



<https://mpm2023.sciencesconf.org/>



# SCHEDULE OF MPM'23 CONFERENCE

The Fourth International Conference on Medicinal Plants and Materials, (MPM'2023) aims to create a forum where prominent academic scientists, researchers, and research scholars can exchange their knowledge and share their findings concerning various aspects of Medicinal Plants and Materials Synthesis, Characterization, and Processing.

# 2023



THE FOURTH INTERNATIONAL  
CONFERENCE ON  
**MEDICINAL PLANTS  
AND MATERIAL**

**MPM'2023**



# MPM'23 EVENT SCHEDULE

## FIRST DAY

21 NOVEMBER

- 8 : 00 - 9 : 00 REGISTRATION
- 9 : 00 - 9 : 30 OPENING CEREMONY
- 9 : 30 - 10 : 00 PLENARY CONFERENCE 1: Pr. LANEZ Touhami
- 10 : 00 - 10 : 30 Coffee break + POSTER SESSION 01
- 10 : 30 - 12 : 30 ORAL SESSION 01
- 12 : 30 - 13 : 30 Lunch
- 13 : 30 - 14 : 00 PLENARY CONFERENCE 2 Pr. LEGSEIR Belgacem
- 14 : 00 - 16 : 00 ORAL SESSION 02
- 16 : 00 - 16 : 30 Coffee break + POSTER SESSION 02:

## SECOND DAY

22 NOVEMBER

- 9 : 00 - 9 : 30 PLENARY CONFERENCE 3: Pr. BEN MESSAOUDA Mhamed
- 9 : 30 - 11 : 30 ORAL SESSION 03
- 9 : 30 - 11 : 30 ORAL SESSION 04
- 11 : 30 - 12 : 30 Coffee break + POSTER SESSION 03
- 12 : 30 - 13 : 30 Lunch
- 13 : 30 - 16 : 30 Sightseeing outing (visite touristique)

## THIRD DAY

23 NOVEMBER

- 9 : 00 - 9 : 30 PLENARY CONFERENCE 4: Pr. YOUSSEFI mohamed
- 9 : 30 - 11 : 30 ORAL SESSION 05
- 9 : 30 - 11 : 30 ORAL SESSION 06
- 11 : 30 - 12 : 30 Coffee break + POSTER SESSION 04
- 12 : 30 - 13 : 30 CLOSING CEROMONY
- 13 : 30 - 14 : 30 Lunch
- 14 : 30 - 16 : 30 Sightseeing outing (visite touristique)







# POSTER SESSIONS



## POSTER SESSION 01

FIRST DAY 21 NOVEMBER

10 : 00 - 10 : 30

**P.01, P.02, P.66, P.67, P.29, P.30, P.31, P.32, P.33, P.34, P.35, P.80, P.55, P.56, P.57 P.78, P.18, P.04, P.64 P.77, P.89, P.90, P.91, P.92, P.93, P.94, P.03**

## POSTER SESSION 02

FIRST DAY 21 NOVEMBER

13 : 30 - 14 : 00

**P.05, P.06, P.07, P.08, P.09, P.10, P.24, P.25, P.26, P.27, P.28, P.11, P.72, P.75, P.58, P.59, P.60, P.74, P.84, P.61, P.62, P.63**

## POSTER SESSION 03

SECOND DAY 22 NOVEMBER

11 : 30 - 12 : 30

**P.12, P.13, P.14, P.15, P.16, P.17, P.36, P.37, P.38, P.70, P.82, P.76, P.21, P.22, P.23, P.71, P.85, P.73, P.19, P.20**

## POSTER SESSION 04


THIRD DAY 23 NOVEMBER

11 : 30 - 12 : 30

**P.39, P.40, P.41, P.42, P.43, P.44, P.45, P.46, P.47, P.48, P.49, P.50, P.51, P.52, P.53, P.54, P.68, P.69, P.65, P.81, P.83**

 **OUARGLA-AGLERIA**

 [mpm.2023ouargla@gmail.com](mailto:mpm.2023ouargla@gmail.com)

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# ORAL SESSIONS

## ORAL SESSION 01

FIRST DAY 21 NOVEMBER

10 : 30 - 12: 30

**Room 1: O.03, O.04, O.05, O.06, O.07**

**Room 2: O.08, O.09, O.10, O.11, O.12**

## ORAL SESSION 02

FIRST DAY 21 NOVEMBER

14 : 00 - 16: 00

**Room 1: O.20, O.21, O.23, O.24**

**Room 2: O.01, O.14, O.15, O.16, O.17**

## ORAL SESSION 03

SECOND DAY 22 NOVEMBER

09 : 30 - 11: 30

**Room 1: O.18, O.19, O.55, O.57, O.60**

**Room 2: O.36, O.02, O.26, O.27**

## ORAL SESSION 04

SECOND DAY 22 NOVEMBER

09 : 30 - 11: 30

**Room 3: O.28, O.29, O.30, O.13, O.54**

**Room 4: O.56, O.31, O.32, O.34, O.35**

## ORAL SESSION 05

THIRD DAY 23 NOVEMBER

09 : 30 - 11: 30

**Room 1: O.25, O.37, O.38, O.40, O.46**

**Room 2: O.42, O.43, O.44, O.45**

## ORAL SESSION 06

THIRD DAY 23 NOVEMBER

09 : 30 - 11: 30

**Room 1: O.39, O.47, O.58, O.59, O.48**

**Room 2: O.50, O.51, O.52, O.53, O.49**

# PLENARY SESSIONS

## PLENARY SESSION 01

FIRST DAY 21 NOVEMBER

09 : 30 - 10: 00



**SPEAKER: Pr. TOUHAMI LANEZ**

lanezt@gmail.com

touhami-lanez@univ-eloued.dz

## LEVERAGING COMPUTATIONAL CHEMISTRY FOR BIOACTIVE MOLECULES DESIGN

**ABSTRACT:** The field of designing bioactive molecules has undergone an immense revolution due to the application of computational chemistry, which has had a profound impact on how bioactive molecules are discovered and developed. In this article, we present the practical use of computational chemistry to the field of designing different bioactive compounds. Modern drug research and discovery rely heavily on computational chemistry because it makes it possible to predict and improve the molecular characteristics that are essential for bioactivity. In this talk, we will emphasize how using computational methods improves the accuracy and effectiveness of designing bioactive molecules, ultimately leading to breakthroughs in pharmaceutical research and therapies.

