



The First International Congress on Food and Environmental Security

PROGRAM OF THE THIRD DAY

Wednesday, 17 May, 2023

08:30 - 09:00 Registration

PLENARY SESSION -3- - ONSITE-

Date: May 17, 2023
Time: 09:00 - 11:15
Room: Big Conference Room Abdelhamid Benhadouga

09:00-09:30

Prof. Kamel Belhamel

Nanoemulsions Based Edible Coatings in Food Products.

Laboratory of Organic Matériaux, Faculty of Technology, University of Bejaia, Algeria.

09:30-10:00

Prof. Toufik Chouana

Polysaccharides: Origins and applications

Faculty of Nature and Life Sciences, University of Kasdi Merbah of Ouargla, Algeria..

10:00 - 10:15

Coffee-break

10:15 - 10:45

Dr. Wafaa Dib

Probiotics, Microbiome and Food Allergy

Co-Authors: Hadria Grar, Djamel Saidi, Omar Kheroua & Samia Addou

¹University of Science and Technology Mohamed Boudiaf of Oran, Faculty of Natural and Life Sciences, Department of Biotechnology, Oran, Algeria.

10:45 - 11:15

Dr. Soufiane Bensalem

Water and Solid Waste Management in Aquaculture

Faculty of Nature and Life Sciences, University of Kasdi Merbah of Ouargla, Algeria.

Closing Session



**- POSTER PARALLEL SESSIONS –
- ONESITE--**

Topic 1: Water Quality & Treatment

Date: May 17, 2023
Time: 11.15 - 12:30
Session Chair: Pr. Nouredine Hamdi
Moderator: Dr. Nouara Boudjema

Boubatra Mustapha

ID: 135
Title: Removal of bromocresol green dye from wastewater using Electro Fenton process
Co-Authors: Khalfallah Nassir, Aguida Alla-eddine,
1st Author Affiliation: Faculty of Sciences and Technology, University of Mohamed El Bachir El Ibrahimi of Bordj Bou Arreridj, Algeria.

Assia Benhouria

ID: 151
Title: Mesoporous chitosan–epichlorohydrin/bentonite beads for the adsorption of reactive orange 16
Co-Authors: Mokhtar Boutahala.
1st Author Affiliation: Laboratoire de Valorisation des Matériaux, Département Génie des Procédés, Faculté des Science et Technologie, Université de Mostaganem, Algérie.

Nour-Elhouda Brahmi

ID: 159
Title: Kinetic study of the adsorption of a food coloring (Yellow Tartrazine E102) on activated carbon in an aqueous medium
Co-Authors: Fatiha Ahmed Chekkat, Mahdi Chiha, Khadidja Kahoul.
1st Author Affiliation: Faculty of Sciences, University of 20 Aout 1955 Skikda, Algeria.

Hadda Kebir

ID: 160
Title: Geochemical, Physicochemical and Radiochemical Characterization in drinking water (well and spring mineral waters) samples from Bordj- Bouarreridj region, east Algeria
Co-Authors: /
1st Author Affiliation: Faculty of Sciences and Technology, University of Mohamed El Bachir El Ibrahimi of Bordj Bou Arreridj, Algeria. 2 Birine Nuclear Research Center Ain Oussera. Bp 180, Djelfa-Algeria (CRNB).



Boubeker Khellaf

ID: 167
Title: **Arsenic content in marine and continental aquaculture waters from four regions in Algeria.**
Co-Authors: Rachida Chekri, Petru Jitaru, Leila Bouayad
1st Author Affiliation: Laboratory of Food Hygiene and Quality Insurance System, High National Veterinary School, Algiers, Algeria.

Abderrahim Mohamadi

ID: 192
Title: **Assessment of salinity and hydrogeochemical processes of Mchira - Teleghma groundwater: geochemical Approach.**
Co-Authors: Abdeslam Demdoun, Foued Bouaicha
1st Author Affiliation: Institute of Earth sciences and Universe, University of Batna2, Batna, Algeria

Nail Amara

ID: 194
Title: **Adsorption removal and recovery of phosphorus from water using a lanthanum-modified low-cost biochar**
Co-Authors: Asma Nouioua, Dhirar Bensalem, Abdelkader Ouakouak, Nouredine Hamdi
1st Author Affiliation: Research Laboratory in Subterranean and Surface Hydraulics, University of Biskra, PO Box 145, Biskra, 07000, Algeria.

