

09:00 AM	<div>Keynote 3</div> <div>Hamed El-Mously, Ain Shams University, Egypt</div> <div>Date Palm Byproducts: A Springboard for Circular Bio Economy</div>		
09:45 AM	<div>Keynote 4</div> <div>Abou El-Kacem Qaiss, Moroccan Foundation for Advanced Science, Innovation and Research (MAScIR), Morocco</div> <div>Recent Advances on Bio-Thermoplastics Based Date Palm Fibers</div>		
10:30 AM	<div>Discussion Panel 2</div> <div>The Role of Government Agencies in Integrating and Empowering the Industrial Sector of Palms, Dates and their Derivative Products</div> <div>Moderator:</div> <div>Dr. Abdullah Khalifa M Almubarak, Director of Food Processing Sector – National Industrial Development Center, Saudi Arabia</div> <div>Panelists:</div> <div>Mosleh Fayez Alzobidi, Ministry of Industry and Mineral Resources, Saudi Arabia</div> <div>Khalid Fahad Alkhalid, Local Content and Government Procurement Authority, Saudi Arabia</div> <div>Hassan Saleh Abalkhail, Saudi Food and Drug Authority, Saudi Arabia</div> <div>Nasser Albishi, The National Centre for Palms & Dates, Saudi Arabia</div>		
11:30 AM	Coffee Break/ Poster Session		
	Room A Session A.3 Mohanad El-Harbawi	Room B Session B.3 Abou El-Kacem Qaiss	Room C Session C.3 Hassan Ali-Dinar
12:00 PM	<div>INVITED SPEAKER</div> <div>Date Palm Derived Biochar Amendments to Mitigate Water Deficit Effects in Greenhouse Grown Cucumbers</div> <div>Muhammad Munir, Saudi Arabia</div>	<div>ID 051</div> <div>Production of Insulation Panels from the Petiole of Date Palm as Byproducts</div> <div>Abdelouahed Kriker, Algeria</div>	<div>INVITED SPEAKER</div> <div>Production of Nano cellulose and Nano-Composites from Date Palm Biomass for Eco-Friendly and Sustainable Greener Future</div> <div>Hassan Ali-Dinar, Saudi Arabia</div>
12:15 PM		<div>ID 039</div> <div>Evaluation of Fungal Decay and Biodegradation of Thermoplastic Composites Reinforced with Date Palm Fibre</div> <div>Said Awad, Egypt</div>	
12:30 PM	<div>ID 066</div> <div>Microwave-Assisted Production of Hydrochar by Hydrothermal Carbonization of Palm Date Biomass and its Application to the Removal of Dyes from Wastewater</div> <div>Saeed Alhawtali, Saudi Arabia</div>	<div>ID 041</div> <div>Improvement of Cement Thermal Insulation with Natural Palm Polymeric Fiber</div> <div>Zaid Alhulaybi, Saudi Arabia</div>	<div>ID 063</div> <div>Biological Potential of Pits and Vinegar From of Three Varieties of Algerian Phoenix Dactylifera L.</div> <div>Zahia Kabouche, Algeria</div>
12:45 PM	<div>ID 095</div> <div>The Use of Biochar to Improve the Hydro-Physical Properties of Sandy Soils in Arid Regions.</div> <div>Abdulrasoul Al-Omran, Saudi Arabia</div>	<div>ID 119</div> <div>Chemical and Thermal Properties of a New Insulating Material Based on Portland Cement Reinforced with Date Palm Fibers</div> <div>Nadir Bellel, Algeria</div>	<div>ID 024</div> <div>Unlocking the Potential of Date Fruit Pomace: Lactic Acid fermentation and Adsorbent Material Valorization</div> <div>Sabeera Haris, United Arab Emirates</div>
01:00 PM	<div>ID 102</div> <div>Date Palm Waste Biochar for Sustainable CO2 Capture. Performance and SWOT Analysis</div> <div>Mukarram Zubair, Saudi Arabia</div>	<div>ID 128</div> <div>Characterization and Behavior Simulation of Extruded Clay Bricks with Light Weight Date Palm Fibers</div> <div>Mohamed Bentchikou, Algeria</div>	<div>ID 107</div> <div>Natural Sweeteners from Local Dates – Practical Applications for Calculating Nutrients and Calories</div> <div>Muneera Al-Mssallem, Saudi Arabia</div>
01:15 PM	<div>ID 192</div> <div>Development of PCL/date palm fibre bio-composites for sustainable packaging applications: effects of dry blending process on bio-composites' mechanical and thermal performances</div> <div>Hom Dhakal, United Kingdom</div>		<div>ID 208</div> <div>TiO2 Activated Carbon Photocatalyst Prepared using Date Pits for the Degradation of Methane and Phenol</div> <div>Waheed A. Al-Masry, Saudi Arabia</div>
01:30 PM	Lunch/ Poster Session		

