ByPalma 2021 | Watch-On-Demand Catalog

Day 1

OPENING SESSION

Mohammad Jawaid – Conference Chairman, Universiti Putra Malaysia, Malaysia
Hamed El-Mously, President of the International Association for Palm Byproducts (Co-organizer)
Khalina Abdan, Director of INTROP, Universiti Putra Malaysia, Malaysia (Co-organizer)
Nermine Abdelaty, COSIMENA – DAAD Egypt (Academic Partner)

KEYNOTE 1

OIL PALM TRUNK UTILIZATION – OPPORTUNITY FOR THE FUTURE
Arno Fruehwald
Hamburg University, Germany

	Room A | Wood Session A.1 | A Fruehwald	**Room B | Composite** Session B.1 | A Jumahat	**Room C | Biotechnology** Session C.1 | N Rastogi
SPECIAL SESSION GERMAN MALAYSIAN OPT PROJECT	**ID 49** OPT – READY FOR INDUSTRIALIZATION: PRODUCTS & MARKETS, TECHNOLOGIES, MILL DESIGN AND ECONOMIC OUTCOME Stefan Moehringer, Germany	**ID 88** DATE PALM FIBER COMPOSITES: PROCESSING, PROPERTIES AND APPLICATIONS Mohamad Midani, Egypt	**ID 39** LARGE SCALE BIO-SUCCINIC ACID PRODUCTION FROM INORGANIC SALTS PRETREATED OIL PALM EMPTY FRUIT BUNCH USING ACTINOBACILLUS SUCCINOGENES Nur Amirah Khairina Binti Khairil Anwar, Malaysia
	ID 116 IOI PALMWOOD – THE COMMERCIALISATION OF A SUSTAINABLE AND CIRCULAR BUSINESS MODEL Peter Fitch, Malaysia	**ID 79** COMPARATIVE STUDY OF DATE PALM MIDRIB AND SPADIX FIBERS WITH OTHER LEAF FIBERS AND THEIR COMPOSITES Lobna A. Elseify, Egypt	**ID 71** CHARACTERISTICS OF LIQUEFIED ADHESIVE MADE OF OIL-PALM STEM AND THEIR APPLICATION FOR PARTICLEBOARD'S BINDING Arif Nuryawan, Indonesia
	ID 16 PROPERTIES OF OIL PALM WOOD RELEVANT FOR MATERIAL USE Katja Fruehwald-Koenig, Germany	**ID 87** DATE PALM SURFACE FIBERS AS A GREEN THERMAL INSULATOR Basim Abu-Jdayil, United Arab Emirates	**ID 40** THE INDUSTRIAL APPLICATIONS OF DATE PALM TREE SECONDARY METABOLITES AND TISSUE CULTURE TECHNOLOGY Maiada El-dawayati, Egypt
	ID 28 FROM SAWN TIMBER TO ENGINEERED WOOD PRODUCTS FROM OIL PALM WOOD Andreas Kisselbach, Germany	**ID 38** NEW SYNTHESIS ROUTES TOWARD ENHANCED INTERFACIAL BONDING IN BIO-COMPOSITES Khalid Alzebdeh, Oman	**ID 48** EFFECT OF SALICYLIC ACID ELICITOR ON SOME SECONDARY METABOLITES PRODUCTION FROM CALLUS DATE PALM IN VITRO Zeinab Zayed, Egypt
	ID 60 GLUING OIL PALM WOOD FOR COMPOSITES Hartmut Henneken, Germany	**ID 14** CHEMICAL COMPOSITION AND CHARACTERIZATION OF DATE PALM EMPTY FRUIT BUNCH FIBER OF FIVE VARIETIES GROWING IN SOUTHEAST ALGERIA Ferdous Cherifi, Algeria	**ID 114** ACTIVATED CARBON FROM DATE PALM RACHIS FOR CONTINUOUS COLUMN ADSORPTION OF O-CRESOL Younes Moussaoui, Tunisia

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KEYNOTE 2

MORPHOLOGICAL CHARACTERISATION AND PROPERTIES OF LEAF SHEATH DATE PALM FIBRE BIOMASS WASTE REINFORCED BIOCOMPOSITES POTENTIAL FOR LIGHTWEIGHT STRUCTURAL APPLICATIONS