## PLENARY SESSION 02

FIRST DAY 21 NOVEMBER

13 : 30 - 14: 00



**SPEAKER: Pr. LEGSEIR BELGACEM**

blegseir2000@yahoo.fr

## LE POUVOIR DES PLANTES ADAPTATION ET COMMUNICATION

**RÉSUMÉ:** Les plantes ont le pouvoir de communication et d'adaptation pour améliorer leur survie et leur production en réduisant l'impact des herbivores. Elles peuvent recourir à diverses stratégies pour se défendre contre les dommages causés par les herbivores. Ces défenses peuvent être structurales ou mécaniques, basées sur des structures particulières comme les épines ou les tricomes ; soit chimiques par la production de métabolites secondaires. Ces défenses chimiques peuvent agir comme répulsifs ou toxines pour les herbivores ou diminuer la digestibilité des plantes.





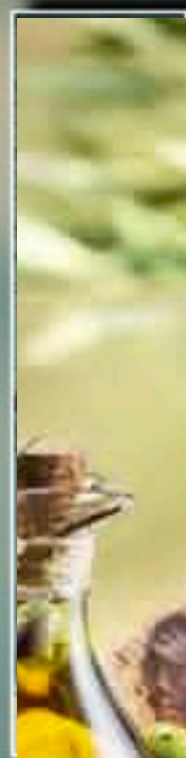
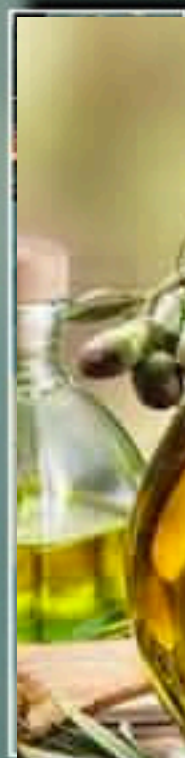
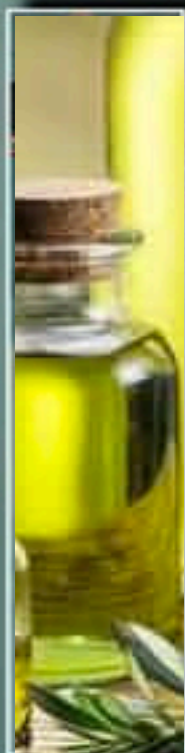


**SPEAKER:** Pr. Mhamed BEN MESSAOUDA  
mhamed.benmessaouda@ipest.ucar.tn

Université de Carthage, Laboratoire Matériaux, Molécules et Applications, IPEST, B.P.51, 2075 La Marsa, Tunisia.

## **SOME HIGH-VALUE MOLECULES EXTRACTED FROM PLANTS:A RAPID OVERVIEW AND EXTRACTION METHODS**

**ABSTRACT:** Plants have long been a valuable source of diverse compounds with significant economic and medicinal potential. This rapid review provides an overview of the extraction and characterization of high-value molecules derived from plants, highlighting their importance in various industries. These molecules encompass phytochemicals, essential oils, and bioactive compounds that serve as key ingredients in pharmaceuticals, cosmetics, and food products. The extraction methods, purification processes, and analytical techniques employed in isolating these compounds are discussed. Understanding the extraction and utilization of these valuable plant molecules is essential for researchers, industries, and policymakers aiming to harness the potential of nature's biore-sources while promoting sustainability and innovation.



SPEAKER: Pr. Mohamed Yousfi

Laboratoire des Sciences Fondamentales, Université Amar Telidji, Laghouat, Algérie

HERBAL CHROMATOGRAPHIC FINGERPRINTS IN THE SEARCH FOR NEW DRUGS: CASE STUDY OF PHENOLIC COMPOUNDS FROM PISTACIA ATLANTICA EXTRACT.

**ABSTRACT :** The vast majority of the pharmacological studies were conducted using uncharacterized crude extracts from various parts of the plant, possessing varying biological activities. Few to no pharmacological evaluations are done to date focusing on the biological effects of the phytochemical compounds isolated from Pistaciaatlanticaleaves. Noteworthy is that the link between activity and particular compounds is not clear, although, phenolic acids and flavonoids seem to play a major role. However, there are still significant gaps in the completeness of our understanding of the bioactivity, therapeutic value, and roles played in our traditional medicines by each of the numerous phytoconstituents of P. atlantica. Chromatographic fingerprints integrated with chemometric techniques provide the opportunity to move forward. Fingerprints are regarded to be more accurate representations of the complex chemical profiles of herbal species than focusing only on one or a couple marker molecules. The goal of this study was to provide the reader with an insight on the data analysis of chromatographic fingerprints, and it also demonstrated the potential value of the chemometric treatment of the chromatographic fingerprints as a screening tool for pharmacologically active constituents. When performing multivariate data analysis to chromatographic fingerprint data, pre-treatment techniques, such as column centering (CC), Standard Normal Variate (SNV) and Correlation Optimized Warping (COW) were utilized in order to acquire the appropriate information from the data. Furthermore, fingerprint data will be used to model the biological and antioxidant activities of extracts using a multivariate regression approach. The peaks potentially responsible for the extract's biological and antioxidant activities can be indicated by comparing the regression coefficients of the model with the chromatographic fingerprints.

**Keywords:** Pistaciaatlantica, biological activity, chemometrics, chromatographic fingerprints, data analysis, multivariate calibration.



