

1<sup>TH</sup>



# FLORA MALESIANA

SYMPOSIUM  
PROGRAMME

11 to 15 July 2016

Royal Botanic Garden Edinburgh

CLASSIFY CULTIVATE CONSERVE



Royal  
Botanic Garden  
Edinburgh

# SYMPOSIUM VENUE MAPS



*Welcome to  
Royal Botanic Garden Edinburgh*  
Exploring and explaining the world of plants for a better future

The Garden welcomes visitors to explore its unique plant collections which are grown in support of its internationally renowned, worldwide science, conservation and education work.



# SCIENTIFIC PROGRAMME

## **Presentations**

The conference will be using MS PowerPoint in all venues. All delegates must submit their presentation to the Registration Desk. For morning presentations, these should be submitted to the Registration Desk by 08:15 at the latest. For afternoon presentations, these should be submitted by the start of the lunch break. Please make sure that the number of your talk (given to you when you submitted your abstract to EasyChair) is included in the file name.

All submitted paper presentations are of 15 minutes' duration with 5 minutes for discussion. Please keep to this time so that delegates can move between parallel sessions. Chairpersons have been instructed to interrupt presentations that exceed their time limit.

Instructions for operation of the equipment will be given before each session. Please arrive at your session at least 15 minutes before your session starts.

## **Posters**

Poster boards are available in the Fletcher Building. Please place your poster next to the number allocated to you when you submitted your abstract to EasyChair. Pins and Velcro tape will be available to help secure the posters. There is a formal poster session on Tuesday afternoon, but we encourage all posters to be placed on the display boards at the start of the symposium. At the formal poster session we expect authors to be standing next to their posters.

## **New Publications**

Before the poster session on Tuesday afternoon there will be a series of short presentations by several authors who have published new books since the last Flora Malesiana Symposium.

## **Impromptu meetings**

The Board Room will be available to delegates for impromptu meetings. To arrange use of this room please contact the Registration Desk.

## **Herbarium access during the Symposium**

Our Herbarium is available for consulting specimens during the symposium. Access is by arrangement at the Registration Desk and Herbarium staff will be available every half hour at the desk to escort delegates to the collections. You will be asked to complete a form giving your name and institute details, your area of interest and also an example of your handwriting for any determination slips you complete. The Herbarium will be open from 08:30 to 17:00 each day of the symposium.

## **Speed-dating sessions**

Each morning images of some unidentified herbarium specimens will be shown to delegates in the lecture theatre. If you want to have a go at trying to identify these, then let the Herbarium staff know and they will direct you to the area where they have been laid out for consultation.

## **Library access**

Delegates are welcome to use the Library for reference purposes during opening hours (Monday to Friday, from 10:00 to 16:00). Please ring the doorbell at the Library entrance for access. If additional access is required please contact the Reception Desk with details of times and materials required; requests will be passed to the Head of Library and Archives (Lorna Mitchell) for consideration.

## **Glasshouse access**

Delegates are exempt from the usual £5.50 charge for access to the public glasshouses when wearing their conference badge.

# WELCOME MESSAGE

On behalf of the organising committee it is my great pleasure to welcome you to Edinburgh, the Royal Botanic Garden Edinburgh and the 10th International Flora Malesiana Symposium.

This year's symposium brings together taxonomists, horticulturists and conservationists from across the world to discuss their research and conservation activities on the plant diversity of the Malesian region.

The theme of this year's symposium is 'Classify, Cultivate, Conserve'. At the heart of the symposium is the taxonomic research which underpins all biodiversity research, in particular publications that document and help us better understand the massive diversity of the region. In this symposium we also want to highlight and celebrate the role that horticulture has had in helping us understand this diversity and how it contributes to conservation actions.

We hope that by bringing taxonomists, horticulturists and conservationists together in a single symposium, we will better understand the needs of each other and how to be more efficient and effective in helping describe and protect the plant diversity of the region.
















The symposium is about bringing people together who are passionate about Malesian plants, and about inspiring them to go forward to develop and deliver new and exciting research and conservation projects. It is also about meeting old friends and making new ones. We hope that the scientific and social programme we have put together will encourage you to do both.

Finally I would like to thank the Directors of the Royal Botanic Garden for supporting the symposium, the organising committee for their hard work over the past 6 months for making the symposium possible and all delegates for submitting a great range of talks and posters, which we are sure will make for a fantastic symposium.



