

1. *Elaeis* - ISSN 0128 - 1828

Vol. 1 No. 1

June 1989. 91 pages

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Genetic Resources – New Developments in Oil Palm Breeding
- Significance of the Black Line within Oil Palm Tissue Decayed by *Ganoderma boninense*
- The Production of Superior Lines and Second Cycle Hybrids by In-breeding and Selection
- Oleochemicals from Palm Oil and Palm Kernel Oil
- Identification of Volatile Compounds that Contribute to the Fresh Palm Oil Around and Oxidized Palm Oil
- Antioxidant Activities for Palm Vitamin E with Special Reference to Tocotrienols
- Isolation and Identification of Wax Esters in Palm Oil Mill Final Effluent Discharge
- Palm Oil Abstracts
- Book Review
- News

Vol. 1 No. 2

December 1989. 50 pages

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Studies on the Utilization of Palm Oil Wastes as the Substrates for Butanol Fermentation
- Comparison of Palm Kernel SFC Measurements at 30°C by Wideline and Pulse NMR
- Biology and Performance of Surinam *Elaeis oleifera*
- Research Strategies and Advances in Oil Palm Cell and Tissue Culture
- Research Note – Seje: An Oil Rich Palm for Domestication
- Palm Oil Abstracts

Vol. 2 No. 1

June 1990. 54 pages

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Effect of Palm Stearin and Hydrogenated Palm Oil on the Polymorphic Stability of Hydrogenated Canola Oil
- Blends of Palm Oil Products and Anhydrous Milk Fat as Shortenings
- Supercritical Carbon Dioxide Extraction of Tocopherol from Palm Leaflets
- Taxonomic, Nomenclatural and Ethnobotanic Notes on *Elaeis*
- Palm Oil Abstracts

Vol. 2 No. 2

December 1990. 43 pages

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Hydrolytic Stability Test for Refined Palm Oil Products
- X-ray Diffraction Analysis of Products Obtained by Dry Fractionation of Palm Oil
- Observations on Open-Pollinated Seedlings of Abnormal Cloned Palms
- Palm Oil Abstracts

Vol. 3 No. 1

June 1991. 45 pages

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Histopathological Studies on Colonization of Oil Palm Root by *Ganoderma boninense*
- Imidazoline Amphoteric Surfactants from Palm and Palm Kernel Fatty Acids
- Use of Palm Oil and Butterfat as Shortenings for Short-dough Biscuits: Sensory and Instrumental Analysis
- Wideline Nuclear Magnetic Resonance for Measuring the Oil Content of Palm Mesocarp
- Adsorption of Palm Oil Monoglycerides Using Rice Husk Ash
- Palm Oil Abstracts

Vol. 3 No. 2

December 1991. 59 pages

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- A Non-destructive Quantitative Method for the Assessment of Infection of Oil Palms by *Fusarium oxysporum* f.s.p. *elaedis*
- Age-related Changes in Stomatal and Photosynthetic Characteristics of Leaves of Oil Palm (*Elaeis guineensis* Jacq.)
- Isoenzyme Analysis of Plantlets from Seven Clones of Oil Palm (*Elaeis guineensis* Jacq.)
- Field Evaluation of Insecticides and a Cultural Practice Against the Bunch Moth, *Tirathaba rufivena* (Lepidoptera: pyralidae) in a Mature Oil Palm Plantation
- Phospholipids and Glycolipids in the Oil from Some Varieties of *Elaeis guineensis* in India
- Quantitative Analysis of Carotenes in the Oil from Different Palm Species
- Palm Oil Abstracts

Vol. 4 No. 1

June 1992. 50 pages

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Making Value Added Products from Palm Oil by 1 – 3 Regio Selectivity Enzymatic Interesterification
- Construction of Recombinant Plasmids Harboring Single Copy Genomic DNA of Oil Palm in *Escherichia coli*
- A Note on the Inheritance of Albinism in Oil Palm
- Interaction of Cocoa Butter Equivalent Component Fats in Ternary Blends
- Surface Tensions of Palm Oil, Rainfall and Cycle on Oil Palm Yield in Malaysia
- Palm Oil Abstracts