# PRESIDENTS & EXPERTS OF SESSIONS

## PLENARY SESSIONS

### PLENARY SESSION 01

**SPEAKER : Pr. TOUHAMI LANEZ**  
FIRST DAY 21 NOVEMBER 09 : 30 - 10 : 30

Pr. SAIDI MOKHTAR  
Pr. BELAIDI SALAH  
PRESIDENT  
MANAGER

### PLENARY SESSION 02

**SPEAKER : Pr. LEGSEIR BELGACEM**  
FIRST DAY 21 NOVEMBER 13 : 30 - 14 : 00

Pr. HADJADJ MOHAMED  
Pr. RIGAN GHAYTH  
PRESIDENT  
MANAGER

### PLENARY SESSION 03

**SPEAKER : Pr. Mhamed BEN MESSAOUDA**  
SECOND DAY 22 NOVEMBER 09 : 00 - 09 : 30

Pr. ATTIA MOHAMED ELHADI  
Pr. GHIABA ZINEB  
PRESIDENT  
MANAGER

### PLENARY SESSION 04

**SPEAKER : Pr. MOHAMED YOUSFI**  
THIRD DAY 23 NOVEMBER 09 : 00 - 09 : 30

Pr. LANEZ TOUHAMI  
Pr. DANDOUGHI Hocine  
PRESIDENT  
MANAGER

## POSTER SESSIONS

### POSTER SESSION 01

**Pr. ZENKHRI Louiza** PRESIDENT

Dr. BOUTARFAIA Amira  
Dr. ALLAOUI Abdelfattah  
Dr. GHEMAM Amara Djilani  
Dr. GOUDJIL Mohamed Bilal  
Dr. SIBOUKEUR Hicham  
Dr. RAHMANI Abdellatif  
FIRST DAY 21 NOVEMBER  
10 : 00 - 10 : 30

### POSTER SESSION 02

**Pr. BOUDJEMA Souheyla** PRESIDENT

Dr. BEN ALI Mustapha  
Dr. CHERRAYE Ridha  
Dr. NEDJIMI Mohmmmed Said  
Dr. CHAUCHE Khaoula  
Dr. MEKADEM Khadra  
Dr. BENMENINE Abdelkader  
FIRST DAY 21 NOVEMBER  
13 : 30 - 14 : 00

### POSTER SESSION 03

**Dr. BACHA Oussama** PRESIDENT

Dr. KHIRANI Safia  
Dr. BENZAHY Rabia  
Dr. CHERBI Rekia  
Dr. SAIDAT Mustapha  
Dr. BENZAHY Khedidja  
SECOND DAY 22 NOVEMBER  
11 : 30 - 12 : 30

### POSTER SESSION 04

**Pr. ZAOUI Manel** PRESIDENT

Dr. ZENKHRI Djamel Eddine  
Dr. ATOUI Mohamed  
Dr. HASSANI Abdelkader  
Dr. HAMDY Imane  
Dr. ZEGHDI Saad  
THIRD DAY 23 NOVEMBER  
11 : 30 - 12 : 30





# PRESIDENTS & EXPERTS OF SESSIONS

## ORAL SESSIONS

### ORAL SESSION 01

**ROOM 01** FIRST DAY 21 NOVEMBER 10 : 30 - 12 : 30

Pr. HAMMAMI Saoussen (**PRESIDENT**)

Pr. MEKHELFI Tarak

Pr. FLILISSA Abdelnacer

**ROOM 02** FIRST DAY 21 NOVEMBER 10 : 30 - 12 : 30

Pr. BEN SALEM Ridha (**PRESIDENT**)

Dr. KORRICHI Brahim

Dr. BENCHIKHA Naima

Dr. BELKHALFA Hakim

### ORAL SESSION 02

**ROOM 01** FIRST DAY 21 NOVEMBER 14 : 00 - 16 : 00

Pr. LAOUNI Salah Eddine (**PRESIDENT**)

Pr. SEKKOUM Khaled

Pr. ALLAOUI Messaouda

**ROOM 02** FIRST DAY 21 NOVEMBER 14 : 00 - 16 : 00

Pr. BELBOUKHARI Nacer (**PRESIDENT**)

Pr. BEGAS Azzedine

Pr. SMARA Ouanissa

### ORAL SESSION 03

**ROOM 01** SECOND DAY 22 NOVEMBER 09 : 30 - 11 : 30

Pr. RAHIM Oumelkheir (**PRESIDENT**)

Pr. DOUADI Ali

Pr. BEN MOSBAH Mongi

**ROOM 02** SECOND DAY 22 NOVEMBER 09 : 30 - 11 : 30

Pr. HAMADA Djamilia (**PRESIDENT**)

Pr. ATIA Salem

Pr. SALHI Slim

Pr. DJENNAD M'hamed

### ORAL SESSION 04

**ROOM 01** SECOND DAY 22 NOVEMBER 09 : 30 - 11 : 30

Pr. AMARA Mourad (**PRESIDENT**)

Pr. ZAOUI Manel

Pr. DIBI Ammar

**ROOM 02** SECOND DAY 22 NOVEMBER 09 : 30 - 11 : 30

Pr. DJEBBAR Safia (**PRESIDENT**)

Pr. ELANDALOUSSI Badreddine

Pr. OUARI Kamel

### ORAL SESSION 05

**ROOM 01** THIRD DAY 23 NOVEMBER 09 : 30 - 11 : 30

Pr. GERRAF Noureddine (**PRESIDENT**)

Pr. AMMAR Houcine

Pr. BOUDJEMA Souheyla

**ROOM 02** THIRD DAY 23 NOVEMBER 09 : 30 - 11 : 30

Pr. YOUSFI Mohamed (**PRESIDENT**)

Pr. BEYAZ Khaled

Pr. DAKMOUCHE Messouda

Pr. MIMOUNI Mourad

### ORAL SESSION 06

**ROOM 01** THIRD DAY 23 NOVEMBER 09 : 30 - 11 : 30

Pr. BEN SALEM Ridha (**PRESIDENT**)

Pr. BENACHOUR Djafer

Dr. MECHRAOUI Omar

Pr. RAHMANI Zhor

**ROOM 02** THIRD DAY 23 NOVEMBER 09 : 30 - 11 : 30

Pr. AKKAL Salah (**PRESIDENT**)