Dr Peter Wilkie  
Chairperson of the 10th International Flora Malesiana Symposium  
Royal Botanic Garden Edinburgh

# ORGANISING COMMITTEE

		Peter Wilkie (Chairperson)	
	George Argent		Mark Hughes
	Hannah Atkins		Vlasta Jamnicky
	Sadie Barber		Mark Newman
	Robyn Drinkwater		Carmen Puglisi
	Liz Leith		Duncan Reddish
	Louise Galloway		Lesley Scott
	Shauna Hay		Helen Yeats

# FINANCIAL SUPPORT

In addition to the Royal Botanic Garden Edinburgh, we would like to thank the following for financial and logistical support of the conference:



Supported by the Friends of



Royal  
Botanic Garden  
Edinburgh



The M.L. MacIntyre

BEGONIA TRUST



# SYMPOSIUM VENUE MAPS



*Welcome to  
Royal Botanic Garden Edinburgh*  
Exploring and explaining the world of plants for a better future

The Garden welcomes visitors to explore its unique plant collections which are grown in support of its internationally renowned, worldwide science, conservation and education work.



# SCIENTIFIC PROGRAMME

## **Presentations**

The conference will be using MS PowerPoint in all venues. All delegates must submit their presentation to the Registration Desk. For morning presentations, these should be submitted to the Registration Desk by 08:15 at the latest. For afternoon presentations, these should be submitted by the start of the lunch break. Please make sure that the number of your talk (given to you when you submitted your abstract to EasyChair) is included in the file name.

All submitted paper presentations are of 15 minutes' duration with 5 minutes for discussion. Please keep to this time so that delegates can move between parallel sessions. Chairpersons have been instructed to interrupt presentations that exceed their time limit.

Instructions for operation of the equipment will be given before each session. Please arrive at your session at least 15 minutes before your session starts.

## **Posters**

Poster boards are available in the Fletcher Building. Please place your poster next to the number allocated to you when you submitted your abstract to EasyChair. Pins and Velcro tape will be available to help secure the posters. There is a formal poster session on Tuesday afternoon, but we encourage all posters to be placed on the display boards at the start of the symposium. At the formal poster session we expect authors to be standing next to their posters.

## **New Publications**

Before the poster session on Tuesday afternoon there will be a series of short presentations by several authors who have published new books since the last Flora Malesiana Symposium.

## **Impromptu meetings**

The Board Room will be available to delegates for impromptu meetings. To arrange use of this room please contact the Registration Desk.

## **Herbarium access during the Symposium**

Our Herbarium is available for consulting specimens during the symposium. Access is by arrangement at the Registration Desk and Herbarium staff will be available every half hour at the desk to escort delegates to the collections. You will be asked to complete a form giving your name and institute details, your area of interest and also an example of your handwriting for any determination slips you complete. The Herbarium will be open from 08:30 to 17:00 each day of the symposium.

## **Speed-dating sessions**

Each morning images of some unidentified herbarium specimens will be shown to delegates in the lecture theatre. If you want to have a go at trying to identify these, then let the Herbarium staff know and they will direct you to the area where they have been laid out for consultation.

## **Library access**

Delegates are welcome to use the Library for reference purposes during opening hours (Monday to Friday, from 10:00 to 16:00). Please ring the doorbell at the Library entrance for access. If additional access is required please contact the Reception Desk with details of times and materials required; requests will be passed to the Head of Library and Archives (Lorna Mitchell) for consideration.

## **Glasshouse access**

Delegates are exempt from the usual £5.50 charge for access to the public glasshouses when wearing their conference badge.



## Session 6B

Conference Room

### Session 6B. Beyond Red Listing

- 14.00–14.20 D. Gill et al.: Steps after Red Listing: how can we prioritise and take action for the region's most threatened trees? (119)
- 14.20–14.40 Kusumadewi Yulita et al.: Strategic conservation plan and action for the most threatened tree species in Indonesia (104)
- 14.40–15.00 Leng Guan Saw et al.: Beyond Red Listing: Implementation of action plans for the conservation of threatened plants in Peninsular Malaysia (132)
- 15.00–15.20 Discussion

## Workshop 2

Lecture Room 1

- 14.00–15.40 Workshop 2: Nomenclature Helpdesk

## Session 7A

Fletcher Building

### Session: 7A. New Books & Poster Viewing

- 16.10–16.40 Book Launch
- 16.40–17.30 Poster Session

## Symposium Dinner

City Chambers

- 19.00–23.30 Symposium Dinner

species in the region is a major challenge, requiring not only an understanding of the species threat status, but also an understanding of the level and type of conservation required and the social, cultural and ecological values attached to different tree species. This presentation provides an introduction to a session focused on the challenges and opportunities behind prioritisation and follow-on conservation action for the region's most threatened tree species. The session will include three presentations covering different prioritisation methods and approaches to tree conservation from Indonesia, Malaysia and the Philippines. It will conclude with an open discussion on ways forward for the conservation of the region's threatened trees, with reference to the Global Trees Campaign, a partnership between Fauna & Flora International and Botanic Gardens Conservation International which aims to prevent tree species extinctions in the wild.

