## MPOB REGULAR PUBLICATION

<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Annual Research Review</td>
</tr>
<tr>
<td>4</td>
<td>Journal of Oil Palm Research</td>
</tr>
<tr>
<td>11</td>
<td>Laporan Tahunan</td>
</tr>
<tr>
<td>12</td>
<td>Malaysian Oil Palm Statistics</td>
</tr>
<tr>
<td>13</td>
<td>MPOB Technology</td>
</tr>
<tr>
<td>16</td>
<td>Oil Palm Bulletin</td>
</tr>
<tr>
<td>19</td>
<td>Oil Palm Industry Economic Journal</td>
</tr>
<tr>
<td>22</td>
<td>Palmoil Update</td>
</tr>
<tr>
<td>23</td>
<td>Palm Oil Developments</td>
</tr>
<tr>
<td>26</td>
<td>Palm Oil Engineering Bulletin</td>
</tr>
<tr>
<td>32</td>
<td>Review of the Malaysian Oil Palm Industry</td>
</tr>
</tbody>
</table>

## PROCEEDINGS

## ADDITIONAL PUBLICATIONS
MPOB Regular Publication

ANNUAL RESEARCH REVIEW
(2005-2009) ISSN: 1511-9629

CONTENTS
- Foreword
- Section 1
  - Biology Division
  - Integration Research and Extension Division
  - Engineering and Processing Research Division
- Product Development and Advisory Services Division
- Economic and Industry Development Division
- Advanced Oleochemical Technology Division
- Section 2
  - Review Paper

RM 40.00/USD 20.00
Vol. 17, June 2005
70 pages

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 palm 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
• Palm diesel: An option for greenhouse gas mitigation in the energy sector
• Environmental factors affecting the population density of Oryctes rhinoceros in a zero-burn oil palm replant
• Illegitimacy in oil palm breeding – A review
• Book Review – Land and Agricultural Policy: A Mismatch

Vol. 17, December 2005
54 pages

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 – Choices of tissues
• A new system for continuous sterilisation of oil palm fresh fruit bunches
• A comparison of the Deli dumpy and Pobe dwarf short stemmed oil palm and their outcrosses 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 advances of bud rot disease
• Short Communication: Cytological analysis oil palm Pollen Mother Cells (PMCs)
Special Issue, April 2006
179 pages

CONTENTS
• The need to reduce national greenhouse gases emissions: Oil palm industry role
• Characterisation of parameters for the development of an early screening test for basal stem rot tolerance in oil palm progenies
• Research into the commercialisation of *Metarhizium anisopliae* (Hyphomycetes) for biocntrol of the Rhinoceros beetle, *Oryctes rhinoceros* (Scarabaeidae) in oil palm
• Functional esters derived from fats and oils
• Polymorphism of anhydrous milk fat as affected by the addition of palm stearin
• HPLC-MS2 metabolite profiling of quercetin methyl, glucuronyl, glucosyl and sulpho-conjugates in plasma and urine after the ingestion of onions by human volunteers
• Evaluation of storage stability of yellow cake made with red palm fat
• Developments towards 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 Indonesian oil palm plantations
• Continuous sterilisation: The new paradigm for modernising palm oil milling

A commercial scale implementation of *Rolek™ Palm Nut Cracker*: Techno-economic viability study for production of shell-free kernel
Influence of refining of vegetable oils on minor components

Vol. 18, June 2006
36 pages

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 soils 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
Vol. 18, December 2006
30 pages

CONTENTS
• Palm carotenoids profile as a quality control tool for palm carotene producers: Introducing an improvised method by HPLC-photodiode array and A C₃₀ column
• Oil palm empty fruit bunch-polypropylene composites: The effect maleated polypropylene on the mechanical properties
• Thermal properties of oil palm fibre, cellulose and its derivatives
• Autocatalytic hydrolysis and autoxidation of crude palm oil under various constant humidities
• Safety assessment of palm kernel oil, palm kernel stearin and palm kernel olein in marine environment
• Freeze-drying of oil palm (Elaeis guineensis) leaf and its effect on the quality of extractable DNA
• Scaled-up production and optimisation study on the esterification of palm-based fatty acid and triethanolamine

Vol. 19, December 2007
33 pages

CONTENTS
• Synergistic effect between sodium lauryl sulphate and sodium lauryl ether sulphate with alkyl polyglycoside
• The effect of PP/MAPP blends on EFB fibres for improving tensile and dimensional stability properties
• Characterisation of estolides from dihydroxystearic acid
• Adsorption isotherms for removal of iron, copper, phosphorus and oxidation products from crude palm oil using natural and acid-activated clays
• Short-term responses of oil palm to an interrupted dry season in North Kedah, Malaysia
• Optimisation of degumming with attapulgite and acid-activated clays in refining palm oil

Vol. 19, June 2007
34 pages

CONTENTS
• Potential of utilising Rhinoceros beetles (Oryctes rhinoceros) as an ornamental fish feed supplement
• Application of powder formulation of Metarhizium anisopliae to control Oryctes rhinoceros in rotting oil palm residues under leguminous cover crops
• Flanking AFLP markers for the virescens trait in oil palm
• Large scale production of octyl-9, 10-dihydroxystearate by immobilised lipase
• Predicting soil water status, evapotranspiration, growth and yield of young oil palm in a seasonally dry region of Malaysia
• Palm-based estolide as an ingredient in shampoo: A preliminary study
• Palm carotene concentrates from crude palm oil using vacuum liquid chromatography on silica gel
• Determination of benzo pyrene in vegetable oils
• Development of the MPOB Fast Transfer Technique (MoFaTT) system for maintenance and maturation of oil palm culture aggregates
• Field evaluation of palm-based emulsions in water (EW)-insecticide formulations against insect pests on long bean and cabbage

Special Issue, April 2008
51 pages

CONTENTS
• Application of spectroscopic methods for the automation of oil palm culture
• Isolation and characterisation of a putative serine/threonine kinase expressed during oil palm tissue culture
• Effect of agitation and aeration on yield optimisation of oil palm suspension culture
• Functional annotation of oil palm genes using an automated bioinformatics approach
• Multiplication of oil palm liquid cultures in bioreactors
• Identification of genes expressed in the embryoid tissue of oil palm (Elaeis guineensis Jacq.) tissue culture via expressed sequence tag analysis

Vol. 20, June 2008
34 pages

CONTENTS
• Application of flow cytometry for estimation of nuclear DNA content in Elaeis
• \( \text{CO}_2/\text{CH}_4 \) and \( \text{O}_2/\text{N}_2 \) kinetic selectivities of oil palm shell-based carbon molecular sieves

• Enzymatic synthesis and characterisation of palm-based kojic acid ester
• Efficacy of single and mixed treatments of Trichoderma harzianum as biocontrol agents of Ganoderma basal stem rot in oil palm
• Life cycle inventory of the production of crude palm oil - A gate to gate case study of 12 palm oil mills
• Factors affecting Green Fluorescence Protein (GFP) gene expression in oil palm after microprojectile bombardment
• Does the palm tocoptrienol-rich fraction induce irritant contact dermatitis?

