir@univ-bejaia.dz	Laboratoire de Microbiolo	Algérie	BEJAIA	PhD student	Poster	Micoorganisms
2/6/2024 14:21:2	Boulmaiz	sara	s.boulmaiz@univ-biskra.dz	Mohemed khider universi	Algeria	Biskra	PhD student	Poster	Micoorganisms
2/6/2024 20:48:0	Zair	Fatima	zair.fatima@univ-bechar.dz	sciences de la nature et c	Algeria	Naama	PhD student	Poster	Micoorganisms
2/14/2024 12:49:	Alizouaoui	Meriem	alizouaouimeriem@gmail.com	USTHB	ALGERIA	ALGERIE	Phd Student	Poster	Micoorganisms
2/14/2024 21:17:	Nassira	Charef	n.charef@univ-eltarf.dz	University Chadli Bendjdi	Algeria	El tarf	Phd Student	Poster	Micoorganisms
2/14/2024 23:39:	ANSEUR	Sarra	saraanse12@gmail.com	Université Oran 1 Ahmed	Algérie	Oran	Phd Student	Poster	Micoorganisms
2/14/2024 23:39:	Amel	Halimi	biobacteria83@gmail.com	Abou-Bekr BELKAID Univ	Algeria	Tlemcen	Phd Student	Poster	Micoorganisms
2/18/2024 15:42:	FERYAL	BELFIHADJ	belfihadjferyal@gmail.com	University of Ferhat Abba	Algeria	Setif	Phd Student	Poster	Micoorganisms
2/18/2024 22:24:	ZAIANI	Zahra	zahraziani90@gmail.com	Université Ahmed draïa A	Algérie	Adrar	Phd Student	Poster	Micoorganisms
2/19/2024 10:25:	Nadine Chahrazz	DJELLOUT	dje.chahrazade@univ-adrar.edu.dz	University Ahmed Draïa-	Algeria	Adrar	Phd Student	Poster	Micoorganisms
2/19/2024 21:38:	Hadjer	GUEDIH	guedih.hadjer31@gmail.com	University Oran 1 Ahmed	Algeria	Oran	Phd Student	Poster	Micoorganisms
2/19/2024 22:22:	Sadou	Yahia	labtam2018@gmail.com	Université de Tamanghas	Algerie	Tamanghasset	Phd Student	Poster	Micoorganisms
2/19/2024 23:13:	Maroua	LIMAMI	maroua.limami@univ-tebessa.dz	Université Chahid Cheikh	Algeria	Tebessa	Phd Student	Poster	Micoorganisms
2/19/2024 23:44:	bougara	khedidja	bougara.khadidja18@gmail.com	University of Mentouri Br	Algeria	Constantine	Phd Student	Poster	Micoorganisms
2/20/2024 6:48:4	Dassine	Bellil	dassine.bellil@snv.univ-bejaia.dz	Doctorante	Algerie	Bejaia	Phd Student	Poster	Micoorganisms
2/20/2024 18:03:	BELALMI	Marwa	marwa.blm04@gmail.com	Université de Ferhat ABB	Algérie	Sétif	Phd Student	Poster	Micoorganisms
2/20/2024 19:47:	ZAHRRA	DOUILI	infer.asmer@gmail.com	Abou Bekr Belkaid Unive	Algeria	Tlemcen	Phd Student	Poster	Micoorganisms
2/20/2024 19:50:	CHIALI	Amel	amel.chiali13@gmail.com	Université Abou Bekr Bel	ALGERIE	Tlemcen	Phd Student	Poster	Micoorganisms
2/20/2024 20:17:	Fatima Zahra	Benatia	benatia.fatimazahra2508@gmail.c	University Abou bekr Bel	Algeria	Tlemcen	Phd Student	Poster	Micoorganisms
2/20/2024 23:30:	Ouidad	MENDIL	ouidad.mendil@univ-bejaia.dz	University of Bejaia	Algeria	Bejaia	Phd Student	Poster	Micoorganisms
2/21/2024 8:40:4	Khalil	Bounaama	drkhalibou01@gmail.com	Abdelhamid Ibn Badis Un	Algeria	Adrar	Phd Student	Poster	Micoorganisms
2/19/2024 17:03:	Meriem	KHIDER	khidermeriem98@gmail.com	université de Bejaia	ALGERIE	BEJAIA	Phd Student	Poster, Oral	Micoorganisms
2/24/2024 14:41:	Amina	KERFALI	karfaliamina2018@gmail.com	Ecole Normale Supérieur	Algeria	Algiers	Phd Student	Poster	Micoorganisms, Vegetal