Hom Dhakal

University of Portsmouth, UK

	Room A | Wood Session A.2 | K Fruehwald-Koenig	**Room B | Composite** Session B.2 | H Dhakal	**Room C | Biotechnology** Session C.2 | J Rabenhorst
SPECIAL SESSION GERMAN MALAYSIAN OPT PROJECT	**ID 21** GLT FROM OIL PALM WOOD – BUILD-UP, PRODUCTION AND ELASTOMECHANICAL PROPERTIES Lena Heister, Germany	**ID 96** INVESTIGATING THE AGING OF NITRILE RUBBER REINFORCED WITH DATE PALM FIBER Noor Alghamdi, Saudi Arabia	**ID 29** DATE PALM PIT POLYPHENOLS LOADED GUM ARABIC MICROPARTICLES: INFLUENCE OF EGG YOLK PROTEINS ON THE PHYSICAL PROPERTIES Chiraz Ben Sassi, Tunisia
	ID 65 COLLAPSE OF OIL PALM WOOD UNDER SEVERE AND MILD DRYING CONDITIONS Peeraya Settapong, Thailand	**ID 02** MECHANICAL PROPERTIES OF DATE PALM BUNCH FIBERS AND PLASTER REINFORCED WITH ITS FIBERS IN HOT-DRY CLIMATE Fatma Zohra Hassani, Algeria	**ID 69** NOVEL PHOTOCATALYST BASED ON DATE PALM FIBERS FOR EFFICIENT DYES REMOVAL Hanane Chakhtouna, Morocco
	ID 23 MECHANICAL DEWATERING OF WET OIL PALM LUMBER PRIOR TO PRESS-DRYING Nathan Kölli, Germany	**ID 18** THE EFFECT OF PROCESSING PARAMETERS ON THE PHYSICAL AND MECHANICAL PROPERTIES OF DATE PALM FIBRE REINFORCED COMPOSITE Said Awad, UK	**ID 24** ENZYMATIC DIGESTION OF OIL PALM TRUNKS TO CULTIVATION MEDIUM FOR LACTOBACILLI Jürgen Rabenhorst, Germany
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	ID 12 OIL PALM TRUNK PLYWOOD – 15 YEARS' EXPERIENCE Loh Yueh Feng, Malaysia	**ID 46** IMPROVEMENT OF THE HYDROPHOBIC AND MECHANICAL PROPERTIES OF EPOXY HYBRID-COMPOSITES BASED ON PALM FELT BY THE USE OF FUNCTIONALIZED GRAPHENE OXIDE Marya Raji, Morocco	**ID 22** BIOTECHNOLOGICAL POTENTIAL OF PRESSED OIL PALM TRUNK SAP Rabea Dirkes, Germany
	ID 25 ENVIRONMENTAL ASPECTS OF OPT-UTILIZATION FOR PRODUCTS AND ENERGY Arno Fruehwald, Germany	**ID 90** THE USE OF FRONDS WASTE AS BIOMASS IN SAUDI ARABIA, MEDINA REGION CASE STUDY Ghassan Mousa, Saudi Arabia	**ID 97** BIOREFINERY CONCEPT OF FIBER EXTRACTION AND BIOGAS PRODUCTION USING COMMON DATE CULTIVAR BIOMASS (PHOENIX DACTYLIFERA L.) Nesrine Ben Yahmed, Tunisia

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KEYNOTE 3
SUGAR PALM: FIBERS, BIOPOLYMERS, BIOCOMPOSITES AND OTHER BY-PRODUCTS
Sapuan Salit
Universiti Putra Malaysia, Malaysia

KEYNOTE 4
ENGINEERING AT MICRO AND NANOSCALE: A STRATEGY FOR DEVELOPING HIGH PERFORMANCE FUNCTIONAL MATERIALS FROM COIR FIBER
Sabu Thomas
Mahatma Gandhi University, Kottayam, India

