

PALMS OF NEW GUINEA

**William J. Baker, Anders S. Barfod, Rodrigo Cámara-Leret,
John L. Dowe, Charlie D. Heatubun, Peter Petoe,
Jessica H. Turner, Scott Zona and John Dransfield**

Illustrated by **Lucy T. Smith**

Kew Publishing
Royal Botanic Gardens, Kew

CONTENTS

FOREWORDS	vii
PREFACE.....	ix
ACKNOWLEDGEMENTS.....	xi
ABOUT THE AUTHORS.....	xiv
ABOUT THIS BOOK.....	xvi
1. INTRODUCTION TO NEW GUINEA AND ITS FLORA	1
2. NEW GUINEA PALMS IN A GLOBAL CONTEXT	5
3. EXPLORING THE NEW GUINEA PALM FLORA	13
4. DESCRIPTION AND DOCUMENTATION OF THE PALMS OF NEW GUINEA	19
5. DISTRIBUTION AND ECOLOGY OF PALMS IN NEW GUINEA	27
6. ETHNOBOTANY OF PALMS IN NEW GUINEA	41
7. EXTINCTION RISK AND NEW GUINEA PALMS	49
TAXONOMIC ACCOUNTS	56
Subfamily Calamoideae	
<i>Korthalsia</i>	62
<i>Metroxylon</i>	9
<i>Pigafetta</i>	74
<i>Calamus</i>	80
Subfamily Nypoideae	
<i>Nypa</i>	224
Subfamily Coryphoideae	
<i>Livistona</i>	228
<i>Licuala</i>	234
<i>Saribus</i>	288

TAXONOMIC ACCOUNTS (contd.)

<i>Caryota</i>	310
<i>Arenga</i>	318
<i>Corypha</i>	324
<i>Borassus</i>	328
Subfamily Arecoideae	
<i>Orania</i>	334
<i>Cocos</i>	382
<i>Sommieria</i>	386
<i>Actinorhytis</i>	390
<i>Areca</i>	394
<i>Pinanga</i>	410
<i>Physokentia</i>	414
<i>Calyptrocalyx</i>	418
<i>Linospadix</i>	476
<i>Ptychosperma</i>	480
<i>Ponapea</i>	524
<i>Drymophloeus</i>	528
<i>Brassiophoenix</i>	536
<i>Ptychococcus</i>	542
<i>Manjekia</i>	550
<i>Wallaceodoxa</i>	555
<i>Clinostigma</i>	558
<i>Cyrtostachys</i>	562
<i>Dransfieldia</i>	578
<i>Heterospathe</i>	582
<i>Hydriastele</i>	614
<i>Rhopaloblaste</i>	672
APPENDIX 1 – Checklist of the palms of the New Guinea region	681
APPENDIX 2 – Checklists of the palms of subdivisions of the New Guinea region	689
APPENDIX 3 – Useful palm species in the New Guinea region	696
BIBLIOGRAPHY	702
INDEX OF PLANT NAMES	717