Special Issue, July 2008
133 pages

CONTENTS
• Mesocarp-specific metallothionein-like gene promoter for genetic engineering of oil palm
• Isolations and high resolution microscopy of native bacterial polyhydroxybutyrate inclusions
• Light-harvesting chlorophyll A/B binding protein (LHCB) promoter for targeting specific expression in oil palm leaves
• Non-radioactive assay for Acetyl-CoA carboxylase activity
• Construction of PHB and PHBV transformation vectors for bioplastics production in oil palm
• Reagents for generation and analysis of bioplastic producing plants
• Quantitative analysis of flux control over lipid biosynthesis in oil palm (Elaeis guineensis) mesocarp
• Transformation of PHB and PHVB genes driven by maize ubiquitin promoter into oil palm for the production of biodegradable plastics
• Gene discovery via expressed sequence tags from the oil palm (Elaeis guineensis Jacq.) mesocarp
• Isolation and utilisation of Acetyl-CoA Carboxylase from oil palm (Elaeis guineensis) mesocarp
• Carotenoid profiles and preliminary investigation on carotenoid biosynthesis in the oil palm (Elaeis guineensis) mesocarp
• Activity studies, gene characterisation and manipulation of β-Ketothiolase of oil palm (Elaeis guineensis Jacq.) mesocarp

Special Issue, October 2008
158 pages

CONTENTS
• Palm vitamin E for aquaculture feeds
• Palm oil-based methyl ester sulphonate as an oil well stimulation agent
• Production of carotenoid and tocols concentrates from palm oil using supercritical carbon dioxide
• Biodiesel production from different feedstocks in pilot scale system
• Advanced carbon product from oil palm biomass
• Gamma tocotrienol and prostate cancer: The regulation of two independent pathways to potentiate cell growth inhibition and apoptosis
• Preparation of a low viscosity and light coloured fatty acid-based polyol
• Bio-based polyols of the flexible slabstock foam industry

• Variable density plantings for oil palms (Elaeis guineensis) in Peninsular Malaysia
• Palm oil tocotrienols as antioxidants and chemopreventive agents
• Planting material as key input for sustainable palm oil
• Effect of new palm oil mill processes on the EFB and POME utilisation
• Eco-friendly approaches to suitable palm oil production
• Process development with bifunctional chiral epoxides to access single enantiomers of pharmaceutical intermediates

Vol. 20, December 2008
30 pages

CONTENTS
• Antioxidative activity of Malaysian herb extracts in refined, bleached and deodorised palm olein
• Removal of endosulfan from water using oil palm shell activated carbon and rice husk ash
• Genetic variation among oil palm parent genotypes and their progenies based on microsatellite markers
• Synthesis of palmitic acid-based esters and their effect on the pour point of palm oil methyl esters
• Cantas™ - A tool for the efficient harvesting of oil palm fresh fruit bunches
• The effect of incorporating palm residues at replanting on phosphate dynamics in an inland soil in Malaysia
• Water-in-oil emulsion of palm biodiesel
Vol. 21, June 2009
33 pages

CONTENTS
• Laboratory - Scale pyrolysis of oil palm pressed fruit fibres
• Plant carotenoids: Molecular genetics and regulation
• Pathogenicity of granule formulations of *Metarhizium anisopliae* against the larvae of the oil palm Rhinoceros beetle, *Oryctes rhinoceros* (L.)
• Solid state characteristics of microcrystalline cellulose from oil palm empty fruit bunch fibre
• Concentration and isolation of individual vitamin E component in palm phytonutrients concentrate using high performance liquid chromatography with fluorescence detection
• Early detection of *Ganoderma* causing basal stem rot disease in coconut plantations
• Monoglycerides from 9,10-dihydroxystearic acid for the cosmetic industry

Vol. 21, December 2009
34 pages

CONTENTS
• Transformation of oil palm using *Agrobacterium tumefaciens*
• Optimisation of pyrolysis of oil palm empty fruit bunches
• RBD palm olein-based methyl/ethyl esters
• Effect of Bacillus Thuringiensis, Terakil-1® and Teracon-1® against oil palm pollinator, *Elaeidobius kamerunicus* and beneficial insects associated with *Cassia cobanensis*
• Optimisation of the epoxidation of methyl ester of palm fatty acid distillate
• Study on low temperature properties of palm oil methyl esters-petrodiesel blends
• Efficacy of entomopathogenic fungi, *Paecilomyces* spp., in controlling the oil palm bagworm, *Pteroma pendula* (Joannis)
• Effect of solvent pre-treatment on lignophenol production from oil palm empty fruit bunch fibres

Vol. 22, April 2010
27 pages

CONTENTS
• Nutrient absorption by oil palm primary roots as affected by empty fruit bunch application
• Downward movement of *Chlorpyrifos* in the soil of an oil palm plantation in Sepang, Selangor, Malaysia
• Effect of *Beauveria brongniartii* and *B. bassiana* on oil palm bagworm *Pteroma pendula* (Joannis)
• Optimisation of the polymerase chain reaction (PCR) method for the detection of *Oryctes rhinoceros* of virus
• Empty fruit bunch application and oil palm root proliferation
• Interactions of the bagworm, *Pteroma pendula* (Lepidoptera: Psychidae), and its natural enemies in an oil palm plantation in Perak

Vol. 22, August 2010
29 pages

CONTENTS
• Feature extraction from oil palm *in vitro* shoot images
Performance of palm-based emulsions in water (EW)-insecticide formulations against insect pests on chilli and brinjal

Genetic performance of 40 Deli dura x AVROS pisifera full-sib families

Growth effects by arbuscular mycorrhiza fungi on oil palm (Elaeis guineensis Jacq.) seedlings

Functional analysis of oil palm palmitoyl-ACP thioesterase (FatB) gene via down-regulation in a model plant: Arabidopsis thaliana

Somatic incompatibility and AFLP analysis of four species of Ganoderma isolated from oil palm

Phosphorus fractions in soil amended with empty fruit bunches and phosphate fertiliser – An incubation study

Applications of palm oil in animal nutrition

Testing of glyceryl monoesters for their anti-microbial susceptibility and their influence in emulsions

Cloning and in silico analysis of promoters of highly expressed genes in oil palm embryogenic cultures

Effects of N, P and K fertilisers on leaf trace element levels of oil palm in Sumatra

Life cycle assessment of oil palm seedling production (Part 1)

Life cycle assessment for oil palm fresh fruit bunch production from continued land use for oil palm planted on mineral soil (Part 2)

Life cycle assessment of the production of crude palm oil (Part 3)

Life cycle assessment of the production of crude palm kernel oil (Part 3a)

Life cycle assessment for the production and use of palm biodiesel (Part 5)

Vol. 23 April 2011
42 pages

Contents

Commercial-scale propagation and planting of elite oil palm clones: research and development towards realisation

Farmed fish as biological agents for extracting residual palm oil in discard spent bleaching clays from the palm oil refining industry

Formulation of trans-free and low saturated margarine

Physico-chemical properties of mixed anionic/cationic surfactant solution: Mixtures of sodium laurate methyl ester α-sulphonate and tetradecytrimethylammonium bromide

Demographic parameters and reproductive performance of the assassin bug Sycanus dichotomus Stal. fed on mealworm Tenebrio molitor L.