Vol. 4 No. 2

December 1992. 58 pages

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Carbon Assimilation, Respiration and Productivity of Young Oil Palm (*Elaeis guineensis*)
- The Use of Epoxidized Palm Oil Products for the Synthesis of Radiation Curable Resins
- New Non-lauric Cocoa Butter Substitutes from Palm Oleins
- Maternal Inheritance of Kernel Size in Oil Palm, *Elaeis guineensis* Jacq.
- Identity Characteristics of Malaysian Palm Oil Products
- Determination of Flavour Stability of Blended Cooking Oils Made with Palm Oil and Rice Bran Oil
- Palm Oil Abstracts
- Book Review

Vol. 5 No. 1

June 1993. 58 pages

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- The Root System of the Oil Palm (*Elaeis guineensis* Jacq) 1: A Modified Soil Core Method for Root Study
- Correlations between Vegetative and Yield Characteristics and Photosynthetic Rate and Stomatal Conductance in the Oil Palm (*Elaeis guineensis* Jacq.)
- Index Selection Utilizing Plot and Family Information in Oil Palm
- Identity Characteristics of Malaysian Palm Oil Products: Fatty Acid and Triglyceride Composition and Solid Fat Content
- Effect of Some Additives on Resistance to Crystallization of Palm Olein
- Inter-firm Variance, Industry Structure and Public Policy: An Approach to Improving the Cost Competitiveness of the Palm Oil Milling Sector

Vol. 5 No. 2 #

December 1993.

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- The Root System of the Oil Palm (*Elaeis guineensis*, Jacq) II: Indirect Estimations of Root Length, Diameter and Surface Area
- Effect of Cocoa Butter on the Compatibility of Specialty Fats
- Pathogenicity of *Beauveria bassiana* (Balsamo) Against Oil Palm Bagworm (*Metisa plana* Wlk)
- Micronutrients in Peat: Preliminary Analysis by Different Extraction Methods
- Neutral Lipid Composition of Oil from Two Varieties of Oil Palm in India
- Effect of *Trans* Fatty Acids on Plasma Lipid and Lipoprotein Levels in Cynomolgus Monkeys
- Palm Oil Abstracts

Vol. 6 No. 1

June 1994.

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- A Laboratory Method for Inducing Sporophore Formation and Pathogenicity in *Ganoderma zonatum* Murill
- The Character of Indigenous Entomopathogenic Fungi Isolated from Insect Pests of Oil Palm
- Variation in Malaysia *Dura* x *Pisifera* Planting Materials. I. Bunch Yield
- Modification of Hydrogenated Canola Oil/Palm Stearin/Canola Oil Blends by Continuous Enzymatic Interesterification
- Physical Properties and Composition of Low *Trans* Canola/Palm Blends Modified by Continuous Enzymatic Interesterification
- Oleochemical Surfactants
- Today RBD Palm Olein in a Lamellar Liquid Crystalline Structure of Mixed Surfactants. 1. Optical Pattern and DSC Investigation
- An Econometric Analysis of the Indonesian Palm Oil Industry

Vol. 6 No. 2

December 1994.

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Genetic Control of Polymorphism for Kernel-to-Fruit Ratio in the Oil Palm (*Elaeis guineensis* Jacq.)
- Report on the Use of *Bacillus thuringiensis* in the Control of Some of Oil Palm Pests
- Common Spear Rot Crown Disease in Oil Palm (*Elaeis guineensis* Jacq.): Anatomy of the Affected Tissue
- A Study on the Nature of Oil Recovered from Spent Earth Obtained from the Physical Refining Process of Palm Oil
- Studies on the Use of Fractions from Palm Oil and Palm Kernel Oil as Suppository Base Materials
- Blood Plasma and Liver Lipids of Rats Fed Physically Refined and Re-refined Palm Oil
- Renewable Energy from the Palm Oil Industry

Vol. 7 No. 1

June 1995.