09:00 AM	Keynote 5 Naceur Belgacem , Grenoble INP-Pagora Engineering School, France Cellulose as Substrate for Active Surfaces: Theory and Applications		
09:45 AM	Keynote 6 Nashi Khalid Alqahtani , King Faisal University, Saudi Arabia Date Palm Waste Innovative Products for Sustainable Environment		
10:30 AM	Discussion Panel 3 Estimations of Local and Global Date Palm Byproducts Moderator: Abdulrahman S. Al-Habib , Executive Director of The International Council for Dates Panelists: Thaer Yasin , Food and Agriculture Organization (FAO), Egypt Fuaad Mansur , Industrial Date Palm Waste Conversion Expert, Iraq Mustapha Abdelaoul , Palm Waste Valorization Project Manager, Morocco Adah Alfayez , The Saudi investment recycling company (SIRC), Saudi Arabia Anwar Haddad , Jordanian Dates Association, Jordan		
11:30 AM	Coffee Break/ Poster Session		
	Room A Session A.4 Mohamed Ali	Room B Session B.4 Naceur Belgacem	Room C Session C.4 Nashi Khalid Alqahtani
12:00 PM	INVITED SPEAKER New Novel Thermal Insulation and Sound-Absorbing Materials Developed from the Surface Fiber and Leaves of Palm Trees and their Hybrid with other Materials Mohamed Ali, Saudi Arabia	ID 201 Significance of Natural Dyes Extracted from Date Palm Fiber Fibrillium and Assessment of Dyeability on Cellulosic Fiber via Statistical Modeling Ramzi Khiari, Tunisia	ID 089 Utilizing Date Pits in Microencapsulation: Effect of Different Variations on Probiotic Survivability Under in-Vitro Digestion Asmaa AlHamayda, United Arab Emirates
12:15 PM		ID 170 Mechanical Properties of Nano Date Palm versus Nano Titanium Dioxide Particles Reinforced Composites: Experimental Characterization Khalid Alzebedeh, Oman	ID 184 A Look at Palm and Date Losses and Opportunities for Sustainable Investment Abdullah Alhamdan, Saudi Arabia
12:30 PM	ID 059 Cellulose Aerogels Made from Date Palm Wood for Heat Insulation in Construction Hyder Al Abdallah, United Arab Emirates	ID 083 Design, Processing, Testing and Characterizing for Orthodontics of Palm-fibers based Bio-nanocomposite Refat El-Sheikhy, Saudi Arabia	ID 092 Selective Fermentation of Wasted Saudi Dates' Syrups into Fructose and Bioethanol or Single Cell Protein Mohamed Gaily, Saudi Arabia
12:45 PM	ID 157 Oil Palm Trunk and Fiber Utilization – Flow of Material, Nutrients and Carbon Arno Fruehwald, Germany	ID 034 Utilization of Graphene Oxide Derived from Date Pits for Adsorption Mechanism of Bromopyrogallol Red (BPR) Dye Nasser Awwad, Saudi Arabia	ID 172 Identification of Secondary Metabolites in Ajwa Date Seed and Optimized Condition of Enzymes inhibition Using Response Surface Methodology and Artificial Neuronal Network Models Fanar Hamad Alshammari, Korea
01:00 PM	ID 191 Cross-Laminated Timber (CLT) Made from Oil Palm Wood (Elaeis guineensis Jacq.) Katja Fruehwald-Koenig, Germany	ID 117 Electricity Production Potential Using Date Palm Biomass Jamel Orfi, Saudi Arabia	ID 145 A Green Surfactant from Date Seeds for Different Oil Field Applications Taha Moawad, Saudi Arabia
01:15 PM	ID 029 Presentation of The Book (Date Palms By-products. Their Types and Economic Importance) Ramzy Aboaiana, Saudi Arabia	ID 067 Optimization of Process Conditions for the Synthesis of High Efficacy Activated Carbon from Palm Leaflet Wastes for CO ₂ Capture Ebrahim Al-Ghurabi, Saudi Arabia	ID 026 Characterization of Raw and Chemically-Modified Date Palm Leaves Biomass and its Application for the Remediation of 2,4,6-Trichlorophenol from an Aqueous Environment Siva Kumar Nadavala, Saudi Arabia
01:30 PM	Lunch/ Poster Session		
03:00 PM	Keynote 7 Stanford Blade , University of Alberta, Canada Agricultural Biomass: Towards a Circular Economy		
03:45 PM	Plenary 2 Guido Dr. Reinhardt , IFEU-Institute for Energy and Environment, Germany Significant reductions in greenhouse gas emissions by optimized use of by-products from palm oil production: a comprehensive assessment		
04:15 PM	Best Presentation and Poster Award/ Closing		