	Room A | SATREPS OPT Session A.3 | K Sudesh Kumar	**Room B | Composite** Session B.3 | S Salit	**Room C | Posters** Session C.3 | R Khiari
SPECIAL SESSION SATREPS OPT PROJECT	**SATREPS OPT SESSION OPENING** K. Sudesh Kumar, Malaysia	**ID 59** INFLUENCE OF SEA WATER TREATMENT ON MECHANICAL AND DYNAMIC MECHANICAL PROPERTIES OF THE FLAX AND SUGAR PALM FIBRE BASED HYBRID COMPOSITES M. Chandrasekar, India	**ID 32** MECHANICAL AND MORPHOLOGICAL PROPERTIES OF DATE PALM TWIGS / HIGH-DENSITY POLYETHYLENE BIOCOMPOSITE: EFFECT OF FIBERS CONTENT AND TREATMENTS Amina Hachaichi, Algeria
	ID 51 FUTURE PROSPECTS FOR OIL PALM BIOMASS UTILIZATION LED BY SATREPS OPT PROJECT Akihiko Kosugi, Japan	**ID 100** EFFECT OF NANOSILICA MODIFIED EPOXY ON TENSILE PROPERTIES OF ARENGA PINNATA POLYMER COMPOSITE M.F.S. Khalid, Malaysia	**ID 70** BIOCHAR COMPOSITE DERIVED FROM DATE PALM FIBERS FOR POLLUTANTS REMOVAL FROM WASTEWATER Hanane Chakhtouna, Morocco
	ID 50 PROCESS DEVELOPMENT FOR IHI OPT & EFB FUEL PELLET PRODUCTION Masaharu Yamashita, Japan	**ID 102** FAILURE EVALUATION OF ARENGA PINNATA/NANOSILICA EPOXY COMPOSITE LAMINATE UNDER UNIAXIAL TENSION AND COMPRESSION USING ANSYS J.M. Said, Malaysia	**ID 72** UTILIZATION OF OIL-PALM LEAVES FOR MAKING INNOVATIVE PRODUCTS Arif Nuryawan, Indonesia
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KEYNOTE 5
DIVERSIFIED VALUE-ADDED PRODUCTS FROM COCONUT RESIDUE
Navin Rastogi
Central Food Technological Research Institute, India

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	ID 56 SUSTAINABILITY CONSIDERATIONS IN PRODUCING CHEMICAL CELLULOSE FROM THE VASCULAR BUNDLE OF OIL PALM TRUNK (OPT) Leh Cheu Peng, Malaysia	**ID 112** MODELLING AND SIMULATION OF QUASISTATIC INDENTATION AND IMPACT RESISTANCE OF ARENGA PINNATA/NANOSILICA EPOXY COMPOSITE Ilya Izyan Shahrul Azhar, Malaysia	**ID 75** SYNERGISM OF SILAGE PRODUCTION WITH PROBIOTIC REINFORCEMENT OF RECYCLED L. LACTIS IO-1 FROM LACTIC ACID FERMENTATION USING SAGO FROND Muhammad Norhelmi Ahmad, Malaysia
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		ID 101 NON-DESTRUCTIVE TEST (NDT) APPROACH FOR EVALUATING HIGH STRENGTH CONCRETE INCOPORATING WITH PALM OIL FUEL ASH (POFA) M.S. Muhd Norhasri, Malaysia	**ID 10** SCALING-UP PRODUCTION OF MICROFILTERED COCONUT WATER WITH PROBIOTIC (LACTOBACILLUS PARACASEI SUBSP. PARACASEI STRAIN CRL431®) Fabrice Vaillant, Colombia

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KEYNOTE 6
A BIOREFINARY FOR EACH BYPRODUCT: AN APPROACH TO MAXIMIZE THE ADDED VALUE FROM THE DATE PALM BYPRODUCTS
Hamed El-Mously
International Association for Palm Byproducts, Egypt

KEYNOTE 7
RECENT ADVANCES ON THE SURFACE FUNCTIONALISATION OF LIGNOCELLULOSICS: FUNDAMENTALS, TECHNIQUES OF CHARACTERISATION & APPLICATIONS
Naceur Belgacem
Grenoble INP-Pagora Engineering School, France

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Closing Cermony