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Long-term *in vitro* Maintenance of Oil Palm (*Elaeis guineensis* Jacq.) Clones through Axenic Root Cultures
- Biochemical Studies on Abnormal Clones of the Oil Palm (*Elaeis guineensis*)
- Life History and Feeding Behaviour of the Oil Palm Bagworm, *Metisa plana* Walker (Lepidoptera: Psychidae)
- Colombia's National Tree: the Wax Palm *Ceroxylon quindiuense* and its Relatives
- Cloning Date Palm (*Phoenix dactylifera* L.) DNA and Characterization of Low, Medium and High Copy DNA Sequences
- Clarity and Chemical Composition of Palm Olein-Sunflower and Palm Olein-Safflower Oil Blends
- Evolution of Palm Oil Trade in Indonesia, 1978-1991
- Short Communication – Occurrence of Trunk Rot in Some *oleifera* Backcrosses
- Book Review: Le Palmier a huile *Elaeis guineensis* Jacq. Bibliography Analytique, Volume 3

Vol. 7 No. 2

December 1995.

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- The Influence of Low Temperature Treatment on Growth and Proline Accumulation in Polyembryogenic Cultures of Oil Palm (*Elaeis guineensis* Jacq.)
- Isolation and Identification of Bacteria Associated with *Elaeidobius kamerunicus* and Oil Palm Flowers
- Cytological Analysis of *Elaeis guineensis* (*tenera*) Chromosomes
- Preparation of Palm-based Esteramines Using Chemical Catalysts
- Preparation of Hard Butter from Palm and Sal 'Olein Mixture'
- Vegetable Oil in Aqueous and Nonaqueous Microemulsion Systems Stabilized by Nonionic Surfactants
- Densities and Refractive Indices of Hydrogenated Palm Olein and Fractionated Palm Oil
- Characterization of a By-product of Palm Oil Milling

SPECIAL ISSUE

November 1995.

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Biofuel: Technical, Economic and Environmental Impact
- Production and Evaluation of Palm Oil Methyl Ester as Diesel Substitute
- Integrated Production of Bio-diesel Esters and Glycerol: Top Grade Glycerol as Key Factor of Economical Success in the Bio-diesel Cycle
- Modern Serial Engines Operating with Natural Diesel Fuel 50-200 kW (60-270 b.h.p)
- Future Trends of Biofuel-engine with Elsbett Technology
- Diesel Engine Operation with Vegetable Oil – Alcohol Emulsion
- Vegetable Oil Engine
- Preparation of Palm Oil Ester-diesel Fuel Mix and its Performance Test on Stationery Engine
- The Use of Biofuel in Modern Diesel Engine
- Investigation of Palm Oil Diesel Emulsion as Fuel Observations of Using Palm Oil as Fuel for Cars Fitted with Elsbett Engine
- Biofuel: Impact on Environment
- Emission of Elsbett Engine Using Palm Oil as Fuel
- Exhaust Emissions and Engine Performance from the Use of Soya Methyl Esters Blended with ARB#2 Diesel in a 6V92TA MUI Engine

Vol. 8 No. 1

June 1996.

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Isolation and Amplification Baculovirus as a Biocontrol Agent for Bagworms and Nettle Caterpillars of Oil Palm
- Histopathology of *Metisa plana* (Lepidoptera: Psychidae) Infected with *Beauveria bassiana* (Deuteromycotina: Hyphomycetes)
- Refining of Red Palm Oil
- Fluorescence *in situ* Hybridization of rRNA Probe to *Elaeis guineensis* (*Tenera*) Chromosomes
- Isoenzyme Variation of Zairean Oil Palm (*Elaeis guineensis* Jacq.) Germplasm Collection

Vol. 8 No. 2

December 1996.

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- The Genetic Improvement of the Deli *Dura* Breeding Population of the Oil Palm *Elaeis guineensis* Jacq.
- Parasitoids and Predators of Insects Associated with Oil Palm (*Elaeis guineensis* Jacq.) in India
- Crystallisation Behaviour of Palm Oleins
- Variation of Dielectric Properties of Oil Palm Mesocarp with Moisture Content and Fruit Maturity at Microwave Frequencies
- Rapid Callus Proliferation, Somatic Embryogenesis and Organogenesis of Oil Palm (*Elaeis guineensis* Jacq.)
- Clarify of Single and Double Fractioned Palm Oleins

Vol. 9 No. 1

June 1997.