#### **120. The flora in Javanese culture**

**Author(s):** Eddy Nurtjahya Budi Hartono, Joko Wantoro and Fx Paula Era Linahadomi

**Abstract Type:** Poster

Various plant species which are part of the life cycle of the Javanese of two provinces, namely Central Java and Yogyakarta are studied. To collect information relating to floral diversity in the daily life of nearly 35 million people in these provinces, a literature review was conducted. School curricula for elementary schools, junior high school and senior high school, and Javanese language supplements including song and traditional game books were sampled. At least 90 species of nearly 49 families, all terrestrial species, were recorded. As many as 45 species have local names for their flowers, 31 species for leaves, 13 species for young fruits, and 17 species for seed.

#### **121. An update on the banana family (Musaceae) in the Flora of Thailand**

**Author(s):** Sasivimon Swangpol and Wandee Inta

**Abstract Type:** Presentation

Collecting expeditions by N.W. Simmonds in the 1950s shed light on the diversity of bananas throughout the tropics. Thailand, among the major 'hotspots', is at the centre of origin of the banana family, Musaceae. From a total of 74–78 species and three genera in the world, 10–16 species found in Thailand belong to two native genera; *Musa* and *Ensete*. One ornamental species in *Musella* has been introduced into the country. Apart from two new native *Musa* species found in Thailand and published by our team in 2011 and 2015, a number of putative taxa await study and description. Several approaches have been used including morphometrics; anatomy by light and scanning electron microscopes; palynology; analyses of genome sizes, and molecular biology. A revision of the family is being prepared for the Flora of Thailand project. Our conclusions on banana taxonomy mark the importance of fertile land as a cradle of endangered bananas and urge conservation of their fragile germplasm and natural habitats.

#### **122. Balinese home gardens based on the 'Tri Hita Karana' concept in Pakraman villages, Buleleng Regency, North Bali**

**Author(s):** I Gusti Ayu Rai Sawitri, Nisyawati and Eko Baroto Walujo

**Abstract Type:** Poster

Home gardens in the Pakraman villages in Bali are based on 'Tri Hita Karana' concept which manages and regulates the garden space into Parahyangan, Pawongan and Palemahan zones, each with its own plants species. This study aimed to explore the diversity of plants species and compile information about their potential use. The location of the study includes 52 gardens in 41 Pakraman villages from the lowlands to the highlands in Buleleng regency north Bali. Data were obtained through observation, semi-structured interview (individual and group discussions) and questionnaires. The results revealed some specific plants species in each zone, such as *Michelia alba*, *Michelia champaca*, *Plumeria acuminata* in the Parahyangan zone which is used for ritual and Balinese Hindu ceremonial plants. Plants species in the Pawongan zone such as *Schefflera arboricola*, *Phyllanthus*

