

## PUBLICATIONS

- B.T. Hawkins & A. Ray (1975) *Light Timber Framing for Papua New Guinea (CSIRO)* K10.50
- C.R. Levy (1975) *The Introduction of Wood Preservation into Papua New Guinea* K10.50
- J.F.U. Zieck (1975) *Copal Industry in Papua New Guinea* K10.50
- E. Bolza (1975) *The Mechanical Properties of 81 New Guinea Timbers* K10.50
- Forest Products Research Centre P.O. Box 1358 Boroko Papua New Guinea (1982) *Manual of Rural Woods Preservation* K10.50
- J.F.U. Zieck (1983) *Massey Bark in Papua New Guinea* K9.40
- A. Powter (1983) *Papua New Guinea Shake and Shingle Manual* K9.40
- E. Bolza and N.H. Kloot (1987) *Properties and Uses of 175 Timber Species from Papua New Guinea and West Irian* K10.50
- A. A. Oteng- Amoako (1990) *Macroscopic Wood Identification Manual of Papua New Guinea* K21.50
- Chawi Konabe and Cherla B. Sastry 22-26 (1991) *July, 1991 Proceedings of National Rattan Workshop held at the PNG Forest Research Institute, Lae, Papua New Guinea* K21.50
- A.A. Oteng- Amoako (1992) *Photomicrographic Atlas of Papua New Guinea Timbers* K21.50
- P.J. Eddowes (1997) *Commercial Timbers of Papua New Guinea (Properties of Wood was the old version)* K30.00
- M. Gamser and C.H. *Hardwood Charcoal Production and Use in Papua New Guinea* K10.50
- M. J. Gardener and A. Tagamasau *Report on the Seminar on the Development of Coconut Timber Use* K10.50
- Forest Products Research Centre P.O. Box 1358 Boroko Papua New Guinea *Pole Buildings in Papua New Guinea* K10.50
- F.H. Philips & A.F. Logan *The Pulping & Paper Making Potential of Tropical Hardwoods I* K19.40
- The Pulping & Paper Making Potential of Tropical Hardwoods II* K19.40
- The Pulping & Paper Making Potential of Tropical Hardwoods III* K19.40
- FPP Timber Hand Sample: K7.50 each

## FOREST PRODUCTS PROGRAMME STAFF

- Mathias Niangu: Programme Leader  
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Benjamin Vali: Wood Technologist  
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## PAPUA NEW GUINEA FOREST RESEARCH INSTITUTE FOREST PRODUCTS PROGRAMME

*"Promoting Papua New Guinea's Forest Products through Research and Development"*



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## GOAL:

*“To conduct applied and experimental research and provide technical assistance in more efficient use of existing and proposed forest based products, processes and systems capable of seeking a maximum possible contribution to the economic well being of Papua New Guinea”.*



## WHAT DOES THE PROGRAMME DO

The Forest Products Programme is a research programme at the Papua New Guinea Forest Research Institute. There are four research areas that we do our research.

### 1. Wood Preservation Section

- Treatability studies for plantation and lesser-used timber species
- Natural durability trials of selected timber species
- Qualitative and quantitative analysis of preservative treated timbers
- Evaluation of timber treatment technology

### 2. Wood Structure and Properties Section

- Microscopic wood identification of PNG timbers
- Anatomical and physical properties of plantation and lesser- used timber species
- Properties of lesser used species
- Wood quality of lesser used species

### 3. Wood Processing Section

- Economic survey of sawmilling industry with emphasis on improved machinery and efficiency
- Downstream processing of wood
- Develop suitable cost effective seasoning practices with minimal drying effects
- Drying and mechanical properties of plantation and lesser used species

### 4. Non Timber Forest Products Section

- Edible mushroom cultivation
- Traditional pharmaceutical products
- Rattan and Bamboo processing/ marketing
- Fruits and nuts processing/marketing

## WOOD TECHNOLOGY AND UTILISATION

We also provide the following Services:

1. Identification of wood samples as a service to Industries
2. Preparation and distribution of hand samples
3. Procurement and preparation of timber specimen for overseas promotion such as trade fairs.
4. Provision of technical information relating to the properties and suitable uses of PNG timbers
5. Utilisation, promotion and marketing of lesser known species.

## WOOD COLLECTION

A collection of wood specimens from Papua New Guinea and various regions of the world is assembled in the Xylarium (display of world woods).

## HAND SAMPLES

Samples are prepared from authenticated materials collected in various regions of Papua New Guinea. Sets of hand samples are distributed upon request to interested parties within the timber industries, building trades or educational institutions, both locally and overseas.

## PROMOTION

The programme also promotes the use of Papua New Guinean timbers. Advisory services are offered in relation to the mechanical and physical properties of timbers, their end uses, availability and distribution. A number of books dealing with the properties and uses of timbers have also been Published (*see our publication list*).

*The PNG Government through the PNG Forest Authority is pursuing further downstream processing of forest products in Papua New Guinea. The Forest Products Programme under the PNG Forest Research Institute will continue to play a vital role in conducting applied and experimental research on forest products, thus developing ways to sustainably utilise PNG forest products in order to achieve maximum benefit for the present and future generations of Papua New Guinea.*

*“The Forest Products Programme will continue to promote Papua New Guinea Forest Products through Research and Development”.*