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Role and Effectiveness of *Elaeidobius kamerunicus*.
- *Thrips hawaiiensis* and *Pyroderces* sp. in Pollination of Mature Oil Palm in Peninsular Malaysia
- Effect of First Stage Dry Fractionation on the Quality of CDE Based on Palm Oil and Sal Fat
- Determination of Antioxidants in Palm Oil Products by High Performance Liquid Chromatography
- A Local *Bacillus thuringiensis*, SRBTI with Potential for Controlling *Metisa plana* (Wlk)
- Stability of Emulsions of Refined Palm Oil and its Low Melting Point Fraction with Egg Phospholipids

Vol. 9 No. 2

December 1997.

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Identification of Palm Oil and its Fractions by HPLC Using Triacylglycerol Peak-area Ratios
- Synthesis and Characterization of the Monoethanolamide from Palm Oil
- Analysis of Oil Palm Productivity. I. The Estimation of Seasonal Trends in Bunch Dry Matter Production
- Analysis of Oil Palm Productivity. II. Biomass, Distribution, Productivity and Turnover of the Root System
- Proline Accumation in the Leaves of Water Stressed Oil Palm (*Elaeis guineensis* Jacq.) Seedling
- Preparation of Biodegradable and Vegetable Based Surfactant from Sugar and Palm Fatty Acid Catalyzed by *Mucor miehei* Lipase

SPECIAL ISSUE

July 1997.

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Biotransformation of Oils and Fats: A Review
- Biodegradation of Surfactants in the Environment: A Review
- Biosurfactants – A Review

JOPR Journal of Oil Palm Research (formerly known as Elaeis)
ISSN 1511 – 2780

Vol. 10 No. 1

June 1998.

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Hydroxystearic Compounds from Unsaturated Palm Fatty Acids
- Palm-based Sulphonated Methyl Esters and Soap
- Analysis of Oil Palm Productivity. III. Seasonal Variation in Assimilate Requirements, Assimilation Capacity, Assimilate Storage and Apparent Photosynthetic Conversion Efficiency
- Incidence of Potyvirus Disease in Oil Palm Nursery Seedlings
- Notes on Oil Palm Productivity. I. Productivity at Two Contrasting Site
- Cytological Analysis of *Elaeis guineensis* and *Elaeis oleifera* Chromosomes
- Techniques for Sampling Oil Palm Roots, I. Motorised Root Sampler
- Index for Elaeis, Volume 1-9

Vol. 10 No. 2

September 1998.

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Notes on Oil Palm Productivity. II. An Empirical Model of Canopy Photosynthesis Based on Radiation and Atmospheric Vapour Pressure Deficit
- Notes on Oil Palm Productivity. III. The Use of Sap Flux Probes to Monitor Palm Responses to Environmental Conditions
- Stages in the Vegetables Propagation of Oil Palm *Elaeis guineensis* Jacq. Through Tissue Culture
- Techniques for Studying Oil Palm Roots. II. Auger for Peat Soils
- The Effect of Palm-based Surfactant as Spray Adjuvants in Glyphosate Isopropylamine (IPA)
- Force and Energy Requirements for Cutting Oil Palm Frond
- Index for Elaeis, Volumes 1 to 9

Vol. 11 No. 1

June 1999

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Physical and Chemical Properties of Shortenings from Palm Oil: Tallow and Palm Olein: Tallow Blends with and without Interesterification
- An Accurate and Precise Method of Determination Oil to Bunch in Oil Palm
- Quantification of Oil Palm Biomass and Nutrient Value in a Mature Plantation. I. Above-ground Biomass
- Notes on Oil Palm Productivity. IV. Carbon Dioxides Gradients and Fluxes and Evapotranspiration, Above and Below the Canopy.
- Mono- and Dibasic Acids from Liquid Phase Oxidation of Palm Oil Products
- Notes on Oil Palm Productivity. V. Evaluation of Alternative Mechanisms for Supporting Seasonal Variation in Dry Matter Production
- Oxidation and Thermal Degradation of Carotenoids
- Effects of Weather on Yield Components of the Oil Palm in a Forest Location in Nigeria