Hafida Lebik

ID: 207
Title: **Detection and Identification of helminth eggs in treated domestic wastewater intended for reuse**
Co-Authors: Belgassim Boutra, Djamila Zioui, Asma Kadem, Salima Bahous, Nassima Bouamama, Nabila Boudina.
1st Author Affiliation: Unité de Développement des Equipements Solaires - UDES, EPST/Centre de Développement des Energies Renouvelables, Tipasa, Algeria

Mouna Bouanaka

ID: 208
Title: **Solar hydrocarbon degradation processes as wastewater treatment solution for environmental security.**
Co-Authors: Djamila Djedouani, Malika Chabani. Mouna Bouanaka
1st Author Affiliation: Faculty of mechanical engineering and process engineering, university of science and technology H.B

Abdelmadjid Rokbane

ID: 239
Title: **Design of Constructed Wetland (Phyto-Purification) in Some Sites of the City of Ouled Djellal and Reuse for Irrigation**
Co-Authors: Mahmoud Debabeche
1st Author Affiliation: Department of Civil Engineering, Faculty of Sciences and Technology, Bordj Bou Arreridj University, Algeria.



Closing Session

12:30 - 14:00

Lunch

- POSTER PARALLEL SESSIONS – - ONESITE--

Topic 2: Assessment & Management of Environmental Pollution

Date: May 17, 2023
Time: 11.15 - 12:30
Room: Big Conference Room Abdelhamid Benhadouga
Session Chair: Dr. Mahmoud Bali
Moderator: Dr. Taqiyeddine Bensouilah

Mohammed khelifa

ID: 18
Title: Assessment of the vulnerability to pollution of shallow aquifers, case study of the plain of M'léta NW Algeria.
Co-Authors: Abdelhamid Khedidja, Hamidi Mansour.
1st Author Affiliation: Water Resources Mobilization and Management Laboratory, University of Batna 2, Algeria.

Rezig Amina

ID: 48
Title: Assessment of groundwater vulnerability to pollution of El Asnam plan (Bouira department).
Co-Authors: Dahmani Yamina, Baloul Djouhra, Saggai Sofiane
1st Author Affiliation: Institut de technologie-Université Mohand Oulhadj Bouira, Algeria.

Amira Youbi

ID: 158
Title: Use of chironomidae (diptira) as a bio-indicator of pollution of aquatic ecosystems in algeria
Co-Authors: Ouissem Moumeni, Amina Saib, Khadidja Farfar, Ahmed Houilia, Karima Zerguine, Mohamed Réda Djebbar, Lynda Souiki
1st Author Affiliation: Environmental Innovation and Eco-Waste Management Division - Environmental Research Center - Annaba (CRE), Algeria.



Rima Djezzar

ID: 163
Title: **Modelling of phosphate adsorption on activated coal from date stones**
Co-Authors: Nora Seghairi
1st Author Affiliation: Laboratoire LARGHYDE, Civil and hydraulic engineering department, University of Biskra, Algeria

Nassim Sid

ID: 173
Title: **Colorectal cancer in the Bordj Bou Arreridj region (2017-2021)**
Co-Authors: Nor El Houda Belalmi, Fayçal Benbacha, Roumaïssa Beghoura, Nahla Hamma
1st Author Affiliation: Faculté des sciences de la nature et de la vie et sciences de terre et de l'univers, Université Mohamed El Bachir El Ibrahimi Bordj Bou Arreridj, Algérie

Meriem Djekoun

ID: 198
Title: **Study of physiological and morphometric changes in a plant model, Triticum durum Desf. exposed to a fungicide**
Co-Authors: Manel Djekoun
1st Author Affiliation: Laboratory of Cellular Toxicology, Faculty of Natural and Life Sciences, Badji Mokhtar University, PO Box 12, 23000, Annaba, Algeria

Leila Bouzabata

ID: 11
Title: **Cutaneous Leishmaniasis and the Effect of environmental factors on the North Eastern region of Algeria.**
Co-Authors: /
1st Author Affiliation: University of Annaba, Algeria

Hamoudi Faten-Selma

ID: 202
Title: **Assessment of glyphosate impacts on the shrimp palaemon adspersus: acute toxicity and biomarker**
Co-Authors: Berghiche Hinda
1st Author Affiliation: University of Badji Mokhtar, department of biology, faculty of science: laboratory of applied animal biology (LBAA), Annaba, Algeria.