Vermicomposting of different types of oil palm fibre waste using Eudrilus Eugeniae: A comparative study

Development of a mechanisation selection system for oil palm plantations with alternative planting patterns

Regeneration and characterisation of spent bleaching clay

Deoiling efficiency for oil extraction from spent bleaching clay and the quality of recovered oil

Trap for the auto dissemination of Metarhizium anisopliae in the management of Rhinoceros beetle, Oryctes rhinoceros
CONTENTS

- Ahli Lembaga
- Carta Organisasi
- Fungsi
- Kenyataan Pengerusi
- Prestasi Kewangan, Pengurusan dan Pembangunan
- Penyelidikan Biologi
- Petunjuk Prestasi Penyelidikan Biologi
- Penyelidikan Integrasi dan Pengembangan
- Petunjuk Prestasi Penyelidikan Integrasi dan Pengembangan
- Penyelidikan dan Petunjuk Prestasi Kejuruteraan dan Pemprosesan
- Penyelidikan dan Petunjuk Prestasi Kemajuan Teknologi Oleokimia

- Penyelidikan Pembangunan Produk dan Khidmat Nasihat
- Petunjuk Prestasi Pembangunan Produk dan Khidmat Nasihat
- Ekonomi dan Pembangunan Industri
- Pelesenan dan Penguatkuasaan
- Teknologi Maklumat dan Khidmat Korporat
- Unit Pembangunan Insan dan Pengurusan Persidangan
- Penyata Akaun
- Kertas Persidangan, Penerbitan dan Laporan
- Senarai Anggota Pengurusan Tertinggi dan Pengurusan Profesional

RM 100.00/USD 60.00
CONTENTS

- Preface
- Section 1: Planted area and yield
- Section 2: Processing performance
- Section 3: Production and stock
- Section 4: Export
- Section 5: Prices
- Section 6: World Oils And Fats
- Section 7: Charts
- Abbreviations
MPOB TECHNOLOGY NO. 28
Modelling the Impact of Climatic and Climate-Related Factors on Oil Palm Growth and Productivity
October 2006
43 pages

CONTENTS
• Abstract
• Introduction
• Site options and climate data files
• Model response mechanism
• Model output: Some examples
• Sensitivity analysis
• General discussion and conclusions
• Acknowledgements
• References
• Appendices

MPOB TECHNOLOGY NO. 29
Modelling the Impact of Some Oil Palm Crop Management Options
November 2006
72 pages

CONTENTS
• Abstract
• Introduction
• Time of year of planting
• Planting density
• Under-planting
• Ablation
• Frond pruning and defoliation by pests
• Stand thinning and stand loss from disease
• Irrigation
• Palm age at replanting
• Conclusions
• Acknowledgements
• References
• Appendices
MPOB TECHNOLOGY NO. 30
Modelling Oil Palm Nutrient Demand, Nutrient Turnover and Nutrient Balance
November 2007
66 pages

CONTENTS
• Abstract
• Introduction
• Methodology and data sources
  - Tissue nutrient concentrations
  - Turnover of nutrients in palm biomass and ground vegetation
  - Environmental factors affecting nutrient supply
• Operation of the model
• Results of modelling
  - Nutrient demand
  - Nutrient turnover
  - Nutrients in old stand at clearing
  - Nutrient input in rainfall
  - Nutrient losses by leaching
  - Nutrient budgets
• Conclusions
• Acknowledgements
• References
• Appendices

MPOB TECHNOLOGY NO. 31
Modelling Carbon Sequestration and Greenhouse Gas Emissions Associated with Oil Palm Cultivation and Land-Use Change in Malaysia – A Re-evaluation and a Computer Model
May 2009
116 pages

CONTENTS
• Abstract
• Introduction
• Study definition
• Carbon sequestration in oil palm plantations
• Carbon sequestration in harvested products and by-products
• CO₂-Carbon emissions
• Non-CO₂ (trace) gas emissions
• Carbon emission offsets
• Carbon balance
• Other aspects
• Conclusions
• Acknowledgements
• References
• Appendices
MPOB TECHNOLOGY NO. 32
Oil Palm Mechanical Harvester –
A Technical Perspective
October 2010
25 pages

CONTENTS
- Introduction
- Methodology
- Machine description – Structural
- Drive and transmission system
- Design considerations
- The hydraulic system
- Prototype construction and field evaluation
- Results and discussion
- Conclusion and recommendations
- References

MPOB TECHNOLOGY NO. 33
2007 Survey on Quality Parameters and Properties of Palm and Palm Kernel Fatty Acid Distillates from Local Refineries
July 2010
19 pages

CONTENTS
- Abstract
- Introduction
- Background of survey
- Participating refineries
- Methodology
- Results and discussion
- Conclusion
No. 50, May 2005
41 pages

CONTENTS
- Oil palm - Achievements and potential
- Oil palm growth and yield as affected by densities, progenies and N fertiliser on Begawat soil: The preliminary results
- Oil palm planting in marginal soils: Selected cases
- Regulations on quality of FFB

No. 51, November 2005
37 pages

CONTENTS
- Potential application of marker assisted selection (MAS) in oil palm
- Carbon dioxide enrichment in oil palm canopies and its possible influence on photosynthesis
- Red palm olein as a source of β-carotene and colouring agent in cake
- Microbial degradation of flexible polyurethane foams by Aspergillus niger and Aspergillus terreus

No. 52, May 2006
70 pages

CONTENTS
- Measuring and modelling oil palm trunk growth
- Modelling vegetative dry matter production of oil palm
- Effect of empty fruit bunch application in oil palm on a bris soil
- Effect of chemical interesterification on the dropping point of palm oil, sunflower oil and palm kernel olein blends

No. 53, November 2006
50 pages

CONTENTS
- OPFLSIM3 - An improved oil palm seasonal flowering and yield simulation model
- Some results on the crystal growth rates of Tripalmitin and Tristearin in palm olein
- Analyses of control over oil palm (Elaeis guineensis) lipid biosynthesis pathway
- Biomarkers: Finding a niche in oil palm tissue culture. Part 1 - Laying the foundation
No. 54, May 2007
76 pages

CONTENTS
- Modelling the effects of physiological and morphological characters on oil palm growth and productivity
- Modelling oil palm yield based on source and sink
- Pesticide application in the oil palm plantation
- Biomarkers: Finding a niche in oil palm tissue culture. Part 2 - Targeting the transcriptome

No. 55, November 2007
41 pages

CONTENTS
- Biodiversity, agricultural development and valuation of ecosystem services
- Modelling oil palm bunch components, palm oil and kernel yields
- Improving the efficiency of oil palm tissue culture
- A review on seed dormancy and germination

No. 56, May 2008
42 pages

CONTENTS
- Techniques of soil and water conservation and nutrient recycling in oil palm plantations on inland soils
- Some observations on the effects of high water tables and flooding on oil palm, and a preliminary model of oil palm water balance and use in the presence of a high water table
- Availability and potential of biomass resources from the Malaysian palm oil industry for generating renewable energy
- Browning characteristics of palm-based mozzarella analogues

No. 57, November 2008
40 pages

CONTENTS
- Techniques for detecting adulteration in palm kernel oil
- Dry matter production and nutrient uptake by PS1 and DхP planting materials on typic endoaquepts soil in Sabah
- Informatics in agricultural planning, management and production
- Promoting innovation for sustainability in agriculture – The role of Malaysian legal framework
No. 58, May 2009
56 pages

CONTENTS
• Experiences in peat development for oil palm planting in the MPOB Research Station at Sessang, Sarawak
• Life cycle assessment - A tool for sustainability and business opportunity
• Prediction of solid fat content in a palm-based fluid shortening production by FTIR spectroscopy
• Bakery fats from palm oil products and soya bean oil for short crust pastry

No. 59, November 2009
28 pages

CONTENTS
• Determination of arsenic in palm glycerin using a graphite furnace atomic absorption spectrometer
• Characteristics and properties of fatty acid distillates from palm oil
• Palm emulsion in water (EW)-Cypermethrin insecticide against the Rhinoceros beetle, Oryctes rhinoceros in oil palm plantation
• Physical properties of red palm-based ice cream