SPECIAL ISSUE

October 1999

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Characterization and Regulation of the Oil Palm (*Elaeis guineensis*) Stearoyl-ACP Desaturates Genes
- Partial Nucleotide Sequence of an Oleosin cDNA from *Elaeis guineensis* Jacq.
- Biochemical Factors that Control Oil Composition in the Oil Palm
- Regulation of Triacylglycerol Synthesis in the Oil Palm (*Elaeis guineensis*) and Olive (*Olea europaea*) Callus Cultures
- Protein Analysis of Shoot Apical Meristem of Oil Palm during Transition from Vegetative Meristem to an Inflorescence Meristem
- Glycerol-3-Phosphate Acyltransferase Reactions and Edible Oil Synthesis in Oil Palm (*Elaeis guineensis*) Tissue
- Analysis of the Inheritance of AFLP Markers in an Interspecific Cross of Oil Palm Using the Pseudo-testcross Strategy
- Application of Genomic *In situ* Hybridization (GISH) on *Elaeis* Hybrids
- Isolation of a cDNA Encoding an Acyl-acyl Carrier Protein Thioesterase from the Mesocarp of Oil Palm (*Elaeis guineensis*)
- Isolation and Sequencing of cDNA Clones Coding for Oil Palm (*Elaeis guineensis*) Acyl Carrier protein (ACP)

Vol. 11 No. 2

December 1999

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Agronomic Performance and Genetic Variability for *Dura x Pisifera* Progenies
- Impact of *Metarhizium anisopliae* (Deuteromycotina: Hyphomycetes) Applied by Wet and Dried Inoculum on Oil Palm Rhinoceros, *Oryctes rhinoceros* (Coleoptera: Scarabaeidae)
- Effect of Glucose Concentration on the Formation of Terminal Inflorescences and Rigid Shoots in Oil Palm Cultures
- Interactions between Malaysian and Indonesian Palm Oil Industries: Simulating the Impact of Liberalization of Imports of CPO from Indonesia
- Method for the Determination of Paraquat Residue in Oil Matrix
- Quantification of Oil Palm Biomass and Nutrient Value in a Mature Plantation. II. Below-ground Biomass
- Mineralization of Soil Organic Carbon and Nitrogen in Relation to Residue Management Following Replanting of an Oil Palm Plantation
- Determination of Chlorpyrifos in Refined Palm Olein by GC-FPD and GC-ECD
- The Oil Palm Trunk as a Carbohydrate Reserve
- Reaction Force and Energy Requirement for Cutting Oil Palm Fronds by Spring Powered Sickle Cutter

Vol. 12 No. 1

June 2000. 134 pages

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Differential Scanning Thermograms of Palm Oil Triglycerides in the Presence of Diglycerides
- Studies towards Understanding Proline Accumulation in Oil Palm (*Elaeis guineensis* Jacq.) Polyembrogenic Cultures
- Valuable Minor Constituents of Commercial Red Palm Olein: Carotenoids, Vitamin E, Ubiquinones and Sterol
- Soil Nutrient Dynamics and Palm Growth Performance in Relation to Residues Management Practices Replanting of Oil Palm Plantations
- Decomposition Processes and Nutrient Release Patterns of Oil Palm Residues
- Preparation and Characterization of Adsorbent from Oil Palm Fruit Solid Wastes
- Performance of *Elaeis oleifera* from Panama, Costa Rica, Colombia and Honduras in Malaysia
- Synthesis and Characterization of Ester from Dihydroxystearic Acid
- Oil Palm Shell as a Source of Phenol
- Gel Permeation Chromatographic Clean-up of Organophosphorus Pesticide in Oil Matrix
- Fatty Acyl Substituent Induced Changes in ^{13}C -Chemical Shifts of Carbonyl Carbons: A Tool for Structural Elucidation in Acetylated Glucose Esters of Palm Fatty Acid
- Surface Active Properties of Palm Oil with Respect to the Processing of Palm Oil
- Properties of Biosurfactant Enzymatically Prepared from Fructose and Palm Fatty Acid
- Modelling the Effects of 'Haze' on Oil Palm Productivity and Yield