2/18/2024 14:41:	Idir	IDRIS	idiridris85@gmail.com	PVRAB / INRAA	Algeria	Bejaia	Researcher	Poster	Micoorganisms
2/14/2024 21:47:	Amina	ZAREB	zarebamina15@gmail.com	Université Mouloud Mam	Algérie	Tizi-Ouzou	Teacher Researcher	Oral	Micoorganisms
2/20/2024 15:54:	BENDJEDDOU	Kamel	kamel.bendjeddou@univ-bejaia.dz	University of Bejaia	Algeria	Bejaia	Teacher Researcher	Oral	Micoorganisms
2/20/2024 23:54:	MESSAOUD	OMAR	o.messaoudi@lagh-univ.dz	Department of Biology, F	ALGERIA	LAGHOUA	Teacher Researcher	Oral	Micoorganisms
2/15/2024 16:35:	Hamida	SADJI	l1snbv@gmail.com	FSB/Université des scien	Algérie	Alger	Teacher Researcher	Poster	Micoorganisms
2/15/2024 17:56:	Farida	Taguett	farida.taguett_fsb@usthb.edu.dz	Laboratoire de Biologie e	ALGERIE	ALGER	Teacher Researcher	Poster	Micoorganisms
2/16/2024 18:16:	BOURIDANE	Hamida	hbouridane18@gmail.com	Université de Jijel	Algérie	Jijel	Teacher Researcher	Poster	Micoorganisms
2/17/2024 10:28:	ibtissem	kara terki	ibt.kara@gmail.com	university of tlemcen	Algeria	Tlemcen	Teacher Researcher	Poster	Micoorganisms
2/18/2024 16:26:	Moufida	BOUCHEKRIT	bouchekrit.m@centre-univ-mila.dz	Centre universitaire Abde	Algérie	Mila	Teacher Researcher	Poster	Micoorganisms
2/18/2024 22:40:	Zebiri	saliha	saliha.zebiri@g.ens-kouba.dz	LBMS KOUBA	ALGERIA	ALGER	Teacher Researcher	Poster	Micoorganisms
2/19/2024 20:26:	Abdesselem	SI MOHAMMED	abdesselem.simohammed@univ-r	University of Relizane	Algeria	Relizane	Teacher Researcher	Poster	Micoorganisms
2/20/2024 21:18:	Bertella	Anis	bounaoufel40@gmail.com	University khenchela	Algeria	Khenchela	Teacher Researcher	Poster	Micoorganisms
2/20/2024 22:36:	Adouda	SALMI	adouda.salmi@univ-bejaia.dz	université de bejaia	Algérie	bejaia	Teacher Researcher	Poster	Micoorganisms
2/21/2024 22:45:	DJELLOUT	Hafidha	djellout.hafidha@gmail.com	université de Blida 1	Algeria	Blida	Teacher Researcher	Poster	Micoorganisms
2/26/2024 12:23:	moufida	benhenni	drbenhennimoufida@gmail.com	faculté de médecine oran	algérie	oran	Teacher Researcher	Poster	Micoorganisms
2/19/2024 19:17:	BAHA	NASSIMA	bahanassima3@gmail.com	Faculté des sciences biol	Algerie	Alger	Teacher Researcher	Oral	Micoorganisms, Vegetal
2/24/2024 20:41:	ALLAL	NAWEL	docteur.naouallal@gmail.com	FACULTE DE MEDECINE	ALGERIE	TLEMCEN	Teacher Researcher	Oral	Micoorganisms, Vegetal
2/19/2024 23:03:	BENZAZIA	SAMIA	benzsamia7@gmail.com	université 20 Août 1955 S	university august algeria		Teacher Researcher	Poster	Micoorganisms, Vegetal