No. 60, May 2010
40 pages

CONTENTS
• Impact of increases in fertiliser prices on long-term economic viability of palm oil production
• A review on the production of glycol from glycerol
• Biological nitrogen fixation by Mucuna bracteata under oil palm field environments
• Material Flow Cost Accounting (MFCA): A brief introduction

No. 61, November 2010
48 pages

CONTENTS
• Enhancing field mechanisation in oil palm management
• Alternative oil palm fertiliser sources and management
• NoveLin – a nutritious palm-based oil with cold stability
• Developments in edible oil modification for the production of trans-free food fats

No. 62, May 2011
45 pages

CONTENTS
• Implications of delayed replanting of old palms
• Pheromone trapping in controlling key insect pest: Progress and prospects
• Physiological plant stress and responses in oil palm
• Safety and efficacy of palm-based ingredients in cosmetic and personal care products
Vol. 5, No. 1, 2005
43 pages

CONTENTS
• The role of research and development strategies in food safety and good agricultural, manufacturing and distribution practices in the Malaysian palm oil industry
• Market potential and challenges for the Malaysian palm oil industry in facing competition from other vegetable oils
• Market evaluation of phosphate fertilisers from various sources for matured oil palm in Malaysia
• Palm oil derived esters - An environmentally safe drilling fluid

Vol. 5, No. 2, 2005
53 pages

CONTENTS
• Vision 2020 - The palm oil phenomenon
• Supply response of Malaysian palm oil producers: Impact of interest rate variations
• Environmental issues in an age of regional autonomy: The case of pollution in the plantation sector of North Sumatra
• Palm kernel cake marketing: Constraints and prospects
• Impact of commercialisation of biofuel on prices of related commodities

Vol. 6, No. 1, 2006
45 pages

CONTENTS
• Oil palm: The agricultural producer of food, fibre and fuel for global economy
• Oil palm in Indonesian socio-economic improvement - A review of options
• Competitiveness in global trade in edible oil: Emerging trends and pivotal drivers
• Production and price forecast for Malaysian palm oil

Vol. 6, No. 2, 2006
48 pages

CONTENTS
• The elasticity of foreign demand for Malaysian palm oil
• Indonesian oil palm competitiveness: PT Socfinindo as a private sector example
• Cosmetics and personal care products - Recent trends in the Asia Pacific markets
• Blending of palm biomass and coal: An alternative fuel for power generation in Malaysia
• Labour constraints in the plantation industry
### Vol. 7, No. 1, 2007
32 pages

**CONTENTS**
- Technological development and new growth areas of the oil palm industry
- Impact assessment of liberalising trade on Malaysian crude palm oil
- A study on the relationship between the futures and physical prices of palm oil
- Price volatility spill over in the Malaysian palm oil industry

### Vol. 7, No. 2, 2007
33 pages

**CONTENTS**
- Recent development in the world palm oil prices: An overview
- Simulation study on the availability of palm oil stock
- Impact of palm oil- Biodiesel demand palm oil price
- Feasibility study on the potential production of oil palm shell bio-phenol

### Vol. 8, No. 1, 2008
30 pages

**CONTENTS**
- Changing market trends in the oils and fats sector
- World biodiesel viability amidst high feedstock prices
- Price dynamics of Malaysian palm kernel expeller
- Malaysian palm oil supply chain: The role of the oil palm nursery operators

### Vol. 8, No. 2, 2008
38 pages

**CONTENTS**
- EU’s renewable energy directive: Possible implications on Malaysian palm oil trade
- Future competitiveness of the Malaysian PKE
- The Malaysian palm oil supply chain: The role of the independent smallholders
- Chemical weed control in the oil palm sector with particular reference to smallholders and nursery operators

### Vol. 9, No. 1, 2009
36 pages

**CONTENTS**
- Palm oil: Nature’s gift to Malaysia and Malaysia’s gift to the world
- Recent developments of Malaysian palm oil stock level
- Management of the Malaysian oil palm supply chain: The role of FFB dealers
- An overview of Malaysian palm oil market share in selected markets

### Vol. 9, No. 2, 2009
40 pages

**CONTENTS**
- Production cost of palm oil in Malaysia
- Networking and innovation in the Malaysian palm oil industry: Past, present and future
- The challenges facing palm oil in the 21st century
- The impact of petroleum prices on vegetable oils prices: Evidence from co-integration tests
Vol. 10, No. 1, 2010
42 pages

CONTENTS

• Lessons learned from sustaining remunerative palm oil prices – The Malaysian experience
• A study on the perceptions of the supervised fertiliser cluster (KBT) members in the KBT programme
• Effective exchange rate (EER) effects on exports of oil palm products to selected markets
• An analysis of Indonesia’s palm oil position in the world market: A two-stage demand approach

Vol. 10, No. 2, 2010
38 pages

CONTENTS

• India’s oils and fats policy: Production of oilseeds towards self-sustaining level
• New revenue opportunities arising from the waste streams of the oil palm industry
• Regional comparative advantage and competitiveness of Malaysian palm oil products
• Accelerated oil palm replanting: The way forward for a sustainable and competitive industry
CONTENTS

- Editorial
- Summary
- Production
  - Crude palm oil
  - Palm kernel
  - Palm kernel oil
  - Palm kernel cake
- Closing Stock
  - Palm oil
  - Palm kernel
  - Palm kernel oil
  - Palm kernel cake
- Export
  - Palm oil
- Palm kernel
- Palm kernel oil
- Palm kernel cake
- Import
- Price
  - Fresh fruit bunches
  - Crude palm oil
  - Palm kernel
  - Crude palm kernel oil
  - Processed palm oil
  - Futures market
- World Market Roundup
- New Brief
- Statistics Summary
**No. 42, June 2005**
46 pages

**CONTENTS**
- Biofuel: An alternative fuel in the Malaysian scenario
- Palm diesel: Green and renewable fuel from palm oil
- Supply and demand of biodiesel in the European Union (EU)
- Performance of palm oil-based biodiesel fuels in a single cylinder direct injection engine
- Replacement of Trans Fatty Acids (TFA): The use of palm oil as one of the alternate fats in the United States of America
- Palm biodiesel: Gearing towards Malaysian biodiesel standards
- Supply and disappearance: A review
- Prices prospects for selected oils and fats in 2005

**No. 44, June 2006**
33 pages

**CONTENTS**
- Meeting the rising health awareness: The palm oil formula
- Supply and disappearance of the Malaysian palm oil: A review
- Prices of selected oils and fats in 2004 and 2005

**No. 43, December 2005**
38 pages

**CONTENTS**
- Palm oil: The solution to over-used oil in South Africa
- Performance of special quality and standard palm olein in batch frying of fish nuggets
- Palm oil - The healthier choice for fast food industries
- An overview of R&D in palm oil-based polyols and polyurethanes in MPOB
- Non-food applications of palm-based products - Market opportunities and environmental benefits
- The potential for tocotrienols in inflammation
- The changing world of oleochemicals
- Innovations from MPOB on analytical techniques
- Effective use of palm products/by-products as fat energy in boiler feeding
No. 45, December 2006
33 pages

CONTENTS
• Investigation into the performance of emulsified liquid shortenings containing palm-based hard stocks
• Interesterified palm products for solid fat applications
• Watching what you eat - The trans fat stories
• Properties of palm oil margarine during storage: Effects of processing conditions
• Low-fat chocolate spread based on palm oil
• Fast prices of oils and fats and short term prospects for palm oil price