# POSTERS

Poster No.	Authors	Title
17	Yu, R. & van Welzen, P.	A taxonomic revision of <i>Trigonostemon</i> (Euphorbiaceae) in Malesia
19	Ellwood, L. et al.	Worldwide Engagement for Digitizing Biocollections 2016: a call to the Flora Malesiana community to participate in the WeDigBio Global Transcription Event!
23	Bouman, R. et al.	Getting a grip on <i>Phyllanthus</i> , a complex genus; phylogeny, historical biogeography and bioactivity screening
28	Kadhimi, A. et al.	Enhancing in vitro screening callus for drought tolerance using gamma rays and growth regulators of <i>Oryza sativa</i> CV MR269
29	Alhasnawia, A. et al.	Interaction of $\beta$ -glucan and NaCl stress on accumulation of antioxidant enzymes and relationships with salt tolerance in callus
45	Cahen, D. & Utteridge, T.	A synopsis of the genus <i>Smythea</i> (Rhamnaceae)
60	Azizan, A. & Couvreur, T.L.P.	Evolution of floral morphological characters in Annonaceae
63	Salvana, F.R. & Gruezo, W.	A taxonomic reassessment of genus <i>Podocarpus</i> in the Philippines
66	Julius, A. et al.	Generic limits of <i>Ardisia</i> (Primulaceae–Myrsinoideae) in Tropical Asia
70	Dubéarnès, A. et al.	Systematics of the genus <i>Embelia</i> (Primulaceae – Myrsinoideae)
71	Buot, I. & Sarinas, M.	Conservation education in the 21st Century: the potential of the open online course of the University of the Philippines-Open University
74	Mat Yunoh, S.M.	The genus <i>Lagerstroemia</i> (Lythraceae) in Peninsular Malaysia
82	Logatoc, E.L.R. & Gruezo, W.	Moss flora of Puting Bato karst area, Burdeos, Polillo Island, Philippines
93	Hao Wei Hsu & Alejandro, G.J.	Molecular Phylogeny and DNA Barcoding of the Philippine <i>Argostemma</i> (Argostemmataceae), including a new species
94	Santor, P.J. & Alejandro, G.J.	Phylogeny of the Philippine <i>Hedyotis</i> (Rubiaceae: Spermaceae)
97	Del Prado, Y.L. et al.	Phylogeny of selected Philippine <i>Ophiorrhiza</i> (Ophiorrhizeae—Rubiaceae) inferred from multiple sequence data including accounts of two new species
103	Koyama, T. & Baba, Y.	Floristic overview of Cyperaceae in Natma Taung National Park, Chin State, Myanmar
110	Fujikawa, K. et al.	The update of the Taxonomic Enumeration of Natma Taung National Park, Chin State, Myanmar
111	Moore, A.	<i>Poikilospermum</i> (Urticaceae) of Tropical Asia: an update
112	Purba, E. et al.	Ethnobotanical value and conservation of Zingiberaceae of the Batak Karo in North Sumatra, Indonesia
115	Arriola, A. et al.	Multi-gene analysis of the Philippine endemic <i>Gloeocarpus</i> to reassess its generic status
118	Miller, C.	The World Flora Online – Achieving Target 1 of the Global Strategy for Plant Conservation

Poster No.	Authors	Title
120	Budi Hartono et al.	Flora in Javanese Culture
122	I. Gusti Ayu Rai Sawitri et al.	Balinese Homegarden Based on 'Tri Hita Karana' Concept in Pakraman Villages Buleleng Regency North Bali (Indonesia)
125	Anh, K.-S. et al.	Anti-inflammatory activity of Rutaceae in Vietnam: Based on Ethnobotanical information
128	Nowak, S.	Taxonomic studies on the <i>Epiblastus</i> (Epidendroideae, Orchidaceae) toward a revision of the genus
129	Lacdan, N. et al.	Floristic Survey of Trees in the Lowland Tropical Forest of Mt. Daguldul, San Juan, Batangas
130	Hu, J.-M., et al.	Evolution of agamospermy and host specificity of <i>Balanophora laxiflora</i> and allied taxa (Balanophoraceae)
133	Yang, A.T-Y, et al.	Exploration of the flora of the Solomon Islands
143	Chamchumroon, V. et al.	Assessment of the distribution and conservation status of wild plants in conservation areas using GIS and GeoCAT
144	Blasco, F. et al.	DNA barcoding of selected medicinal plants and a discovery of a novel species of <i>Begonia</i>
158	Suhaimi, S-E. et al.	An overview of Convolvulaceae of Peninsular Malaysia
159	Brambach, F. et al.	Biogeography of Malesian tree species along elevational gradients – insights from plot-based inventories
166	Haerida, I. et al.	Flora of Bali, an update