Vol. 12 No. 2

December 2000. 72 pages

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Compositional and Differential Scanning Calorimetry (DSC) Studies of Crystals of Palm Olein
- Synthesis and Characterization of Acetylated Glucose Esters from Palm and Palm Kernels Oils Fatty Methyl Ester
- Physico-chemical Properties of Binary Systems of Alpha-sulphonated Methyl Ester Derived from Palm Stearin and Nonionic Surfactants
- Nutrient Cycling in an Oil Palm Plantation: The Effects of Residue Management Practices during Replanting on Dry Matter and Nutrient Uptake of Young Palms
- Optical Properties for Mechanical Harvesting of Oil Palm FFB
- Identification of Flower Specific Proteins in the Oil Palm (*Elaeis guineensis*) by Two-dimensional Gel Electrophoresis
- Decomposition and N and K Release by Oil Palm Empty Fruits Bunches Applied Under Mature Palms
- Studies on Factors Affecting the Colour Stability of Some Commercial Palm Fatty Acids

Vol. 13 No. 1

June 2001. 96 pages

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Effects of Metsulfuron-methyl on ALS Activity and its Metabolism in Immature Oil Palm
- Genotype x Environment Interaction and Stability Analysis in Oil Palm (*Elaeis guineensis* Jacq.) Progenies Over Six Location
- Effects of *Azospirillum* Inoculation on N₂ Fixation and Growth of Oil Palm Plantlets at Nursery Stage
- Selectivity and Kinetics of Interesterification Reaction of Glucose Pentaacetate with Fatty Acid Methyl Esters
- Physical Mapping of rRNA Genes on *Elaeis* Chromosome
- Factor Affecting Development of *Oryctes rhinoceros* in Some Substrates Commonly Found in the Oil Palm Environment
- Surface Tension, Foaming and Detergency Properties of Mixed Alpha-sulphonated Methyl Esters Derived from Palm Stearin with Some Commercial Surfactants
- Response of Oil Palm Progenies to Different Fertilizer Rates

Vol. 13 No. 2

December 2001. 46 pages

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Characterization of Glycerol Residue Generated from a Palm Kernel Oil Methyl Ester Plant
- Effects of Additives on Palm-based Polyurethane Foams
- Crude Glycerine Recovered from Glycerol Residue Generated by a Palm Kernel Oil Methyl Plant
- Geometrical Isomers of the Provitamins A Palm Carotenes, α - and β -carotenes in the Mesocarp Oil of Fresh and Sterilized Palm Fruits, Crude Palm Oil and Palm Carotene-based Products: Red Palm Olein and Carotene Concentrates
- Properties of Sodium Soap Derived from Palm-based Dihydroxystearic Acid
- Refining of Crude Glycerine Recovered from Glycerol Residue by Simple Vacuum Distillation
- Short Communication

Vol. 14 No. 1

June 2002. 50 pages

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Fatty Acid Composition of Edible Oils in the Malaysian Market, with Special Reference to the *Trans*-fatty Acids
- Preparation of Cellulose from Oil Palm Empty Fruit Bunches Via Ethanol Digestion: Effects of Acid and Alkali Catalyst
- Performance and Heritability Estimations on Oil Palm Progenies Tested in Different Environments
- Chemicals Composition of Oil Droplets from Palm Oil Mill Sludge
- Microstructure of Medium Density Fibreboard from Oil Palm Empty Fruit Bunch Fibre
- The Effect of Disalt on the Biodegradability of Methyl Ester Sulphonates (MES)

Vol. 14 No. 2

December 2002. 54 pages

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- The Effects Oil Palm Empty Bunches on Oil Palm Nutrition and Yield, and Soil Chemical Properties
- Effects of Physical and Chemical Pre-treatment on Xylose and Glucose Production from Oil Palm Press Fibre
- Variability in Fatty Acid Composition, Iodine Value and Carotene Content in the MPOB Oil Palm Germplasm Collection from Angola
- Fruit Set and Oil Palm Bunch Components
- Properties of Medium Density Fibreboard from Oil Palm Empty Fruit Bunches Fibre

Vol. 15 No. 1

June 2003. 54 pages

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Recovery of Glycerol and Diglycerol from Glycerol Pitch
- Palm-Based Chiral Compounds
- Preliminary Attempts at the Construction of Large Insert DNA Libraries for Oil Palm (*Elaeis guineensis* Jacq.)
- Performances of Some *Pisiferas* of Binga, Ekona, Urt and Angolan Origins: Part 1- Breeding Background and Fruit Bunches Traits
- Design and Development of a Prototype Trailed Type Oil Palm Seedling Transplanter
- Preliminary Field and Cost Evaluation of a Prototype Oil Palm Seedling Transplanter