No. 46, June 2007
34 pages

CONTENTS
• Palm-based esterquats as an active ingredient in fabric softeners
• Physico-chemical characteristics of palm-based oil blends for ice cream
• Palm oil supply and disappearance: A review
• Tocotrienol levels in adipose tissue of benign and malignant breast lumps in patients in Malaysia
• Prices of selected oils and fats and prospects of palm oil price in 2007

No. 47, December 2007
19 pages

CONTENTS
• Utilisation of oil palm products in the formulation of cheese powder
• Quality of some fatty acids produced in Malaysia: An update
• The plumbing system in our body - Angiogenesis and cancer
• New evolution of palm-based standard reference materials

No. 48, June 2008
30 pages

CONTENTS
• OFTEC pilot plant and laboratory facilities
• Palm-based trans-free roll-in margarine
• Palm-based trans-free whipped topping as an alternative to dairy cream
• Significance of the sn-2 hypothesis
• Prices of selected oils and fats and the prospects of palm oil price in 2008

No. 49, December 2008
30 pages

CONTENTS
• A potential source of vitamin E extracted from palm oil for aquaculture feeds
• Special palm-based fat spread for bakery frozen dough
• Palm Oil Research and Technical Service Institute of the Malaysia Palm Oil Board (PORTSIM)
<table>
<thead>
<tr>
<th>Issue</th>
<th>Date</th>
<th>Pages</th>
<th>CONTENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 50</td>
<td>June 2009</td>
<td>33</td>
<td>• Utilisation of palm kernel cake (PKC) in aquaculture</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Prices of selected oils and fats in 2006 to 2008 and process of palm oil price in 2009</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• The environmental impact of palm oil and other vegetable oils</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Palm oil supply and disappearance: A review</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• An overview of the prices of selected oils and fats in 2009</td>
</tr>
<tr>
<td>No. 51</td>
<td>December 2009</td>
<td>36</td>
<td>• Value addition from crude palm oil – Integrated production of palm biodiesel, phytonutrients and other value-added products</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• From biowaste to bioproducts: Phenolic antioxidants from oil palm waste</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Palm phytonutrients: Opportunity beyond palm biodiesel</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Palm oil supply and disappearance: A review</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Palm oil: Rich in health promoting phytonutrients</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Prices of selected oils and fats and prospects of palm oil in 2009</td>
</tr>
<tr>
<td>No. 52</td>
<td>June 2010</td>
<td>36</td>
<td>• Palm oil market share in the US</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Impact of labelling on palm oil in the US market</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Comprehensive quantification of palm vitamin E by normal phase high performance liquid chromatography</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• An overview of the prices of selected oils and fats in 2010</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Carotech Berhad - Specialised in producing many palm-based nutraceutical products</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Dietary fats and inflammation: Some recent developments</td>
</tr>
<tr>
<td>No. 53</td>
<td>December 2010</td>
<td>18</td>
<td>• The life cycle approach for sustainable development of the oil palm industry</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Environmental performance of the production of crude palm kernel oil using the life cycle assessment approach</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Life cycle assessment of surfactants: A review</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• An overview of the prices of selected oils and fats in 2010</td>
</tr>
</tbody>
</table>
No. 74, Jan-Mar 2005
34 pages

CONTENTS
- Feature Articles
  - Draft proposals for developing good milling practices (GMP)
  - Reclamation welding technology - Part I: Wear factors
  - Mongana Basic: Part 3 - Sterilisation
- Titbits
- Datasheet
  - Datasheet for mill engineers: Check your boiler heat losses

No. 75, Apr-Jun 2005
48 pages

CONTENTS
- Feature Articles
  - Ushering the era of system dependency in the palm oil industry
  - Oil content in empty fruit bunch
  - Biofuel: an alternative fuel in the Malaysian scenario
  - Mongana Basic: Part 4 - Extraction process
- Milling Dialogue
- Titbits
- Datasheet
  - Conversion factors and formulas

No. 76, Jul-Sep 2005
44 pages

CONTENTS
- Feature Articles
  - Worldwide review of biodiesel production and studies on biodiesel production plants in Europe
  - The need for life cycle-based environmental initiatives in the Malaysian oil palm industry
  - Remote supervisory control and data acquisition system for palm diesel pilot plant
- Titbits
- Datasheet
  - PORAM standard specifications for processed palm oil
- New Product
  - A modern water level control system for palm oil mill boiler
No. 77, Oct-Dec 2005
43 pages

CONTENTS
• Feature Articles
  - Reclamation technology applied to the palm oil industry
  - Global development of palm biodiesel
  - Where we are?
  - Mongana Basic: Part 5 - Continuous screw press extraction
• Titbits
• Milling Dialogue
• Datasheet
  - Hardness conversion table
• Datasheet-Erratum
  - PORAM standard specification for processed palm oil

No. 78, Jan-Mar 2006
35 pages

CONTENTS
• Feature Articles
  - POME biogas capture, upgrading and utilisation
  - Welding technology for good milling practice
• Titbits
• Datasheet
  - Fatty acid composition of some common edible oils and fats
  - Fatty acid composition of palm oil, kernel oil and coconut oil ( % of total fatty acids)

No. 79, Apr-Jun 2006
45 pages

CONTENTS
• Feature Articles
  - Clarification tank simulation
  - Implementation of the grid-connected biomass residues fired cogeneration plant in ASEAN
  - Mongana Basic: Part 6 - Factors affecting nut breakage in press cake
• Datasheet
  - Schematic diagram of a basic steam cycle

No. 80, Jul-Sep 2006
47 pages

CONTENTS
• Feature Articles
  - Automated non-chemical water treatment for boiler
  - Status and developments of palm oil mill technology
• Palm News
• Datasheet
  - Year of planting and oil content
No. 81, Oct-Dec 2006
53 pages

CONTENTS
• Feature Articles
  - Malaysian Clean Development Mechanism (CDM) projects
  - Innovative engineering technology
  - An introduction to Jatropha curcas
  - Breakdown voltage and dielectric loss factor of crude palm oil (CPO)
  - Mongana Basic: Part 7 – Extraction by non-continuous press
• Titbits
• Datasheet
  - Fuel characteristics of methyl ester and diesel oil

No. 82, Jan-Mar 2007
40 pages

CONTENTS
• Feature Articles
  - Pre-cleaner system – operational and performance in the palm oil mill
  - Is kernel recovery getting second class treatment?
• Titbits
• Datasheet
  - Useful conversion factors

No. 83, Apr-Jun 2007
41 pages

CONTENTS
• Feature Articles
  - Dialogue session with the palm oil industry and stakeholders
  - Those little dirty things called dust
• Titbits
• Datasheet

No. 84, Jul-Sep 2007
56 pages

CONTENTS
• Feature Articles
  - Welding technology for good milling practice
  - Mongana Basic: Part 8
• Titbits
• Datasheet
  - Cholesterol content in edible oils and fats

No. 85, Oct-Dec 2007
60 pages

CONTENTS
• Feature Articles
  - Carbon dioxide emission estimation for palm biodiesel and petroleum diesel
  - Benefiting from innovations in the oil palm industry
  - Welding technology for good milling practice: Module 3 – Welding equipments and welding defects
  - Mongana Basics: Part 10 – Clarification of crude oil
• Palm News
• Datasheet
  - Replanting cost for the estate sector (RM ha⁻¹) for inland soil
  - Mass balance to fresh fruit bunch
No. 86, Jan-Mar 2008
58 pages