Pr. BENOSMAN Nadjib

Pr. DJELLOULI Fayrouz





# POSTER SCHEDULE



MPM'23





# POSTER SESSION 1

## Industrial Processing Technologies.

CODE	AUTHORS	TITLE
P.01	<b>BEN BEY Amina</b> Boualati Ouarda, Mekhloufi Ismail, Moussoui Yacine	Determination of heavy metal levels in wastewater treatment plant: the case of aeration lagoon in ouargla
P.02	<b>BORDJI Asma</b> A. Allaoui , L. Zenkhri	Techniques to improve biomethane yields
P.66	<b>A. NAAM</b> S. Benothmane	Contribution of screening and quantum effects on the operator of electronic collisions in semi-classical plasma
P.67	<b>S. Benothmane</b> A. NAAM	Problem of screening binary interaction with the use of distorted quantum mechanics and noncommutative geometry in plasma
P.29	<b>RABHI Nada Lina</b> M. L. SEKRIFA, Y. TOUIL, H. Belkhalifa	Identification of heavy metals in the drainage of ouargla's oases.
P.30	<b>BENABED Bochra</b> B. Benabed, A. Messaouda, T. Mekhelfi, D. Abdessettar	Contribution to the theoretical phytochemistry study and biological evaluation of some plants from rhanterium genus
P.31	<b>BENABED Bochra</b> B. Benabed , A. Messaouda, T. Mekhelfi, D. Abdessettar	Contribution to the comparison of the chemical composition of flowers and (leaves and branches) extracted from rhantheriumadpressumgrown in algeria
P.32	<b>ALIOUAT Khadra</b> ALIOUAT Khadra,CHERRAD Nouredine ,CHERFAOUI Lila	Absorption system operating with a lithium bromide working pair
P.33	<b>HADRAOUI Moustafa</b>	Sizing of a photovoltaic system coupled to the electrical distribution network, application to the ouargla region
P.34	<b>OUAKAF Amira</b> F. Chelgham, R.Cherbi, D. Bentarfa, M. Chelgham	Development of high surface area and excellent adsorption capability of methylene blue onto activated carbon produced by hydrochloric acid activation
P.35	<b>KHADRAOUI Abbas</b> Aicha Boudehane, Abdenmour Gheriani	Assessment of bioaerosol (bacteria and fungi) pollution in the ouargla region, algeria
P.80	<b>LOURI Faycel</b> Boudjema souheyla, Chelgham fatiha, Louri faycel	Production of a mycorrhizae-based bio-fertilizer







<b>P.55</b>	<b>SAAD Somia</b> Meguellati Hassina, Djemouai Nadjette, Harchaoui Lilya, Ouafi Saida, Benzetta Hanane, Karoune Samira	Action analgésique des parties aériennes de <i>Launaea nudicaulis</i>
<b>P.56</b>	<b>BOUAFIA Zineb</b> Boudjelal Amel, Baali Faiza, Ilyas Yildiz, Demirtas Ibrahim	EFFICACY OF TRADITIONAL HERBAL FORMULATION IN PROMOTING EXCISIONAL WOUND HEALING
<b>P.57</b>	<b>BOULEGHLEM Hocine</b> Boulegghlem Hocine, Zidane Salima, Mokhloufi Imane, Guelil Abdelhamid	OBTAINING OF NATIVE GLUCOSAMINE FROM FOOD WASTE: EXTRACTION, CHARACTERIZATION & BIOLOGICAL EVALUATION
<b>P.78</b>	<b>DERKI Nour Elhouda</b> /	Green synthesis of silver nanoparticles using <i>Helianthemum lippii</i> extracts (HI-nps): Characterization and study of interaction with DNA
<b>P.18</b>	<b>ABBASSEN Razika</b>	Medicinal forest plants and Arthropods in the Djurdjura National Park (Algeria)
<b>P.04</b>	<b>KHEMIS Aroussia</b> Halilat Mohammed Tahar, Oustani Mebrouka	Diagnostic sur l'utilisation du sable de dune pour l'amendement des sols hydro-halomorphies dans les oasis du sud de l'Algérie (cas de la région de Ouargla et de Oued Righ)
<b>P.64</b>	<b>GOUDJIL Mohamed Bilal</b> Ayachi Amar Fatma Zohra, Zighmi Souad, Hamada Djamilia, Mahcene Zineb, Bencheikh Salah Eddine	In vitro antioxidant activities of silver/silver oxide (Ag/Ag <sub>2</sub> O) nanoparticles produced from the leaves extracts of <i>Mentha piperita</i> .
<b>P.77</b>	<b>DERKI Maroua</b> /	Green Synthesis of copper Oxide Nanoparticles Using Biomass « Banana peels »
<b>P.89</b>	<b>OUSTANI Mabrouka</b> S. Mahda	Study of the antimicrobial effect of some medicinal plants : ( <i>Rosmarinus officinalis</i> and <i>Zingiber officinalis</i> )
<b>P.90</b>	<b>OUSTANI Mabrouka</b> S. Mahda	Antimicrobial potential of three genotypes of Quinoa Seeds ( <i>Chenopodium quinoa</i> Willd.)
<b>P.91</b>	<b>TABET ZATLA Amina</b> Zaoui Manel, Mekhelfi Tarak	Évaluation in vitro de l'activité anti-inflammatoire de l'huile essentielle de <i>rosmarinus officinalis</i> de la région de tlemcen





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<b>P.92</b>	<b>AYACHI Mohamed</b> <b>Aid</b> Mekhelfi Tarak, Rebiai Abdelkrim, Zaoui Manel, Ghelai Saadia	Extraction of essential oil from a species of genus Mentha cultivated in the Algerian Sahara
<b>P.93</b>	<b>GHELAI Saadia</b> Zaoui Manel, Mekhelfi Tarak, D. HAMADA, A. NECIB ,F.BEN CHIEKH	Modeling Vapor–Liquid Equilibria for binary system using the CPA and Modeling Vapor–Liquid Equilibria for binary system using the CPA and PC-SAFT equations of state
<b>P.94</b>	<b>ZEGHDI Saad</b> LAOUINI Salah eddine	Synthesis of the natural coumarins, murreol (CM-c ), transdehydroosthol and swietenocoumarin G
<b>P.03</b>	<b>DJEMOUAI Nadjette</b> Baali Faiza, Benzetta Hanane, Saad Somia	Evaluation of the phytochemical and antioxidant activity of the methanolic extract of fagonia glutinosa del. From ghardaia (algeria)