POSTER PROGRAMME

ID 1

LIGNOCELLULOSIC COMPONENTS OBTAINED BY ORGANOSOLV DESTRUCTURATION OF BIOMASS MATERIAL

AMMAR Houcine | Faculty of Sciences of Sfax | Tunisia

ID 2

WATER ABSORPTION OF HDPE/WASHINGTONIA FILIFERA FIBER BIOCOMPOSITES: MODELING USING RSM AND GA-ANN

Ahmed Belaadi | University 20 aout 1955-Skikda | Algeria

ID 8

THE EFFECT OF SOME HORMONES ON THE IN VITRO CULTURE OF DATE PALM (PHOENIX DACTYLIFERA L.) OF BOU-SAÂDA, ALGERIA

Ahlem Guettouchi | The University of Mohamed Boudiaf | Algeria

ID 22

NANO CELLULOSE AND NANOCOMPOSITES FROM PALM BYPRODUCTS

Md. Zaved Hossain Khan | Jashore University of Science and Technology | Bangladesh

ID 27

VALORIZATION OF DATE STONES IN THE TREATMENT OF AQUEOUS EFFLUENTS BY ADSORPTION PROCESS

Taous Hamad | Djilali Bounaama university | Algeria

ID 32

ETHNOBOTANICAL SURVEY OF DATE PALM BYPRODUCTS USED IN SOUTHERN ALGERIA OASES: LOCAL KNOWLEDGE AND INTERESTS

Djamila Chabane | University of Sciences and Technology Houari Boumediene | Algeria

ID 44

THERMAL ANALYSES OF PALM DATE SEEDS

Bel Abbes Bachir Bouiadjra | University of Sidi Bel Abbes | Algeria

ID 45

EVALUATION AND COMPARISON BETWEEN DATE PALM FIBERS AND ALFA FIBERS COMPOSITES

Fekih Sidi Mohamed | LMPM, Department of Mechanical Engineering, University of Sidi Bel Abbes | Algeria

ID 47

RECOVERY OF PALM TREE WASTE INTO PLANT FIBRES FOR REINFORCING CONSTRUCTION CONCRETE.

KHALFI Yassine | université de Sidi Bel Abbes | Algeria

ID 54

EVALUATION OF QUALITY OF YOGHURT WITH THE ADDITION OF DATE SYRUP (ROB) AND STUDY OF ITS STABILITY DURING STORAGE BY REFRIGERATION

ALLIOUA Meryem | Institute of Applied Sciences and Techniques (ISTA) | Algeria

ID 60

HYDROGEN PRODUCTION VIA CATALYTIC METHANE DECOMPOSITION OVER IRON-SUPPORTED ON ACTIVATED CARBON DERIVED FROM WASTE DATE PALMS

Hamid Ahmed | King Saud University | Saudi Arabia

ID 62

ANTIOXIDANT AND ANTICHOLINESTERASE ACTIVITIES OF FRUITS AND STALKS OF THREE VARIETIES OF ALGERIAN PHOENIX DACTYLIFERA L.