CONTENTS
• Feature Articles
  - Practical processing hints
  - Welding technology – Module 4
  - Mongana Basics: Part 11 – Dilution of crude oil
• Palm News
• Biofuel News
• Datasheet
  - Incentives by the government for renewable energy in Malaysia

No. 87, Apr-Jun 2008
56 pages

CONTENTS
• Feature Articles
  - Developing a biomass fuel supply chain
  - Milling ideas – Digesters
  - Mongana Basics: Part 12 – Problems associated with oil separation
• Palm News
• Titbits
  - Cellulose to sugar in single process step
• Datasheet
  - Monthly prices of crude palm oil

No. 88, Jul-Sep 2008
56 pages

CONTENTS
• Feature Articles
  - Biodiesel and edible oils news
  - Palm oil mills – Caring your electrical motors: Part 1
  - Glimpses of milling visions
  - Important steps in developing CDM projects
  - Mongana Basics: Part 13 – Dehydration and re-hydration of oil
• Datasheet
  - Make your own steam flow meter

No. 89, Oct-Dec 2008
68 pages

CONTENTS
• Feature Articles
  - Synthetic biodiesel from palm biomass
    – Can this be a viable project?
  - Rolek Nut Cracker – FELDA’s experience
  - 2008 National Seminar on Palm Oil Milling, Refining Technology, Quality and Environment highlights
  - Mongana Basics: Part 14 – Study of the quality and characteristics of oil
• Milling Dialogue
• Datasheet
  - Palm oil milling tips

No. 90, Jan-Mar 2009
64 pages

CONTENTS
• Feature Articles
  - Maintenance and troubleshooting of electric motors
  - Process tips and tricks
  - New products – Oil/bleaching earth slurry heater
  - Mongana Basics: Part 16 – Study of the quality and characteristics of oil
• Milling Dialogue
• Datasheet
  - Oil loss as a % to FFB – Quick and ready reckoner
No. 91, Apr-Jun 2009
68 PAGES

CONTENTS
• Feature Articles
  - Palm waste as alternative fuel for cement plant
  - How to fix price for your biomass
  - Codes of Practice (CoP) – What it means for millers?
  - Vynke’s renewable energy steam power plants
  - Mongana Basics: Part 17 – Oxidation of oil
• Milling Dialogue
• Datasheet
  - CDM status in Malaysia

No. 92, Jul-Sep 2009
72 pages

CONTENTS
• Feature Articles
  - Effluent treatment systems in palm oil mills Part 1 – Anaerobic digestion
  - Lubrication and lubricant selection
  - Hazards associated with processing in a palm oil mill
  - Mongana Basics: Part 18 – Deperoxidation
• Milling Dialogue
• Titbits
• Datasheet
  - Datasheet for engineers

No. 93, Oct-Dec 2009
60 pages

CONTENTS
• Feature Articles
  - Clarification station operation (currently on-going)
  - Benefiting from innovations in the palm oil mills Part II – Biogas from anaerobic digestion
  - Mongana Basics: Part 19 - Plasticity
• Datasheet
  - Datasheet for engineers

No. 94, Jan-Mar 2010
62 pages

CONTENTS
• Feature Articles
  - COP 15
  - Challenges facing the palm oil industry
  - REACH and the Malaysian palm oil industry
  - Tilting steriliser
  - Mongana Basics: Part 20 – Processing of nut
• Datasheet
  - Approved oil palm-based renewable energy projects in Malaysia
No. 95, Apr-Jun 2010
77 pages

CONTENTS
• Feature Articles
  - CoP auditing made easy: Documents and Standards Operating Procedure Guidelines for CoP auditing of palm oil mills
  - Technological improvements in palm oil milling/refinery: The monetary incentive
  - Diploma in Milling Technology and Management Course 2010: Trouble shooting
  - Mongana Basics: Part 21 – The separation of fibre from nuts
• Datasheet
  - Composition of ferrous alloys

No. 96, Jul-Sep 2010
53 pages

CONTENTS
• Feature Articles
  - CoP audit in FELDA’s Kechau ‘B’ palm oil mill on a showroom
  - What exactly is sustainability?
  - Corporate social responsibility
  - Mongana Basics: Part 22 – Separation of the cracked mixture
• Datasheet
  - ISO metric screw threads BS 3643

No. 97, Oct-Dec 2010
63 pages

CONTENTS
• Feature Articles
  - Fuel and combustion theory for palm oil industries
  - FFB decoring technology revolutionizes palm oil milling process
  - Milling Laws
  - Mongana Basics: Part 23 – Study of fuel and valorisation of the waste products
• Datasheet
  - Composition of palm fruit refuse

No. 98, Jan-Mar 2011
47 pages

CONTENTS
• Feature Articles
  - Risk and crisis management
  - Future milling concepts or idiosyncrises? – Part 1
  - Mongana basics: Part 24 – general conclusions
• Datasheet
  - Stainless steel prices – Mill machinery and raw materials
CONTENTS

- Overview
- Plantation
- Processing
- Production
- Stocks
- Exports
- Imports
- Domestic Prices
- Export Prices
- World Oils & Fats Prices
- World Oils Seed Situation
- World Oils & Fats
- Prospects
- Appendices
<table>
<thead>
<tr>
<th>Proceedings</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prosiding Persidangan Kebangsaan Pekebun Kecil Sawit 2005 – Teknologi ke arah Visi 35:25</strong></td>
<td>• 2005</td>
<td>• 967-961-107-8</td>
<td>• RM 50.00</td>
<td>• 233 pages</td>
</tr>
<tr>
<td><strong>Proceedings of the International Conference on Pest and Diseases of Importance to the Oil Palm Industry</strong></td>
<td>• 2005</td>
<td>• 967-961-110-8</td>
<td>• RM 100.00/ USD 50.00</td>
<td>• 470 pages</td>
</tr>
<tr>
<td><strong>Proceedings of the 2004 National Seminar on ISO 1400 Series of Environmental Management System Standards</strong></td>
<td>• 2005</td>
<td>• 967-961-115-9</td>
<td>• RM 40.00/USD 20.00</td>
<td>• 84 pages</td>
</tr>
<tr>
<td><strong>Proceedings of the 2005 Conference on Biotechnology of Plantation Commodities (unedited)</strong></td>
<td>• 2005</td>
<td>• RM 60.00/USD 30.00</td>
<td>• 554 pages</td>
<td></td>
</tr>
</tbody>
</table>
- 2005
- RM 100.00/USD 50.00
- 431 pages

- 2005
- RM 100.00/USD 50.00
- 263 pages

- 2005
- RM 100.00/USD 50.00
- 282 pages

Proceedings of the Agriculture Biotechnology and Sustainability Conference – PIPOC 2005
- 2005
- RM 150.00/USD 75.00
- 1192 pages
Proceedings of the 2004 MPOB National Seminar on Green and Renewable Biofuel – Future Outlook of Biofuel in Malaysia
- 2006
- 967-961-120-5
- RM 100.00/USD 50.00
- 184 pages

Prosiding Persidangan Kebangsaan Pekebun Kecil Sawit 2006 – Amalan Berkualiti Produktiviti Tinggi
- 2006
- 967-961-125-6
- RM 30.00
- 233 pages

Proceedings of the 2006 National Seminar on Palm Oil Milling Refining Technology, Quality and Environment
- 2007
- 967-961-126-4
- RM 100.00/USD 50.00

Proceedings of the Clonal and Quality Replanting Material Workshop Towards Increasing the Manual National Productivity
- 2007
- 967-961-128-1
- RM 50.00/USD 25.00
- 131 pages
Proceedings of the Seminar on Ecomat Research and Promotion - Towards Enrichment of the Environment