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# POSTER SESSION 2

## ESSENTIAL OILS AND SECONDARY PLANT METABOLITES

CODE	AUTHORS	TITLE
P.05	<b>DAKHOUCHE Soumia</b> Mnif Sami	Chemical composition, antibacterial and anti-biofilm activities of selected essential oils produced by medicinal plants in Algeria.
P.06	<b>AYACHI Amar Fatma Zohra</b> Goudjil Mohamed Bilal, Mahcene Zineb, Ayachi Amor Asma	Chemical composition, antioxidant, and antimicrobial potential of basil essential oil ( <i>ocimum basilicum</i> L.) from Algeria's Oued Souf region
P.07	<b>KAIFES Chaima</b> Yousfi Mohamed, Guenane Hamid	Chemical constituents in pollen grains of <i>Pistacia atlantica</i> and their antioxidant activity
P.08	<b>CHETEHOUNA Sara</b> Derouiche Samir, Réggami Yassine	Chromatographical analysis and in vitro hypoglycemic activity of leaves <i>Sonchus maritimus</i> aqueous extract
P.09	<b>LAMARI Sarra</b> Ahmed Dekak, Boukhedir Sameh, Hamel Tarek	Etude et valorisation de la composition chimique de l'huile essentielle d'une plante médicinale dans la wilaya d'Annaba.
P.10	<b>MEBARKI Salsabil</b> Benbelaid Fethi, Derardja Imene, Rebai Redouane	Exploiting essential oils' bioactive characteristics and their potential applications in the food sector
P.24	<b>BOUSSEBAA Walid</b> Rahmani Zhour, Saidi Mokhtar	Anti-diabetic and anti-inflammatory properties of <i>Paronychia arabica</i> and its phenolic contents
P.25	<b>CHEBOUAT Imene</b> Chebouat Elyacout	Antioxidant activity, phenolic and flavonoid contents of plant extract.
P.26	<b>BENRAS Amina</b> Hammoudi Roukia, Hadj Mahammed Mahfoud	Biological activity of <i>Deverra scoparia</i> Coss & Dur (Apiaceae) and <i>Commiphora myrrha</i> Nees. (Burseraceae) extracts.
P.27	<b>SEGHIERI Asma</b> Tamma Nouredine, Abadi Abderrezek	Separation of essential oil from <i>Psidium guajava</i> L leaves and study of its antioxidant activity
P.28	<b>BECHIRA Lahmadi</b> Ben Ali Moustapha, Rebai Abdelkrim	الخواص الفيزيائية والكيميائية وتحليل الأحماض الدهنية للزيوت الثابتة
P.11	<b>CHENINE Aziza Safaa</b> Boual Zakaria	The investigation of biological activities of arabinoxylan oligosaccharides derived from <i>Plantago ciliata</i> Desf







<b>P.72</b>	<b>BAALI Faiza</b> Djemouai nadjette, Righi nadjat, Benzetta hanane, Ayari-Guentri sofia, Boudjelal amel	Chemical composition, antibacterial and anti-biofilm activities of selected essential oils produced by medicinal plants in algeria.
<b>P.75</b>	<b>BRAHIMI Mohamed</b> <b>Habib</b> Dakmouch massouda, Hadeff derradji	Evaluation of the antimicrobial activity of otospermum glabrum extracts
<b>P.58</b>	<b>ZATLA TABET Amina</b> A. TABET ZATLA , A. HAMMOUDI , N. BRIKCI NIGASSA, M. E. A DIB	Composition chimique et activites Anti-inflammatoires de l'hydrolat des racines de carthamus caeruleus et de son composant majeur l'oxyde de carline provenant de l'ouestalgerien.
<b>P.59</b>	<b>ABDESSETTAR Djaouhar</b> Mustapha BEN AL1, Messaouda ALLAOUI	Effect of experimental factors on the rate of biosynthesis of silver nanoparticles
<b>P.60</b>	<b>CHERBI Rekia</b> Hayat Zerrouki, Amira Ouakkaf, Mokhtar Saïdi & Mohamed Yousfi	Total phenolic, total flavonoids contents and antibacterial activity of seeds extracts of Lawsonia alba from Algeria
<b>P.74</b>	<b>BENMOSBAH Mongi</b> Moussaoui younes	EFFICACY OF TRADITIONAL HERBAL FORMULATION IN PROMOTING EXCISIONAL WOUND HEALING
<b>P.84</b>	<b>KORICHI Maroua</b>	Biological activity and phytochemical study of bulbous plant from Asparagaceae family
<b>P.61</b>	<b>BENMOUSSA Ouissam</b> Derouiche Samir	Evaluation of ZnNPs effects by Using Polyherbal Aqueous Extract in Wistar Rats
<b>P.62</b>	<b>AOUADJ Ikram</b> Hayat Zerrouki, Louiza Zenkhri	GREEN MANUFACTURING OF NANOPARTICLES AND THEIR EFFICIENCY IN WASTEWATER TREATMENT
<b>P.63</b>	<b>ZIDANE Halima</b> Ben Salem Ridha, Rebiai Abdelkrim, Rigane Ghayth, Hemmami Hadia	Green Synthesis of copper Oxide Nanoparticles Using Biomass "Banana peels"





## POSTER SESSION 3 : Molecular Modeling and Simulations

CODE	AUTHORS	TITLE
P.12	ABDESSALAM Mohammed Zaoui Manel, Mekhelfi Tarak, Ghelai Sadia	Excess thermodynamic studies of mixture containing an associative compound at 298.15 k
P.13	ZINE Zineb	First-principles investigation into the structural, electronic, and magnetic properties of feni alloys.
P.14	SAGHIRI Khadidja Daoud Ismail, Melkemi Nadjib, Mesli Fouzia	In silico investigation of withangulatin a derivatives as potential allosteric glutaminase c inhibitors for breast cancer treatment
P.15	BEN AMOR Safia Laiche ammar Touhami, Boussebaa Walid	Phenolic compounds of bee pollen recolted by apis mellifera from some saharan medicinal plants and their antioxidant activities
P.16	DJARALLAH Marwa Lanez Touhami, Lazhar Bechki, Adaika Aicha, Lanez Elhafnaoui	In silico study of n-ferrocenyl methyl aniline as inhibitors of il-6 in immune-mediated inflammatory disease rheumatoid arthritis
P.17	SAIAD Amira	Theoretical investigation on the biological activities of 2,äimethoxy-6-(pyrimidin-2-yl-hydrazonomethyl)-phenol- transition metal complexes $[m(hl)_2]_x$ (m = mn, fe, co, ni and x = +1, 0)
P.36	CHEGMA Taha Yousfi Mohamed, Ben Ahmed Ziyad	Investigation the activity of saharian plant on anti-alzheimer by in silico inhibition.
P.37	DERARDJA Imene Redouane Rebai, Salsabil Mebarki	Tyrosinase inhibition ability of flavonoids from retama sphaerocarpa and r. Raetam : molecular docking, mm/gbsa calculations and adme prediction
P.38	SAADA zahra Z. Saada, L. Bechki, T. Lanez, E. Lanez	Dft studies on vibrational and electronic spectra, homo-lumo, mep and molecular docking analysis of ferrocene derivative
P.70	FLLISSA Abdenacer /	An in-silico investigation based on 2d-qsar modeling, molecular docking studies and admet, on novel thiazolopyridazine derivatives intended as inhibitors for the treatment of breast cancer
P.82	SEGHIR Bachir Zaoui manel, Rebiai abdelkarim, Mekhelfi tarak, Ghelai sadia	Tyrosinase inhibition ability of flavonoids from retama sphaerocarpa and r. Raetam : molecular docking, mm/gbsa calculations and adme prediction
P.76	DEBBACHE Hafidha /	First-principles investigation into the structural, electronic, and magnetic properties of feni alloys.





