



# SMACUMED International Conference on Water-Energy-Food-Ecosystem Nexus in the Mediterranean Region (WEFE 2023)

## Thursday, November 16, 2023

**Posters session - The main hall (9:00 AM - 10:45 AM)**

**-Conveners: Houssam Lakhmili**

time	[id] title	presenter
9:00 AM	[64] Breeding and genetic improvement of industrial hemp ( <i>Cannabis sativa</i> L.) in Morocco	Dr RACHIK, Oumaima
9:00 AM	[84] Enhancing the agrophysiological performance of chickpeas under low-P soil conditions with the co-application of bacterial consortia and P-fertilizers	Ms SAIDI, Rym
9:00 AM	[117] Spatial Modeling with GIS of Water, Soils and Sediments of Pit Lakes Contamination by Heavy Metals and Arsenic in the Abandoned Mine of Zeida (Morocco)	Dr BENYASSINE, El Mehdi
9:00 AM	[78] How polyphosphate fertilizer can alleviate cadmium stress in tomato plants?	Ms NACIRI, Rachida
9:15 AM	[83] A Comparison of Different Rear Irradiation Modeling Methods in a Bifacial PV System	Dr BENBBA, Rania
9:15 AM	[52] Anticyanobacterial and antimicrobial potential of essential oils from <i>Cedrus atlantica</i> , <i>Pistacia atlantica</i> and <i>Schinus molle</i>	ESSADKI, Yasser
9:15 AM	[79] Deciphering plant responses to various phosphorus sources in alkaline-calcareous soils	Ms QETRANI, SALMA
9:15 AM	[49] <i>Bacillus</i> sp. are Potential Biocontrol Agents against <i>Fusarium oxysporum</i> f. sp. <i>albedinis</i> Causal Agent of Palm Dieback Disease (Bayoud)	Mr DIOUF, Aliou Moussa
9:30 AM	[72] Non-Destructive Rapid Detection and Differentiation of Aflatoxigenic <i>Aspergillus</i> species using Fourier-Transform Infrared Spectroscopy in Kenyan Hybrid Maize Cultivars	Ms GACHARA, Grace
9:30 AM	[108] GREEN ADSORBENT SYNTHESIS FOR SUSTAINABLE REMOVAL OF PHENOL FROM OLIVE OIL MILL WASTEWATER	Ms HAYDARI, Imane
9:30 AM	[109] Green Hydrogel Technology for Smart Irrigation	Mr BERRADI, Achraf
9:30 AM	[61] Phosphorus efficiency levels of different moroccan chickpea genotypes under greenhouse conditions	Mr NDIAYE, Pape Alioune
9:45 AM	[101] 3D Flower-like Bi <sub>2</sub> WO <sub>6</sub> Microspheres Embedded in Chitosan Hydrogels: A Powerful and Highly Versatile Photocatalysts for Water Treatment	BRIK, Abdelmalik
9:45 AM	[70] Arbuscular Mycorrhizal Fungi Improves Yield and Quality Attributes of Melon Fruit Grown Under Greenhouse	Mr BENKEBBOURA, Abderrazak
9:45 AM	[40] Incorporation of pumpkin peel extract into a pumpkin pulp formulation as a natural preservative	Dr GONÇALVES, Alexandre
10:00 AM	[8] An Experimental Study on Forward Osmosis Desalination of Groundwater under Framework of Water-Energy-Food Nexus	Ms AMIN, Ghada

10:00 AM	[107] Mediterranean Knowledge of Acorn Based Food, Distribution and Diversity of Quercus Tree in Morocco	EL KHATIB, Khaoula
10:00 AM	[82] Exploiting the Potential of Nanochloropsis gaditana and Isochrysis galbana as Biostimulants for Wheat: Advancing Growth and Enhancing Nutritional Quality	Ms MOUNAIMI, Sana
10:00 AM	[32] Olive by-products extract: Assessing the Polyphenols Content, Antioxidant, and Antiglycation Activities of olive cakes and olive waste water	Mrs BENBAKRIM, Btissam
10:15 AM	[6] Synthesis, Characterization and Antibacterial activity of silver nanoparticles using Aqueous extract of Pulicaria odora roots	Ms ZEFZOUFI, Manal
10:15 AM	[96] Study of the performance of a prototype activated sludge treating secondary processing wastewater	Ms ZEHOUANI, Ilham
10:15 AM	[54] Diversity and relative abundance of solitary bees in Moroccan agroecosystem: the case of the almond tree	Mr SKAOU, AYYOUB
10:15 AM	[103] Development of biothermosetting resins HNT/polycaprolactone via thiol-ene radical photocrosslinking for anticorrosive applications: Preliminary study	ZIBOT, Hbiba
10:30 AM	[90] Phytochemical profile and in vitro Allelopathic potential of alkaloid fraction from aerial parts of Senecio anteuphorbium, a Moroccan endemic plant.	Mrs OUHADDOU, SOUKAINA
10:30 AM	[20] PREDICTION OF FLOOD RISK IN AN URBAN ENVIRONMENT: CONTRIBUTION OF MACHINE LEARNING MODELS	EL HAOU, MOHAMED
10:30 AM	[111] Valorization of waste from Periplaneta Americana L. as a new chitinous source applicated in the treatment of a real effluent	Dr ELADLANI, Nadia
10:30 AM	[24] Modeling the Impact of Height and Diameter in Slow Sand Filtration for the Conservation of Contaminated Water Resources for Irrigation Reuse: A Novel Instrument for Sustainable Development.	ELHAYA, Nassima