2/20/2024 21:45:	Lamia	MERMOURI	lamia.mermouri@gmail.com	USTO-MB	ALGERIA	ORAN	Teacher Researcher	Poster	Micoorganisms, Vegetal
12/2/2023 22:25:	BEKENNICHE	NAHLA	nahla.bekenniche@univ-mosta.dz	University Abdelhamid Ib	Algeria	Oran	Teacher/ Researcher	Oral	Micoorganisms
12/27/2023 10:34:	Meribai	Abdelmalek	hic.mer71@gmail.com	Laboratory of Characteriz	Algeria	Bordj B Arreridj 3400	Teacher/ Researcher	Oral	Micoorganisms
1/2/2024 23:11:0	Barour	Djanette	djanette.barour@univ-soukahrass.d	Université de Souk Ahras	Algérie	Souk ahras	Teacher/ Researcher	Oral	Micoorganisms
1/23/2024 11:56:	AIUSSAOUI	YAMINA	aissaouisnv@gmail.com	UNIVERSITY OF MASCA	ALGERIA	TLEMCEN	Teacher/ Researcher	Oral	Micoorganisms
1/30/2024 10:44:	AISSAOUI	YAMINA	aissaouisnv@gmail.com	faculty of natural sciences	Algeria	MASCARA	Teacher/ Researcher	Oral	Micoorganisms
2/7/2024 21:29:3	Ziar	Hasnia	hasnia.ziar@univ-mosta.dz	Laboratoire des Micro-org	Algeria	Mostaganem	Teacher/ Researcher	Oral	Micoorganisms
2/10/2024 21:49:	AOUES	KARIMA	aouesk@yahoo.fr	Université BLIDA 1	Algérie	BLIDA	Teacher/ Researcher	Oral	Micoorganisms
12/3/2023 11:05:	BAHLOUL	HALIMA AURAS	bahloulhalimaaurass@gmail.com	UNIVERSITÉ ABDELHA	ALGÉRIE	ORAN	Teacher/ Researcher	Poster	Micoorganisms
12/6/2023 15:04:	BOUMEDIENE	Farida	boumediene.farida@univ-medea.d	université Dr. Yahia Farès	Algeria	Médéa	Teacher/ Researcher	Poster	Micoorganisms
12/13/2023 22:41:	Benmouna-Bena	Zahia	zahia.benmouna@univ-usto.dz	University of Science and	Algeria	Oran	Teacher/ Researcher	Poster	Micoorganisms
1/2/2024 12:59:2	TATA	Samira	samira.tata@g.ens-kouba.dz	ENS-kouba	Algérie	Alger	Teacher/ Researcher	Poster	Micoorganisms
1/10/2024 14:26:	ZAROOUR	Kenza	zarour.kenza@univ-oran1.dz	University ORAN 1 Ahme	Algeria	Oran	Teacher/ Researcher	Poster	Micoorganisms
2/2/2024 15:34:1	CHIBANI	HIBA RAHMAN	hiba.chibani@univ-temouchent.ed	Université Ain Temouchen	Algeria	Mostaganem	Teacher/ Researcher	Poster	Micoorganisms
2/5/2024 15:44:3	SADI	FADHILA	f.saadi@univ-dbk.m.dz	kHEMIS MILIANA UNIVE	ALGERIA	AINDEFILA	Teacher/ Researcher	Poster	Micoorganisms
2/11/2024 21:43:	Zouaoui	Amel	zouaoui.amel27@gmail.com	Faculté de Médecine Dr E	Algérie	Tlemcen-Algérie	Teacher/ Researcher	Poster	Micoorganisms

[1] Le participant a mis à jour cette valeur.

[2] Le participant a mis à jour cette valeur.

[3] Le participant a mis à jour cette valeur.

[4] Le participant a mis à jour cette valeur.

[5] Le participant a mis à jour cette valeur.

[6] Le participant a mis à jour cette valeur.

[7] la méthode

-Med Kalai

[8] méthodologie de recherche

-Med Kalai