<b>P.21</b>	<b>KHIRANI Safia</b> Kaouther MAACHE, Asma BENHELAL, Abdellah KEMASSI	Biological activities of foliar extracts of two Saharan plants Euphorbia guyoniana (Boiss. et Reut.) and Calotropis procer
<b>P.22</b>	<b>KORICHI Marwa</b> M. Korichi , M. Belguidoum , L. Khattabi , W. Zahnit , O. Smara , H. Dandougi	Biological activity and phytochemical study of bulbous plant from Aspargaceae family
<b>P.23</b>	<b>LAMARI Sarra</b> Ahmed Dekak, Sameh Boukhedir, Hamel Tarek	Enquête ethnobotanique de teucrium polium l. Dans la region de biskra (nord,àiest algérien).
<b>P.71</b>	<b>SAIAD Amira</b> /	Biological activities of foliar extracts of two Saharan plants Euphorbia guyoniana (Boiss. et Reut.) and Calotropis procera
<b>P.85</b>	<b>HABBI Meriem</b> D. HAMADA, A. NECIB, F.BEN CHIEKH	LUPINE SEEDOILEXTRACTION AND CHARACTERIZATION OF FATTY ACID BY GCMS
<b>P.73</b>	<b>BEN ALI Mustapha</b> Abdelfattah allaoui, Abdelkader ben Menine	Determination of Phenolic Content, Biological Activities with Molecular Docking Studies of Cistus albidus L.
<b>P.19</b>	<b>NECIB Asma</b> N. Asma, D. Messaouds , B. Lazhar , H. Mariam, K. Maroua	Study of extraction and separation techniques from a plants of the Brassicaceae family
<b>P.20</b>	<b>TOUNSI Aissa</b> TounsiAissa,Mechraoui Omar , Benalia Mokhtar.	Evaluation de la capacité antioxydante des extraits phénoliques de plante locale Plantagociliata(Desf)







## POSTER SESSION 4

### Synthesis and characterization of biomaterials

CODE	AUTHORS	TITLE
P.39	<b>BEN CHEIKH Chaimma</b> Nedjimi Med Said, Ouahrani Mohammed Ridha	Synthesis and characterization of cuo nanoparticles by the green method
P.40	<b>FRAHTIA Ahlem</b> Derouiche Samir	Assessment of some biological activities of phragmites australis leaves extract and green copper nanoparticles
P.41	<b>BOULAARES Islam</b> Derouiche Samir	Biosynthesis of manganese oxide nanoparticles and their in-vitro catalytic activity and in-vivo acute toxicity evaluation
P.42	<b>KHALDI Soumaia</b> Allaoui Abdelfatah, Zenkhri Louiza	Effect of calcination temperature on the structural properties of copper chromite spinel obtained by combustion method
P.43	<b>BENSANA Amira</b> Achi Fethi	Fast and effective electrochemical sensor based on (gce / mwcnts-aunps-rgo-cs) nanocomposite for catechol detection
P.44	<b>BOUDJEMA Souheyla</b> Chelgham fatiha, Louri faycel	Enhancing polyoxometalates' corrosion inhibition of carbon steel in acidic media
P.45	<b>OUNIS Amina</b>	Synthesis, characterization and photocatalytic activity of semiconductor zw
P.46	<b>BENKHIRA Latra</b> Ferhat Mohammed Fouad, Messai Ridha	Synthesis and characterization of CuO nanoparticles and their use in treating polluted water
P.47	<b>BAKA Ouidad</b> Bacha Oussama	Zno nanotubes electrodeposited on ito as a new catalyst for enhancement of ethanol electro-oxidation
P.48	<b>BACHA Oussama</b> BAKA Ouidad, Henni Abdellah	Elaboration of cuo nanostructured materials for photodegradation of methylene blue
P.49	<b>MOKADEM Khadra</b> Khadra Mokadem, Reguia Hamiti, Nour Elyakine Kaddouri	Zinc oxide-nanoparticles : synthesis an eco-friendly approach and biomedical applications
P.50	<b>ATOUI Mohamed</b> T. Touam	Investigation of the microstructural, morphological and optical properties of ag doped zno thin films prepared by sol-gel process
P.51	<b>HOUCHATI Mohamed Ikkal</b> Nassira Chniba-Boudjada, Ahmed Hichem Hamzaoui	La <sub>2-x</sub> Y <sub>2x</sub> Ce <sub>y</sub> CuO <sub>4</sub> (x ≤ 0.20 and y = 0.15): syntheses and properties of the transformation t _ "pseudo-s"





<b>P.52</b>	<b>BOUTARFAIA Amira</b> SAOULI Ibtissam, ZENKHRI Louiza	Synthesis and characterization of porous hybrid chloroferrates matter for water purification
<b>P.53</b>	<b>TOUIL Meriem</b> Nassima meftah, Achouri Abderrahim, Rabiaa Ben esseddik	A comparative study between sand samples from the dunes of the northern algerian sahara
<b>P.54</b>	<b>BENIDIR Meriem</b> S. Makhloufi, M. Omari	Synthesis and thermoelectric properties of oxides nd-substituted nacoo2
<b>P.68</b>	<b>Mahbouba HAMMOUDI</b> Khadra MOKADEM, Hayat ZERROUKI, Zineb GHIABA	Titanium dioxide-nanoparticles : biosynthesis, characterization and their application for solar photocatalytic degradation of methyl orange
<b>P.69</b>	<b>Khadra Mokadem</b>	Multi-method eco-friendly synthesis of zno-nanoparticles using aqueous extract
<b>P.65</b>	<b>GHIABA Zineb</b> Khadra Mokadem, Assma Amira, Khedidja Zerrougui	Biosynthesis of zinc oxide nanoparticles from essential oil of mint leaves
<b>P.81</b>	<b>OUEZZANI Maroua</b> /	Synthesis and use of mfimicroporous materials for capture of microorganisms
<b>P.83</b>	<b>YAKOUBI Mimouna</b> Belboukhari nacer	Welding of dissimilar materials
<b>P.88</b>	<b>ZENKHRI Djamel Eddine</b>	The application of spectral line broadening as a diagnostic tool
<b>P.86</b>	<b>DAOUI Imane</b> Zenkri Louiza	Effects of d orbital occupancy and the nature of the ligand on the geometry of octahedral complexes: synthesis, identification and modeling.
<b>P.87</b>	<b>HASSANI Abdelkader</b> Belfar Mohamed Lakhdar, Hussain Siti Aslina	Physicochemical characterization of natural plant extract thympionone microparticles, and its evaluation in various biological activities