Ahmed Kabouche | Université frères Mentouri-Constantine 1 | Algeria

ID 68

THE DATE PALM (PHOENIX DACTYLIFERA L.)FROM ALGERIA: AN OVERVIEW OF BIOLOGY, USES, AND CULTIVATION

Salah Akkal | The University of Mentouri | Algeria

ID 75

ANTIOXIDANT ACTIVITY AND PHENOLIC CONTENT OF EXTRACTS FROM TWO VARIETIES OF DATES GROWN IN TUNISIA

Younes Moussaoui | Faculty of Sciences of Gafsa | Tunisia

ID 78

DESIGN OF SUSTAINABLE OIL SPILL CLEANUP ADSORBENT MATERIAL USING AGRICULTURE WASTE

Alhanouf Alagil | Imam Abdulrahman bin Faisal University | Saudi Arabia

ID 80

STABILIZATION OF SUNFLOWER OIL DURING ACCELERATED STORAGE: USE OF DATE PALM LEAVES EXTRACT AS A POTENTIAL ALTERNATIVE TO SYNTHETIC ANTIOXIDANTS

Noura bin Jabreen | Al Qussaim university | Saudi Arabia

ID 82

CONCEPTUAL DESIGN OF ZERO WASTE DATES PROCESSING: FROM DATES TO VALUABLE PRODUCTS AND BYPRODUCTS

Abdelbasset Bessadok | King Saud University | Saudi Arabia

ID 88

SEPARATION AND IDENTIFICATION OF FATTY ACIDS FROM DATE SEED OIL USING GS-MS GAS CHROMATOGRAPHY MASS SPECTROSCOPY

Mahdi Alkinani | Governorate Maysan -Ministry of Agriculture – Directorate Agriculture of Maysan. | Iraq

ID 91

COMPARATIVE STUDY OF MECHANICAL BEHAVIOR BETWEEN AN ADHESIVE MADE FROM DATE PALM WASTE AND FM-73 ADHESIVE

Sofiane MAACHOU | Institute of Science and Technology, University Center of Maghnia | Algeria

ID 98

PALM WASTE HEAT UTILIZATION IN COOLING AND DRYING OF DATES

Jamel Orfi | King Saud University | Saudi Arabia

ID 99

EFFECT OF TREATMENT ON PROPERTIES OF NITRILE RUBBER REINFORCED WITH DATE PALM FIBERS

Othman Alothman | King Saud University | Saudi Arabia

ID 104

EFFECT OF ANNEALED STEEL SLAG DOSES ON THE PHYSICOCHEMICAL PROPERTIES OF BIOCHAR DERIVED FROM WASTE DATE PALM FRONDS

Hana Almarri | Immam Abdulrahman bin Faisal University- Science College | Saudi Arabia

ID 108

PREPARATION OF ACTIVATED CARBON FROM DATE PALM RACHIS BY CHEMICAL ACTIVATION: OPTIMIZATION AND APPLICATION FOR REMOVAL OF METHYL ORANGE

Hafidha Debbache | University Of Kasdi Merbah-Ouargla | Algeria

ID 123

INVESTIGATION THE FEATURES OF ALGAL BIOCHAR DOPED WITH GREEN SYNTHESIZED SILVER NANOPARTICLES FROM PALM LEAVES WASTE AND STUDY SOME OF THEIR POSSIBLE APPLICATIONS

Nadiyah M. Alabdallah | Imam Abdulrahman bin Faisal University | Saudi Arabia

ID 127

EVALUATION OF THE ANALYTICAL AND PHYTOCHEMICAL STUDY OF THE EXTRACTS FROM THE HEART OF PHOENIX DACTYLIFERA L

BEN SEGHIER MERIEM | University Of Kasdi Merbah Ouargla | Algeria

ID 133

VALORIZATION OF DATE PALM OASIS WASTES BY COMPOSTING PROCEDURE UNDER HOT ARID CONDITIONS OF ALGERIAN SAHARAN REGIONS

Oustani Mabrouka | University of Kasdi Merbah Ouargla | Algeria

ID 149

IN VITRO APPROACHES TO ASSESS THE EFFECTS OF DATE SYRUPS AND THEIR POLYPHENOL AVAILABILITY AND THE SUBSEQUENT IMPACT ON THE GUT MICROBIOTA IN RATS.