- 2007
- 978-967-961-130-4
- RM 50.00/USD 25.00
- 79 pages


- 2007
- RM 100.00/USD 50.00
- 564 pages


- 2007
- RM 100.00/USD 50.00
- 1208 pages


- 2007
- RM 100.00/USD 50.00
- 397 pages
- 2007
- RM 100.00/USD 50.00
- 202 pages

- 2007
- RM 100.00/USD 50.00
- 210 pages

- 2007
- RM 100.00/USD 50.00
- 268 pages

Proceedings of the 3rd Seminar on Performances of MPOB PS1 and PS2 Materials and Elite Germplasm
- 2008
- 978-967-961-144-1
- RM 30.00/USD 15.00
- 192 pages
Proceedings of the Roundtable Discussion on “Oil Palm: Narrowing the Yield Gap towards Vision 35:25”
- 2008
- 978-967-961-145-8
- RM 50.00/USD 25.00
- 252 pages

- 2008
- 978-967-961-142-7
- RM 20.00/USD 10.00
- 115 pages

Proceedings of the 2008 National Seminar on Biofertilizer, Biogas and Effluent Treatment in the Oil Palm Industry: Waste or Wealth
- 2009
- 978-967-961-154-0
- RM 50.00/USD 25.00
- 279 pages

- 2009
- RM 100.00/USD 50.00
- 411 pages
- 2009
- RM 100.00/USD 50.00
- 976 pages

- 2009
- RM 100.00/USD 50.00
- 1490 pages

- 2009
- RM 80.00/USD 40.00
- 361 pages

- 2009
- 978-967-961-144-1
- RM 80.00/USD 40.00
- 387 pages
Proceedings of Food, Lifestyle and Health Conference – PIPOC 2009
• 2009
• RM 80.00/USD 40.00
• 368 pages

• 2009
• RM 80.00/USD 40.00
• 171 pages

Proceedings of the 2009 International Conference on Oil Palm and the Environmental – Harmonizing Oil Palm with the Environment
• 2010
• 978-967-967-764-9
• RM 80.00/USD 40.00
• 350 pages

Prosiding Persidangan Kebangsaan Pekebun Kecil Sawit 2010 – Bersatu Meningkatkan Produktiviti Mapan
• 2010
• 978-967-961-170-0
• RM 50.00
• 226 pages
Proceedings of 2010 – National Seminar Palm Oil Milling, Refining, Environment and Quality (POMREQ)

- 2010
- 978-967-961-172-4
- RM 80.00/USD 40.00
- 447 pages
Additional Publications

**Palm Kernel Products – Characteristics and Applications**
- 2005
- 967-961-104-3
- RM 50.00/USD 25.00
- 194 pages
- Yusof Basiron, Ariffin Darus, Ma Ah Ngan and Chan Kook Weng

**Land and Agricultural Policy a Mismatch**
- 2005
- 967-961-109-4
- RM 150.00/USD 75.00
- 530 pages
- Tan Sri Dato Seri Hj Basir Ismail

**Technologies for Planting Oil Palm on Peat**
- 2005
- 967-961-113-2
- RM 30.00/USD 15.00
- 84 pages
- Mohd Tayeb Dolmat
ADDITIONAL PUBLICATIONS

**MPOB Test Methods**
- 2005
- 967-961-114-0
- RM 50.00/USD 25.00
- 414 pages

**Handbook: Photographic Perspectives on the Anomalies of Oil Palm**
- 2005
- 967-961-108-6
- RM 20.00/USD 10.00
- 87 pages
- Meilina Ong Abdullah, Rohani Othman, Zamzuri Ishak, Ahmad Tarmizi Hashim and Sharifah Shahrul Rabiah Syed Alwee

**Seri Sawit – Koleksi Resipi daripada Berita Sawit**
- 2005
- 967-961-116-7
- RM 60.00
- 92 pages
- Nor Aini Idris
ADDITIONAL PUBLICATIONS

Modelling Flowering and Seasonal Yield Cycles of Oil Palm - Simulation Models for Teaching and Research OPFLSIM 1.0 and 2.0 - Technical Manual (with CD)
- 2006
- 967-961-118-3
- RM 50.00/USD 25.00
- 97 pages
- Ian E Henson and Laurence H Jones

Managing Breast Cancer with Tocotrienols
- 2006
- 967-961-124-8
- RM 20.00/USD 10.00
- 41 pages
- Kalanithi Nesaretnam and Mohd Basri Wahid

Modelling Flowering and Seasonal Yield Cycles of Oil Palm Simulation Models for Teaching and Research (OPFLSIM 3.0)
- 2007
- 978-967-961-131-1
- RM 50.00/USD 25.00
- 95 pages
- Ian E Henson
Manual Pengurusan Bersepadu Ulat Bungkus di Ladang Sawit
- 2008
- 978-967-961-134-2
- RM 10.00
- 15 pages
- Siti Ramlah Ahmad Ali, Norman Kamarudin, Mohd Basri Wahid, Mohd Najib Ahmad, Mohd Mazmira Mohd Masri and Ahmad Kushairi Din

Sistem Pengurusan Perosak Bersepadu Bagi Kawalan Ulat Bungkus di Ladang Sawit
- 2008
- 978-967-961-135-9
- RM 10.00
- 28 pages
- Siti Ramlah Ahmad Ali, Norman Kamarudin, Mohd Basri Wahid, Mohd Najib Ahmad, Mohd Mazmira Mohd Masri and Ahmad Kushairi Din

Codes of Practices for the Oil Palm Supply Chain (seven titles)
- 2008 - 2010
- RM 40.00/USD 20.00

1. Nursery Practice
2. Crushing Practice
3. Agricultural Practice
4. Refining Practice
5. Milling Practice
6. Practice for the Handling, Transport and Storage of Products from the Oil Palm
7. Practice for Bulking Facilities of Palm Oil and Palm Kernel Oil and their Products
Healthy Ageing with Tocotrienols – New Discoveries
- 2008
- 978-967-961-141-0
- RM 20.00/USD 10.00
- 42 pages
- Kalanithi Nesaretnam and Mohd Basri Wahid

Innovation in Palm Oil Milling Technology – MPOB’s R&D and Commercialization
- 2009
- 978-967-961-157-1
- RM 20.00/ USD 10.00
- 47 pages
- Mohd Basri Wahid, Choo Yuen May, Lim Weng Soon, Zulkifli Ab Rahman, Rohaya Mohamed Halim, Sivasothy Kandiah, Astimar Abdul Aziz, N Ravi Menon, Ma Ah Ngan, Ropandi Mamat, Mohamad Sulong, Ravigadevi Sambathamurthi and Tan Yew Ai

Biogas Utilization in Palm Oil Mills
- 2009
- 978-967-961-159-5
- RM 20.00/USD 10.00
- 58 pages
- Mohd Basri Wahid, Choo Yuen May, Lim Weng Soon, Loh Soh Keang, Ma Ah Ngan, N Ravi Menon, Mohamad Sulong, Nasrin Abu Bakar, Vijaya Subramaniam, Mohamad Azri Sukiran and Muzzamil Ngatiman
MPOB Biomass Technology Centre – Road to Zero Waste
- 2009
- 978-967-961-158-8
- RM 20.00/ USD 10.00
- 57 pages
- Mohd Basri Wahid, Choo Yuen May, Lim Weng Soon, Astimar Abdul Aziz, Anis Mokhtar, Zawawi Ibrahim, Kamarudin Hassan, Nasrin Abu Bakar, Ridzuan Ramli, Rosnah Mat Soom, Wan Hasamudin Wan Hassan, Ropandi Mamat, Noor Shamsiana Abd Wahab and Mohamad Sulong