# ORAL SCHEDULE

MPM'23







## ORAL SESSION 1: Essential Oils and Secondary Plant Metabolites

CODE	AUTHORS	TITLE
<b>O.03</b>	SMADI Abla	Etude phytochimique d'une cistaceae
<b>O.04</b>	BOUGUERRA Amina	Determination of the antioxidant activity by chemical and electrochemical methods of launaea resedifolia's water fraction from the algeria sahara.
<b>O.05</b>	GUENTRI-AYARI Sofia Baali Faiza, Djemouai Nadjette, Gaceb-Terrak Rabéa, Ait Kettout Tassadit	Evaluation de l'activite antibacterienne de quelques extraits d'hyoscyamus muticus
<b>O.06</b>	TABET ZATLA Amina	Évaluation in vitro de l'activite anti-inflammatoire de l'huile essentielle de rosmarinus officinalis de la region de tlemcen
<b>O.07</b>	YAKOUBI Mimouna Belboukhari Nacer, Sekkoum Khaled	Evaluation of analgesic and anti-inflammatory activities of warionia saharae essential oil
<b>O.08</b>	Ben Seghier Meriem Belfar Mohamed Lakhdar	Evaluation of chemical compounds of heart of phoenix dactylifera l. Extracts in southeast algeria
<b>O.10</b>	BENZAHI Khedidja	Identification structurale d'un composé flavonique de la plante cynodon dactylon (l) pers de la région d'ouargla
<b>O.11</b>	BAREK Said	Phytoconstituant identification and biological activities of the aerial part of genista saharae (coss & durr).
<b>O.12</b>	KADRI Mohamed	The phytochemical composition of the plant periploca laevigata and a study of its effectiveness on oxalocalcic stone crystallization



## ORAL SESSION 2:

Essential Oils and Secondary Plant Metabolites. & Agricultural Practices.

CODE	AUTHORS	TITLE
<b>O.20</b>	<b>BOUKHARI Fayçal</b>	Chemical characterization of essential oils from algerian juglans regia.l leaves obtained using different extraction methods in different months
<b>O.21</b>	<b>GOUDJIL Rima</b>	In vitro sun protection factor of two ecotypes of lawsonia inermis linn extracts and essential oils.
<b>O.23</b>	<b>BERIALA Hadjer Nour El-Imane</b>	Phytochemical screening, antioxidant activity and acute toxicity of leaves extract of perularia tomentosa l., asclepiadaceae
<b>O.24</b>	<b>BAKELLI Aissa</b> Bakelli Aissa, Gagi Souad, Toubal Soraya, Djemouai Nadjette	Phytochemical study and evaluation of the antibacterial activity of the endemic medicinal plant bunium incrassatum
<b>O.01</b>	<b>DAHLIA Fatima</b> Abaid Sihem, Benchaib Hind, Zerrouki Sofiane	Effect of native mycorrhization on the behavior of three varieties of alfalfa (medicago sativa l.) Under water stress conditions
<b>O.14</b>	<b>DAHLIA Fatima</b> Boufares Khaled, Barouagui Soria, Guennouni Abdelkader, Khebbaz Djamel	Mycorrhization effect on the behavior of three alfalfa varieties (medicago sativa l.) Subject to phosphorus deficiency conditions
<b>O.15</b>	<b>CHAOUCHE Khaoula</b> Douadi Ali, Douba zaineb, Allali Nourelhouda	Physicochemical and microbiological characterization of the by-products of ethanol extraction process from dates not fit for human consumption.
<b>O.16</b>	<b>AOUIDANE Laiche</b> Kheddouma Asma, Drouai Hakim	Study of the agricultural production system in semi-arid regions, yabous case study (khenchela)
<b>O.17</b>	<b>HAMITRI GUERFI Fatiha</b>	Trace contamination of algerian virgin olive oil produced using good agricultural practices



# ORAL SESSION 3

Agricultural Practices. & Botany Ethnobotany et Ethnopharmacology.& Industrial Processing Technologies.& Molecular Modeling and Simulations.

CODE	AUTHORS	TITLE
O.18	<b>BEN MENINE Abdelkader</b> Razika Mecheri, Amel Bousata	Use of desert local plant (tamarix) filter to purify wastewater
O.19	<b>ABRANE Rahma</b> SAOULI Ibtissam, EULMI Amina, HAZOURLI Sabir	Interets de l'emploi d'un biocoagulant naturel dans la clarification d'une eau residuaire de laiterie
O.55	<b>KOUADRI Youcef</b> HADDEF Deradji	The study of the effect of artemisia extract on the quality of traditional butter.
O.57	<b>MNAFKI Rim</b> Ramzi Khiari, Younes Moussaoui, Jalel Labidi	Extraction lignin from posidonia oceanica by different processes and its roots of valorisation
O.60	<b>BENMENINE Abdekader</b> A. Benmenine, M. Saidat, R. Mecheri, A. Bousata	Use of desert local plant (tamarix) filter to purify wastewater
O.36	<b>REZIG Walid</b>	Fe(oh)2 in situ grown on diatomite: highly efficient photocatalyst for the removal of industrial textile
O.26	<b>MANSOURI Zahra</b>	Mise au point d'une lotion anti-poux à base d'huiles essentielles de melaleuca alternifolia, cymbopogon citratus et eucalyptus radiata
O.27	<b>AICHI Mouhamed</b> Hafied Meriem	Basicity and nucleophilicity effect in charge transfer of alh3-base adducts: theoretical approach