Fatima Naili

ID: 211
Title: **The influence of plant species on heavy metal accumulation**
Co-Authors: Boualem Mayache
1st Author Affiliation: Laboratory of Biotechnology, Environment and Health. Department of Environmental Sciences and Agronomic Sciences, Faculty of Natural and Life Sciences, University of Mohamed Seddik Ben Yahia, Jijel, Algeria.



Closing Session

12:30 - 14:00

Lunch

- POSTER PARALLEL SESSIONS – - ONESITE--

Topic 4: Food Microbiology and Biotechnology

Date: May 17, 2023
Time: 11.15 - 12:30
Room: Big Conference Room Abdelhamid Benhadouga
Session Chair: Dr. Amina Zerroug
Moderator: Dr. Hanen Abed

Gahfif Ouahiba

ID: 255
Title: Isolement et criblage de cultures fongiques telluriques pour la production de cellulase et de xylanase par la fermentation liquide
Co-Authors: Bettache Azzeddine, Souagui Yasmina, Saidi Amal, Meribai Abdelmalek
1st Author Affiliation: Laboratoire de caractérisation et valorisation des ressources naturelles, faculté des Sciences de la Nature et de la Vie et des sciences de la terre et de l'univers, Université Mohamed El Bachir El Ibrahimi Bordj Bou Arreridj, Algérie

Feryal Belfihadj

ID: 126
Title: Occurrence of Multidrug Resistant Escherichia coli in Raw Chicken Meat
Co-Authors: Anfal Kara, Meriem Elkolli, Naouel Boussualim
1st Author Affiliation: Laboratory of Applied Microbiology, University of Setif 1, Algeria

Nassim Sid

ID: 171
Title: Risque de la brucellose lié à la consommation des produits laitiers crus dans la région de Bordj Bou Arreridj
Co-Authors: Nor El Houda Belalmi, Ilhem Laadjel, Katr El Nada Guerouache
1st Author Affiliation: Faculty of Natural and life Sciences and Sciences of Earth and Universe, University Mohamed El Bachir El Ibrahimi of Bordj Bou Arreridj, Algeria.



Amira Bourouba

ID: 183
Title: **ZnAl₂O₄ nanocomposites as an antifungal agent against Candida albicans**
Co-Authors: Amina Bourouba, Tayeb Bouarroudj, Abd El Ghani Djahoudi, Houneida Benbouzid
1st Author Affiliation: Laboratory of Cellular Toxicology, Department of Biology, Faculty of Sciences, University of Badji Mokhtar, Annaba, 23000, Algeria

Amina Bourouba

ID: 186
Title: **Antifungal activity of titanium dioxide nanoparticules against Candidal albicans.**
Co-Authors: Amira Bourouba, Tayeb Bouarroudj, Abd El Ghani Djahoudi, Houneida Benbouzid
1st Author Affiliation: Laboratory of Cellular Toxicology, Department of Biology, Faculty of Sciences, University of Badji Mokhtar, Annaba, 23000, Algeria

Fatima Zohra Kaissar

ID: 214
Title: **Screening of potent Pectinolytic bacteria from rotten fruit for potential industrial applications**
Co-Authors: Bouziane Abbouni, Mohamed Amine Benine, Saadi Sid Ahmed.
1st Author Affiliation: Faculty of Nature and Life Sciences and Sciences of Earth and Universe, University of Djillali Liabes of Sidi Bel Abbes, Algeria.

Titaouine Mohammed

ID: 256
Title: **Microbiological and physicochemical study of different ruminants meats (Camel, Sheep, Goat, and Cow) in the region of Biskra- Algeria**
Co-Authors: Chergui Moussa
1st Author Affiliation: Laboratory Diversity of Ecosystems and Dynamics of Agricultural Production Systems in Arid Zones (DEDSPAZA) University of Biskra BP 68 Biskra 07000 Algeria.