Vol. 15 No. 2

December 2003. 69 pages

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Physiological Analysis of an Oil Palm Density Trial on a Peat Soil
- Structural, Mechanical and Optical Properties of Recycled Paper Blended with Oil Palm Empty Fruit Bunch Pulp
- Preparation and Characterization of Trimethylolpropane Esters from Palm Kernel Oil Methyl Esters
- Development of Optimum Synthesis Method for Transesterification of Palm Oil Methyl Esters and Trimethylolpropane to Environmentally Acceptance Palm Oil-based Lubricant
- Formation of Microemulsions with Palm-based Oils Stabilized by a Non-ionic Surfactant
- Development of a Transient Promoter Assay System for Oil Palm

Vol. 16 No. 1

June 2004. 77 pages

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Evaluating Urea Fertilizer Formulations for Oil Palm Seedlings Using ^{15}N Isotope Dilution Technique
- Properties of Oil Palm Shell Based Wood Adhesives with Petroleum-based Wood Adhesives
- Environment Evaluations of Palm-based Methyl Ester Sulphonated
- Effect of Triethanolamine on the Properties of Palm-based Flexible Polyurethane Foams
- Water Use of Irrigated Oil Palm at Three Different Arid Locations in Peninsula India
- Study of Mineral Nutrient Losses from Oil Palm FFB During Temporary Storage
- Performance of Some *Pisifera* of Binga, Ekona, Urt and Angolan: Part II-Fruit Bunch Yields, Vegetative Growth and Physiological Traits
- The Oil Palm and its Sustainability

Vol. 16 No. 2

December 2004. 128 pages

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Transesterification of Palm Oil: Effect of Reaction Parameters
- Selection for Partial Resistance in Oil Palm Progenies to *Ganoderma* Basal Stem Rot
- Kinetics Study on Transesterification of Palm Oil
- Optimization of the Sweep Co-Distillation Clean-up Method for the Determination of Organochlorine Pesticide Residues in Palm Oil
- Synthesis of 2-Substituted 4(*R*)-Hydroxy-2-Cyclopenten-1-One, a Prostaglandin Intermediate with Methyl Oleate from Palm Oil
- Multiplication of Oil Palm Suspension Cultures in a Bench-Top Bioreactor (2-litre)
- Immigration and Activity of *Oryctes rhinoceros* Within a Small Oil Palm Replanting Area
- Life Cycle of *Sycanus dichotomus* (Hemiptera: Pentatomidae) – A Common Predator of Bagworm in Oil Palm
- Degumming and Bleaching: Effect on Selected Constituents of Palm Oil
- The Effects of Oils on Germination of *Beauveria bassiana* (Balsamo) Vuillemin and its Infection against the Oil Palm Bagworm, *Metisa plana* (Walker)
- Seasonal Variation in Yield and Developmental Processes in an Oil Palm Density Trial on a Peat Soil: 1. Yield and Bunch Number Components
- Seasonal Variation in Yield and Developmental Processes in an Oil Palm Density Trial on a Peat Soil: 2. Bunch Weight Components
- Selecting the Ideal Oil Palm: What You See is Not Necessarily What You Get!

Vol. 17 No. 1

June 2005. 71 pages

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Studies to Improve the Low Temperature Performance of Palm Oil Products
- Enhancement of Cold Stability of Palm Oil Methyl Esters
- Stress Development and its Detection in Young Oil Palms in North Kedah, Malaysia
- Modelling Seasonal Variation in Oil Palm Bunch Production Using a Spreadsheet Programme
- A Study on Thermal Characteristics of Phase Change Material (PCM) in Gypsum Board for Building Application
- Environmental Factors Affecting the Population Density of *Oryctes rhinoceros* in a Zero-Burn Oil Palm Replant
- Palm Diesel: An Option for Greenhouse Gas Mitigation in the Energy Sector
- Illegitimacy in Oil Palm Breeding – A Review
- Book Review – Land and Agriculture Policy: A Mismatch

Vol. 17 No. 2

December 2005. 107 pages.