## ORAL SESSION 4: Molecular Modeling and Simulations.

CODE	AUTHORS	TITLE
O.28	BERRAHOU Noria	Molecular modeling of glass transition temperature, elastic properties and refractive index of polycarbonate (bpa-pc)
O.29	KHELFAOUI Hadjer Harkati Dalal, Saleh Basil A., Alnajjard Radwan, Elhiti Gamal A	Quantum computational, admet, molecular docking and dynamics simulation of various quinazolines and pyridopyrimidines as inhibitors of the epidermal growth factor receptor
O.30	HAFIED Meriem Aichi Mohamed	Structural properties and reactivity of uric acid: dft calculations
O.13	BOUNAR Haniya	Computational details of molecular structure, spectroscopic properties, topological studies and antibacterial activity against escherichia coli molecular docking simulation of 2-4-naphthoquinone derivatives
O.54	SALHI Sourour Medjdoub Abdelhakim, Teqwa Ragdi, Salah Tlili	Using the aqueous extract of red radish leaves(Raphanus sativus.L) as a mediated for the biosynthesis of zinc oxide (ZnO) nanoparticles
O.56	Hassein-bey-Larouci Amina	Dynamic and kinematic viscosities, excess volumes and excess gibbs energies of activation for viscous flow in the ternary mixture {primary alcohols +n,n-dimethylformamid + chloroform} at temperatures between 293.15 k and 323.15 k
O.31	HAIQUANI Kheira Hadjadje Yamina	Convergent and facile synthesis of hybrid sulfonopeptides
O.32	BENHACHEM Fatima Zahra Bendjelloul Meriem	Conception et optimisation d'un nouveau matériau composite
O.34	BENREDJEM Lamia	Exploring the antibacterial activity of citrus aurantifolia peels extracts against multi-drug resistant bacteria
O.35	BAGHDAD Karima Hasnaoui Abdelkrim M.	Faujasite-cellulose composite membranes for heavy metals and bacteria removal





## ORAL SESSION 5:

Synthesis, characterization and applications of new materials

CODE	AUTHORS	TITLE
<b>O.37</b>	<b>BENDJELLOUL Meriem</b>	Influence du greffage de groupements fonctionnels sur la surface de biopolymere lors de la retention d'un colorant industriel
<b>O.38</b>	<b>ATTIA Mohammed El Hadi</b>	Investigating a new solar dryer design with forced airflow in the climate of el oued, algeria: an experimental study
<b>O.39</b>	<b>BEN AZIA Ghania</b> Ben Azia Ghania, Zenkhri Louiza, Boudjema Souheyla	Metal organique framwork's (mof's) as antibacterial agent for biological remediation : synthesis and caracterization
<b>O.40</b>	<b>MIMOUNI Mourad</b> Rabhi Chaima, Bayou Samir, Ghougali Mebrouk, Rihia Ghani, Mahboub Mohammed Sadok	Neodymium doping and photopolymerization monomer nature effect on structural properties of bi-2212 superconducting ceramics.
<b>O.42</b>	<b>BEGGAS Azzeddine</b> Attia Mohammed El Hadi	Sm-doped cds thin films prepared by chemical bath deposition: a structural, and optical examination
<b>O.43</b>	<b>BOUDEBBOUS Khawla</b>	Synthesis and characterization of new sulphur-containing heterocyclic compounds
<b>O.44</b>	<b>BENCHIKH Imen</b>	Synthesis and use of mfimicroporous materials for capture of microorganisms
<b>O.45</b>	<b>RAGDI Teqwa</b> Nedjimi Mohammed Said, Boussebaa Walid, Meskher Hicham	Synthesis of new nanohybrid using yellow arabic gum
<b>O.25</b>	<b>MISSOUM Amina</b>	Method development for the determination of metronidazole drug using rp-hplc.



# ORAL SESSION 6

Synthesis, characterization and applications of new materials

CODE	AUTHORS	TITLE
<b>O.46</b>	BABAAMI Nour Elhouda Zenkhrri Louiza, Boudjemaa Souheyla	Synthesis, characterisation and evaluation of porous hybrid materials for the removal of pollutants from the aquatic environment.
<b>O.47</b>	TAHIR Belkacem	Welding of dissimilar materials
<b>O.58</b>	ZERROUKI Hayat Belfar Med Lakhdar, Zenkhrri Louiza. Cherbi Rekia, Azizi Feddia, Ben Tadj Khaoula	Preparing some nanocomposites from agricultural waste and studying some of their applications
<b>O.59</b>	ZERROUKI Hayat Belfar Med Lakhdar, Zenkhrri Louiza, Cherbi Rekia, Kerboussa Soundes, Bougrinat Ikram	Synthesis of some nanocomposites from agricultural waste and study the antibacterial activity
<b>O.48</b>	GHERAISSA Noura Benamor Bilal, Chemsah Ahmed El-Khalifa, Cherrada Nezar	In vitro evaluation of photoprotective, anti-hemolytic, anti-inflammatory, and antioxidant effects of methanolic extract from <i>Bassia muricata</i> (L.) Asch.
<b>O.49</b>	KHEDDOUMA Asma Aouidane Laiche, Bentounsi Housseem Eddine, Kellil Dalia, Arhab Rabah	Study of the antimicrobial activity of traditional herbal extracts: <i>Salvadora persica</i> and <i>Juglans regia</i> against microbial strains from oral cavity
<b>O.50</b>	SALHI Nasrine Kecbi Ibrahim, Fifou Nabila, Oukbaoui Lala	Effect of silver nanoparticles on salt tolerance of some Algerian varieties of durum wheat ( <i>Triticum durum</i> Desf.) through germination stage
<b>O.51</b>	LAIB Ibtissam Djahra Ali Boutlelis	Green synthesis of silver nanoparticles using <i>Helianthemum lippii</i> extracts (Hl-nps): characterization and study of interaction with DNA
<b>O.52</b>	RABHI Nada Lina N. L. RABHI, M. L. SEKRIFA, Y. TOUIL, H. Belkhalifa	Heavy metals monitoring variation in drainage's water of Ouargla's oases.
<b>O.53</b>	NEDJIMI Mohammed Said Medjdoub Abdelhakim, Teqwa Ragdi, Salah Tlili	Using the aqueous extract of red radish leaves ( <i>Raphanus sativus</i> L.) as a mediator for the biosynthesis of zinc oxide (ZnO) nanoparticles







# MPM'23 CONFERENCE

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