Souad Menazel

ID: 262
Title: **Biological control of Fusarium verticillioides LZ-8 by Pichia anomala**
Co-Authors: Souad Rhighi, Nadjiha Djellel, and Mouhamed Mihoub Zarroug.
1st Author Affiliation: Faculty of Nature and Life Sciences, University of Ferhat Abbas, Setif, Algeria

Closing Session

12:30 - 14:00

Lunch



**- POSTER PARALLEL SESSIONS –
- ONESITE--**

Topic 5: Utilization of Medicinal Plants in Food and/or Therapy

Date: May 17, 2023
Time: 10.45 - 12:30
Room: Big Conference Room Abdelhamid Benhadouga
Session Chair: **Dr. Nouredine Touati**
Moderator: **Dr. Saber Boutellaa**

Rima Yakoubi

ID: 122
Title: **Extraction of phenolic compounds from the leaves of Mentha pulegium and study of their biological activities**
Co-Authors: Smain Megateli , Tahar Hadj sadok, Chawki Bensouici
1st Author Affiliation: Laboratory of Biotechnology, Environment and Health, Faculty of Nature and Life Sciences, Blida 1 University, BP 270, Road of Soumaa, Blida 09000, Algeria.

Marrouche Hind

ID: 129
Title: **Flora and medicinal plants of the Righa Dahra Massif (Setif, Algeria)**
Co-Authors: Bachiri Missoun & Bounar Rabah
1st Author Affiliation: Mohamed Boudiaf M'sila University, Faculty of Sciences, Department of Natural and Life Sciences. Laboratory of biodiversity and biotechnological techniques of the valorization of plant resources (BTB-VRV).

Lynda Hamedi

ID: 204
Title: **High-fat diet promotes metabolic dysfunction in a streptozotocin-induced diabetic mice**
Co-Authors: Karima Dahili, Djamil Krouf
1st Author Affiliation: Clinical and Metabolic Nutrition Laboratory. Biology department. Faculty of Natural and Life Sciences. University Oran 1. Ahmed Benbella

Sahraoui Meriem

ID: 205
Title: **Screening phytochimique d'une plante médicinale saharienne de la région d'Adrar.**
Co-Authors: Behidj Nassima, Neffah Fadhila
1st Author Affiliation: Laboratoire de Technologies Douces, Valorisation, Physico-Chimie des Matériaux Biologique et Biodiversité

Fatima saida Zouaoui



ID: 206
Title: **Evaluation de l'activité antioxydante et antibactérienne de l'huile essentielle de *Thymus capitatus* de la région de Tlemcen**
Co-Authors: R. Boukharib, O. Kherou, D. Saidi, S. Addou
1st Author Affiliation: Laboratoire de physiologie de la nutrition et sécurité alimentaire. Université d'Oran 1 Ahmed Ben Bella, Algérie.

Benseghir Hassane

ID: 213
Title: **Evaluation of the antifungal activity of the essential oil of *Rosmarinus officinalis* against *Candida albicans***
Co-Authors: Hezil Djamilia, Bessas Amina, Zaidi Sara, Zineddine Radja, Rouane Asma
1st Author Affiliation: Département de Biologie, Faculté des Sciences, Université M'Hamed Bougara, Boumerdes 035000, Algérie

kheira Gasmi

ID: 216
Title: **Chemical Composition of Algerian *Thymus vulgaris* Essential Oil from Various Geographical Locations**
Co-Authors: Zohra Madani, Rym Nouria Benamara, Tala Lahreche.
1st Author Affiliation: Faculty of Nature and Life Sciences, University Mustapha Stambouli, Mascara, Algeria.

Hichem Bellala

ID: 222
Title: **Protective effect of psyllium (*Plantago ovata*) against the oral toxicity of a mixture of food additives (ADI and ADI×2) on the intestinal microbiota and digestive transit of Wistar rats.**
Co-Authors: Amel Hadj Ziane, Arezki Bitam
1st Author Affiliation: Faculty of Nature and life sciences, Department of Food Sciences, University Saad Dahlab of Blida, P.O. Box 270, 09000 Blida, Algeria

Maha Hasni

ID: 242
Title: **Anti-inflammatory of the essential oil of two Boraginaceae family species**
Co-Authors: Nasser Belboukhari, Khaled Sekkoum
1st Author Affiliation: Bioactive Molecules and chiral separation Laboratory (BMCSL), PO Box 417, University of bechar, 08000, Algeria

Houda Sara Nacef

ID: 245
Title: **Evaluation of antimicrobial activity of essential oil and endophytes from the medicinal plant *Lavandula officinalis***
Co-Authors: Khawla Ramla, Safa Chaibi, Yassmina Benaidja
1st Author Affiliation: Laboratoire of applied Microbiology - University Farhat abbas Setif 1- Faculty of Natural and Life Sciences -Département de Microbiologie- Setif- Algeria