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- The Influence of Climatic Conditions on Gas and Energy Exchanges Above a Young Oil Palm Stand in North Kedah, Malaysia
- Spectroscopic Identification of Geometrical Isomers of α - and β -Carotenes from Palm Oil
- Preliminary Study on Microbial Degradation of Flexible Polyurethane Foams- Physico-Mechanical and Weight Changes During Fungal Deterioration
- Polyploidy Induction of Oil Palm Through Colchicine and Oryzalin Treatments
- Best Developed Practices and Sustainable Development of the Oil Palm Industry
- DNA Fingerprinting of Oil Palm – Choice of Tissues
- A New System for Continuous Sterilization of Oil Palm Fresh Fruit Bunches
- A Comparison of the Deli Dumpy and Pobé Dwarf Short Stemmed Oil Palms and their Outcrossed Progenies
- Safety Evaluation for Dermal and Ocular Irritation of Palm Dihydroxystearic Acid as a Cosmetics Ingredient
- Application of Polyamines in Oil Palm (*Elaeis guineensis* Jacq.) Stops Advance of Bud Rot Disease
- Short Communication: Cytological Analysis of Oil Palm Pollen Mother Cells (PCMs)

JOPR Special Issue

April 2006. 179 pages.

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- The Need to Reduce National Greenhouse Gases Emissions: Oil Palm Industry's Role
- Characterization of Parameters for the Development of an Early Screening Test for Basal Stem Rot Tolerance in Oil Palm Progenies
- Research into the Commercialization of *Metarhizium anisopliae* (Hyphomycetes) for Biocontrol of Oil Palm Rhinoceros Beetle, *Oryctes rhinoceros* (Scarabaeidae)
- Functional Esters Derived from Fats and Oils
- Polymorphism of Anhydrous Milk Fat as Affected by the Addition of Palm Stearins
- HPLC-MS² Metabolite Profiling of Quercetin Methyl, Glucuronyl, Glucosyl and Sulpho-Conjugates in Plasma and Urine After the Ingestion of Onions by Humans Volunteers
- Evaluation of Storage Stability of Yellow Cake Made with Red Palm Fat
- Developments Toward the Application of DNA Chip Technology in Oil Palm Tissue Culture
- Changes of β -Carotene Content during Heating of Red Palm Olein
- Biocomposites from Oil Palm Resources
- An Investigation on the Mechanical Properties of Trunks of Palm Oil Trees for the Furniture Industry
- Ecological Observations on Diurnal Birds in Indonesia Oil Palm Plantations
- Continuous Sterilization: The New Paradigm for Modernizing Palm Oil Milling
- A Commercial Scale Implementation of RolekTM Palm Nut Cracker: Techno-Economic Viability Study for Production of Shell-Free Kernel
- Influence of Refining of Vegetable Oils on Minor Components

Vol. 18 No. 1

June 2006.

RM 30.00 (Malaysia only)

USD 15.00 (other countries)

Contents:

- Household Usage of and Recipe Creation with Condiment Sauces Based on Red Palm Oil: Exploring the Potential for Targeted Micronutrient Delivery to Different Family Members
- Identification of Lutein in Crude Palm Oil and Evaluation of Carotenoids at Various Ripening Stages of the Oil Palm Fruit
- Production of Moulded Palm-Based Flexible Polyurethane Foams
- Nutrient Demands of *Tenera* Oil Palm Planted on Inland Soil of Malaysia
- Thermochemical Behaviour of Empty Fruit Bunches and Oil Palm Shell Waste in a Circulating Fluidized-Bed Combustor (CFBC)
- DNA Extraction from Mature Oil Palm Leaves
- Assessment of Aquatic Effects of Palm-based Alpha-sulphonated Methyl Esters (SME)
- Alkanolamides from 9, 10-Dihydroxystearic Acid
- Viability of Using a One-Dimensional Lovibond Scale for Colour Measurement of Palm Oil and Palm Oil Products
- Recovery and Conversion of Palm Olein-Derived Used Frying Oil to Methyl Esters for Biodiesel