Building a Knowledge Economy on the Right Foundation
- 2009
- RM 10.00/USD 5.00
- 13 pages
- Jim Platts

Development of Mechanization Standards and Bench-Marks for Labour Efficiency in Oil Palm Plantations
- 2009
- 978-967-961-146-5
- RM 10.00/USD 5.00
- 11 pages
- Abd Rahim Shuib, Mohd Ramdhan Khalid, Abdul Razak Jelani, Mohd Solah Deraman, Salmah Jahis and Ahmad Hitam
Application of Soil Stabilizer for Plantation Road Construction

- 2009
- 978-967-961-147-2
- RM 10.00/USD 5.00
- 9 pages
- Abd Rahim Shuib, Mohd Ramdhan Khalid, Abdul Razak Jelani, Mohd Solah Deraman, Salmah Jahis and Ahmad Hitam

Pocketbook of Palm Oil Uses – Sixth Edition

- 2009
- 978-967-961-151-9
- RM 20.00/USD 10.00
- 78 pages
- Rosidah Radziah, Tang Thin Sue, Ooi Cheang Keat, Wong Soo Khwan and T P Pantzaris

Novelin - A Line of New Innovative Oils for Health and Cold Stability

- 2009
- 978-967-961-155-7
- RM 10.00/USD 5.00
- 14 pages
- Siew Wai Lin
ADDITIONAL PUBLICATIONS

Technologies for Oil Palm Harvesting Evacuation and Loose Fruit Collection
- 2009
- 978-967-961-150-2
- RM 10.00/USD 5.00
- 70 pages
- Abd Rahim Shuib, Mohd Ramdhan Khalid, Abdul Razak Jelani, Mohd Solah Deraman, Salmah Jahis and Ahmad Hitam

Modelling Dry Matter Production, Partitioning and Yield of Oil Palm, OPRODSIM – Mechanistic Simulation Model for Teaching and Research
- 2009
- 978-967-961-152-6
- RM 30.00/USD 15.00
- 92 pages
- Ian E Henson

Pocketbook Oil Palm Uses (Spanish)
- 2010
- 978-967-961-151-9
- RM 20.00/USD 10.00
- Rosidah Radziah, Tang Thin Sue, Ooi Cheang Keat, Wong Soo Khwan and T P Pantzaris
ADDITIONAL PUBLICATIONS

Pocketbook Oil Palm Uses (French)
- 2010
- 978-967-961-151-9
- RM 20.00/USD 10.00
- Rosidah Radziah, Tang Thin Sue, Ooi Cheang Keat, Wong Soo Khwan and T P Pantzaris

Pocketbook Palm Oil Uses (Arabic)
- 2010
- 978-967-961-151-9
- RM 20.00/USD 10.00
- Rosidah Radziah, Tang Thin Sue, Ooi Cheang Keat, Wong Soo Khwan and T P Pantzaris

- 2010
- 978-967-961-160-1
- RM 40.00/USD 20.00
- 81 pages
- Ian E Henson
Perusahaan Sawit di Malaysia – Satu Panduan Edisi ke-3
- 2010
- 978-967-961-163-2
- RM 50.00
- 530 pages
- Esnan Ab Ghani and Idris Omar

Innovations in Oil Palm Mechanization – Tools of Achievement
- 2010
- 978-967-961-166-3
- RM 50.00/USD 25.00
- 166 pages
- Mohd Basri Wahid, Abd Rahim Shuib, Abdul Razak Jelani, Salmah Jahis, Mohd Solah Deraman, Mohd Ramdhan Mohd Khalid, Ahmad Tarmizi Mohamed and Ahmad Kushairi Din

Integrasi Tanaman dan Ternakan – Pemacu Kesejahteraan Industri Sawit
- 2010
- 978-967-961-169-4
- RM 60.00
- 530 pages
- Mohd Basri Wahid, Idris Omar, Wahid Omar and Mohd Saufi Awang
Going for Liquid Gold – The Achievement of the Malaysian Palm Oil Board
- 2010
- 978-967-961-167-0
- RM 200.00/USD 100.00
- 259 pages
- Mohd Basri Wahid

Malaysian Palm Oil Sustainability Manual
- 2010
- 978-967-961-171-7
- RM 50.00/USD 25.00
- 104 pages

MPOB Pilot Plant and Laboratory Facilities
- 2010
- 978-967-961-165-6
- RM 100.00/USD 50.00
- 137 pages
- Mohd Basri Wahid, Choo Yuen May, Ahmad Sidek Stroo, Hazimah Abu Hassan, Ahmad Kushairi Din, Lim Wing Soon, Kalaninthi Nesaretnam, Idris Omar, Faizah Mohd Shariff, Adzmi Hassan, Burhanuddin Abd Salam, Mohd Saufi Kasim
ADDITIONAL PUBLICATIONS

Directory of Malaysian Palm oil Processing Sectors – 3rd Edition
- 2011
- 1823-6642
- RM 40.00/USD 10.00
- 112 pages

Directory of Malaysian Palm Oil Dealers
- 2011
- 2231-7295
- RM 35.00/USD 10.00
- 128 pages

Directory of Malaysian Exporters of Palm Products
- 2011
- 2180-4877
- RM 40.00/USD 10.00
- 107 pages
Directory of Oil Palm Seed Producers & Nursery Operators
- 2011
- 1985-9252
- RM 25.00/USD 10.00
- 60 pages

Customs Tariff Codes for Oil Palm Products and Schedule of Tariff Rates
- 2011
- 978-967-961-182-3
- RM 30.00/USD 10.00
- 41 pages

Further Advances in Oil Palm Research (2000-2010) Volume I
- 2011
- 978-967-961-179-3
- RM 360.00/USD 180.00
- 597 pages
- Mohd Basri Wahid, Choo Yuen May and Chan Kook Weng
ADDITIONAL PUBLICATIONS

Further Advances in Oil Palm Research (2000-2010) Volume II
- 2011
- 978-967-961-180-9
- RM 240.00/USD 120.00
- 462 pages
- Mohd Basri Wahid, Choo Yuen May and Chan Kook Weng

Paraquat: Asset or Liability - A Study Initiated by the Malaysian Palm Oil Board
- 2011
- 978-967-961-175-5
- RM 100.00/ USD 50.00
- 316 pages
- Mohd Basri Wahid, Ahmad Kushairi Din, Faizah Mohd Shariff, Ainie Kuntom, Norman Kamaruddin and Ahmad Tarmizi Mohamed

Oil Palm Biology Facts & Figures
- 2011
- RM 25.00/ USD 15.00
- 141 pages
- Ahmad Kushairi Din, Siti Nurulhidayah Ahmad, Nur Maisarah Jantan, Nur Zuhaili H A Z A, Syahanim Shahwan and Ainul Mardziah Mohamed
Guidelines for the Development of a Standard Operating Procedure for Oil Palm Cultivation on Peat

- 2011
- RM 20.00/ USD 10.00
- 978-967-961-178-6
- 9 pages
- Mohd Haniff Harun, Ahmad Kushairi Din, Ahmad Tarmizi Mohamed, Wahid Omar, Hasnol Othman, Farawahida Md Darus and Nur Maisarah Jantan