Abderrezak Bouchareb

ID: 245
Title: Valorization of natural polymers toward improve integration between (food-energy-water) nexus.
Co-Authors: Abdelhak Djemel, Imeddine Kadi, Farouk Bennacuer and Yund Tse Hang
1st Author Affiliation: Research Unit on Medicinal Plants (URPM, 3000, Laghouat), Biotechnology Research Center (CRBt, 2500, Constantine), Algeria

Closing Session

12:30 - 14:00

Lunch

- ORAL SESSION – - ONESITE--

Topic 5: Utilization of Medicinal Plants in Food and/or Therapy

Date: May 17, 2023
Time: 10.45 - 12:30
Room: Big Conference Room Abdelhamid Benhadouga
Session Chair: Dr. Hassina Guergour
Moderator: Dr. Hayet El kolli

Boudouira Nassira

10:45 - 11:00

ID: 04
Title: Couscous sans gluten enrichi en légumes secs : Développement et caractérisation technologique, texturale, microstructurale et sensorielle
Co-Authors: Benatallah Leila, Zidoune Mohammed Nasreddine
1st Author Affiliation: Laboratory of Nutrition and Food Technology, Nutrition Institute (INATAA), University frères Mentouri of Canstantine 1, Algeria

Habibatni Sofiane

11:00 - 11:15

ID: 302
Title: Biological activity of *Juniperus phoenicea*
Co-Authors: /
1st Author Affiliation: University Abbès Laghrour, Khenchela



Dehiri Mounira	
11:15 - 11:30	ID: 238
	Title: Biological Activity of hydrométhanolic extract from Peganum hamala L.
	Co-Authors: Diafat Abdelouahab, Fatmi Widad, Hachemi Rania, Ben Mansour Riadh
	1st Author Affiliation: Laboratory for the Characterization and Valorization of Natural Resources. Biological Sciences Department, Faculty of Sciences, Mohamed El Bachir El Ibrahimi University, Bordj Bou Arreridj.
Mekhoukh Nasreddine	
11:30 - 12:00	ID: 30
	Title: Effect of extraction solvent on the content of P. calabrica phenolic compounds and their antimicrobial activity
	Co-Authors: Nadia Chougui, Yuva Bellik.
	1st Author Affiliation: Faculty of Natural and Life Sciences, University of Bordj Bo Arreridj, Algeria.
Rima Yakoubi	
12:00 - 12:15	ID: 120
	Title: Study of the chemical composition, antioxidant and anti-alzheimer activities of essential oils of Laurus nobilis, Lavandula stoechas and Mentha pulegium alone and in combination
	Co-Authors: Smain Megateli , Tahar Hadj sadok, Chawki Bensouici
	1st Author Affiliation: La boratory of Biotechnology, Environment and Health, Faculty of Nature and Life Sciences, Blida 1 University, BP 270, Road of Soumaa, Blida 09000, Algeria.
Amel Hammoudi	
12:15 - 12:30	ID: 147
	Title: Comparative study of the insecticidal activity of Lavandula stoechas extracts against Aphis pomi
	Co-Authors: Ouahiba Bouchenak, Karim Arab
	1st Author Affiliation: Laboratoire Bio-Informatique, Microbiologie Appliquée Et Biomolécules. Université de Boumerdes.
Iaichouchen Ouamar	
12:30 - 12:45	ID: 172
	Title: Ancient's plants as a sector to be highlighted in order to contribute to improving the quality of health and guaranteeing food safety.
	Co-Authors: Boukhenouf Arezki, Boughaba Nawal.
	1st Author Affiliation: University of Algiers 2



12:45 – 13:00	Asma Lahouel	
	ID:	184
	Title:	Ethnopharmacological survey on medicinal plants used for the treatment of cancer in Jijel province, Algeria
	Co-Authors:	Safia Habila
	1st Author	Faculty of Nature and Life Sciences; Laboratory of Pharmacology and
Affiliation:	Phytochemistry, University of Jijel, Algeria.	

Closing Session

13:00 - 14:30	Lunch
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Closing Ceremony

Date:	May 17, 2023
Time:	15:00 – 17:00
Room:	Big Conference Room Abdelhamid Benhadouga