Randah Alqurashi | King Faisal University | Saudi Arabia

ID 154

A REVIEW ON APPLICATION OF ARTIFICIAL NEURAL NETWORK FOR INDUSTRY OF BYPRODUCTS OF PALMS

Abdulwahed Aboukarima | King Saud University | Saudi Arabia

ID 160
PHYSICO-CHEMICAL, MICROBIOLOGICAL AND TOXICOLOGICAL MONITORING OF COMPOST FROM MIXING PALM DATE RESIDUES AND URBAN SEWAGE SLUDGE
Oustani Mabrouka | University of Kasdi Merbah Ouargla | Algeria

ID 163
EFFECT OF PARTICLE SIZE ON BEHAVIOR OF BIOCOMPOSITE BASED ON DATE PALM SEED: DESTRUCTIVE AND NON-DESTRUCTIVE INVESTIGATION
REKBI Fares Mohammed Laid Research Center In Industrial Technologies -CRTI- | Algeria

ID 164
VALORIZATION OF OASIS WASTES BY COMPOSTING PROCEDURE IN THE SAHARAN REGIONS
Oustani Mabrouka | University of Kasdi Merbah Ouargla | Algeria

ID 168
SUSTAINABLE APPROACHES FOR THE FABRICATION OF CELLULOSE-POLYAMIDE MEMBRANES BASED ON DATE PALM LEAVES FOR WATER TREATMENT
Seham ALTERARY | King Saud University | Saudi Arabia

ID 169
CARBON NANOSTRUCTURES DERIVED FROM DATE PALM: OPPORTUNITIES AND APPLICATIONS
Saleh M Alluqmani | Umm AL-Qura University | Saudi Arabia

ID 173
ECO-FRIENDLY FABRICATION OF CU/AG FUNCTIONALIZED NANOCELLULOSE FOR BIOMEDICAL APPLICATIONS
Jegan Athinarayanan | King Saud University | Saudi Arabia

ID 206
ASSESSMENT OF DIFFERENT DATE PALM BASED MIXES FOR SOILLESS CULTURE
Mohammad Ali | Jazan University | Saudi Arabia

ID 211
EFFECT OF ADDING DATE PALM POLLEN GRAINS ON THE NUTRITIONAL VALUE, SENSORY AND NATURAL (PHYSICAL) PROPERTIES OF CAKE
Faia Nabil Almuhaytib | King Faisal University | Saudi Arabia

ID 217
Antimicrobial Activity of Green Synthesized Silver Nanoparticles Using Waste Leaves of Hyphaene thebaica (Doum Palm)
Sana Mohammed | Imam Abdulrahman Bin Faisal University | Saudi Arabia

ID 218
Design of an Efficient, Cost-Effective Date Palm-Derived Biochar- Silk Fibers for Oil Spills Cleanup
Asma Alqahtani | Imam Abdulrahman Bin Faisal University | Saudi Arabia

ID 219
Enhancing Arid Agriculture with Palm Byproducts and other polysaccharides: Sustainable Solutions and Innovations
Mohamed Hamid Salim | Khalifa University | United Arab Emirates

ID 221
Stabilization of Sunflower Oil During Accelerated Storage: Use of Date Palm Leaves Extract as a Potential Alternative to Synthetic Antioxidants
Norah Bin Jibrin | Qassim University | Saudi Arabia

ID 222
Producing Biochar from Date Palm Tree Residues and its Economic Uses in Agriculture
Hesham Ghazzawy | Date Palm Research Center of Excellence, King Faisal University | Saudi Arabia