### **Posters session - The main hall (11:00 AM - 1:00 PM)**

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time	[id] title	presenter
11:00 AM	[153] Exploration of Moroccan soil microalgae and cyanobacteria diversity and screening of their biostimulant effects on wheat seeds germination performance	Mr CHABILI, Amer
11:00 AM	[152] Agro-physiological and biochemical assessment of half-sib families of alfalfa for tolerance to water stress.	Dr LAHRIZI, Yahya
11:00 AM	[140] Patterns and Fluctuations in Rainfall in West-Central Morocco and their Associations with Broad-Scale Atmospheric Teleconnections	BOUGHDADI, SARA
11:15 AM	[148] Formulation and characterization of O/W emulsions stabilized using eco-friendly aqueous extract from olive pomace	FAINASSI, Firdaous
11:15 AM	[138] Vermicomposting as a tool to valorize organic waste	SOUMBATI, Yassine
11:15 AM	[130] Evaluation of the Residual Extract of Rosmarinus officinalis as Fertilizer on tomato seedlingss	BOUCETTA, Mohcine
11:30 AM	[147] Efficient valorization and biological treatment methods of olive mill wastewater	DAHANE, Oumaima
11:30 AM	[129] Cured NaOH-Etched Heated Clay-Cellulose Composites: Characterization, Dye Adsorption, and Desorption Study Using Response Surface Methodology	Mr MOURAK, Abdellah

11:30 AM	[151] Evaluation of future water demand and supply in the Ourika watershed, high atlas, Morocco, considering IPCC climate change and socio-economic scenarios through integrated modeling approaches	AYT OUGOUGDAL, HOUSSAM
11:45 AM	[123] Impregnation with toxic elements in the city of Marrakech: water, soil and nails.	OUISSSELSAT, Mariam
11:45 AM	[145] Bi5O7I Nanosheets Supported on Chitosan for Organic Dyes photo-degradation and 4-Nitrophenol Reduction	BRIK, Abdelmalik
11:45 AM	[150] Green synthesis of silver nanoparticles using Moroccan Berberis vulgaris root aqueous extract and its antibacterial and antioxidant activities.	Prof. EL MASLOUMI, Mohamed
12:00 PM	[143] Intercropping with Faba Bean to Boost Wheat Growth, Yield, and Nutrient Uptake in Water and Phosphorus Deficient Conditions.	Mr CHETO, Said
12:00 PM	[118] Revealing the Potential of Chitin and Chitosan: Sustainable Extraction and Transformation of Marine Waste for Climate Action	Dr ELADLANI, Nadia
12:00 PM	[157] Novel active food packaging based on electro-blow spun hybrid nanofibers: fabrication, characterization	Dr AKHOUY, Ghizlane
12:15 PM	[144] The effectiveness of Rosmarinus officinalis in controlling citrus nematodes T. semipenetrans under in vitro and greenhouse conditions	ZOUBI, Btissam
12:15 PM	[154] Influence of soil microalgae-cyanobacteria consortium inoculation on microbial communities and soil fertility	Dr MINAOUI, Farah
12:15 PM	[125] Chemical composition and antioxidant activity of Pistacia lentiscus fruit oil by-product	Ms YOUSSEFI, Meryem
12:30 PM	[146] HPLC analysis and biological activity assessment of Moroccan Pistacia lentiscus fruit phenolic extract	DERDAR, Fatima-ezzahra
12:30 PM	[155] Biofertilizing effect of Anabaena cylindrica aqueous extract on soil fertility	HAKKOUM, Zineb
12:30 PM	[126] Lavandula maroccana: Antibacterial and antioxidant potentials of endemic Moroccan plant's essential oil	HOUSSAYNI, Siham
12:45 PM	[39] Assessment of water content in almond leaves (LRWC) in rainfed areas, when subjected to different soil maintenance systems	Dr GONÇALVES, Alexandre
12:45 PM	[105] Bi5O7I nanosheets supported on chitosan for organic dyes photo-degradation and 4-Nitrophenol Reduction	BRIK, Abdelmalik
12:45 PM	[139] Influence of Diverse Priming Substances on Enhancing Quinoa Seeds Germination under Severe Salinity Stress Conditions	Mr BOURHIM, Mohammad Redouane