# LIST OF PARTICIPANTS

Name	Institute	Country	Contact
Rafidah Abdul Rahman	Forest Research Institute Malaysia (FRIM)	Malaysia	rafidahar@frim.gov.my
Esperanza Maribel Agoo	De La Salle University	Philippines	esperanza.agoo@dlsu.edu.ph
Grecebio Jonathan Alejandro	University of Santo Tomas	Philippines	balejan@yahoo.com
Victor Amoroso	Center for Biodiversity Research and Extension in Mindanao (CEBREM), Central Mindanao University	Philippines	victorbamoroso@gmail.com
Julia Anak Sang	Sarawak Forestry Corporation	Malaysia	juliasang@sarawakforestry.com
Zozy Aneloi	Andalas University	Indonesia	zozya@yahoo.com
Wisnu Ardi	Center for Plant Conservation Bogor Botanic Gardens	Indonesia	wisnu.ardi83@gmail.com
Marlina Ardiyani	Herbarium Bogoriense, the Indonesian Institute of Sciences	Indonesia	marlina.ardiyani@gmail.com
Minerva Arenas	Far Eastern University – Manila	Philippines	arenas.mines@gmail.com
George Argent	Royal Botanic Garden Edinburgh	UK	g.argent@rbge.org.uk
Susana Arias Guerrero	Naturalis Biodiversity Center	Netherlands	susanaariasguerrero@gmail.com
Kate Armstrong	New York Botanical Garden, USA	USA	karmstrong@nybg.org
Axel H. Arriola	University of the East	Philippines	axel.arriola@ue.edu.ph
Peter Ashton	Harvard University	USA	pashton@oeb.harvard.edu
Tika Dewi Atikah	Research Center for Biology – LIPI	Indonesia	tikadewi_atikah@yahoo.com
Hannah Atkins	Royal Botanic Garden Edinburgh	UK	h.atkins@rbge.org.uk
Fernando Aurigue	Philippine Nuclear Research Institute-DOST	Philippines	faurigue@gmail.com
Amira Azizan	University of Montpellier	France	amira.azizan@hotmail.com
Yumiko Baba	The Kochi Prefectural Makino Botanical Garden	Japan	yumiko.baba@makino.or.jp
Max van Balgooy	Naturalis Biodiversity Center	Netherlands	mmjvanbalgooy@gmail.com
Henrik Balslev	Aarhus University	Denmark	henrik.balslev@bios.au.dk
Sadie Barber	Royal Botanic Garden Edinburgh	UK	s.barber@rbge.org.uk
Julie Barcelona	University of Canterbury – School of Biological Sciences	New Zealand	julie.barcelona@canterbury.ac.nz
Katie Beckett	Department for Business Innovation & Skills, UK Government.	UK	Katie.Beckett@nmro.gov.uk
Anna Bell	International Islamic University (IIUM)	Malaysia	bell_azahana@yahoo.com
Freddie Blasco	College Of Arts and Sciences Department, Saint Theresa College of Tandag, Tandag, Surigao del Sur	Philippines	fred8mse@yahoo.com.ph
Roderick Bouman	Hortus Botanicus Leiden, University of Leiden	Netherlands	r.w.bouman@hortus.leidenuniv.nl
Fabian Brambach	Georg-August-University Göttingen	Germany	fbramba@gwdg.de
Gemma Bramley	Royal Botanic Gardens, Kew	UK	g.bramley@kew.org
Marie Briggs	Royal Botanic Gardens, Kew	UK	m.briggs@kew.org
Nicola Brooking	The Eden Project	UK	nbrooking@edenproject.com
David Burslem	University of Aberdeen	UK	d.burslem@abdn.ac.uk
James Byng	Plant Gateway	UK	james.byng@naturalis.nl
Michael Calaramo	Northwestern University Ecotourism Park and Botanic Gardens	Philippines	nwu_ecopark@yahoo.com
Rodrigo Camara Leret	Royal Botanic Gardens, Kew	UK	r.camaraleret@kew.org
Helen Chadburn	Royal Botanic Gardens, Kew	UK	H.Chadburn@kew.org
Voradol Chamchumroon	The Office of Forest Herbarium Forest and Plant Conservation Research Office Department of National Parks, Wildlife and Plant Conservation	Thailand	voradol@yahoo.com
Tanawat Chaowasku	Department of Biology, Faculty of Science, Chiang Mai University	Thailand	craibella@hotmail.com
Kwek Yan Chong	Department of Biological Sciences, National University of Singapore	Singapore	kwek@nus.edu.sg
Kuo-Fang Chung	Biodiversity Research Center, Academia Sinica	China	bochung@gate.sinica.edu.tw
Daniele Cicuzza	University Brunei Darussalam	Brunei	dcicuzza@gmail.com
Ruth Clark	Royal Botanic Gardens, Kew	UK	r.clark@kew.org
Mark Coode	Royal Botanic Gardens, Kew	UK	sandy.mark@btinternet.com
Dedy Darnaedi	Research Center for Biology - LIPI	Indonesia	dedydarnaedi@rocketmail.com
Ed de Vogel	Naturalis Biodiversity Center and Hortus botanicus Leiden	Netherlands	eduard.devogel@naturalis.nl
Erickson Dela Pena			ericksondelapena@yahoo.com
Jennifer Demuria	Alta Terra	Netherlands	jendemuria@gmail.com
Rudolph Valentino Docot			dukerudolph@gmail.com
Robyn Drinkwater	Royal Botanic Garden Edinburgh	UK	r.drinkwater@rbge.org.uk
Anne Dubéarnès	Trinity College Dublin, Botany Department	Ireland	dubearna@tcd.ie
Charlotte Elmido	University of the Philippines Baguio	Philippines	elmido_charlotte@yahoo.com
Sangmi Eum	Korea Research Institute of Bioscience and Biotechnology	Korea	sangeum@gmail.com
Peter Fritsch	Botanical Research Institute of Texas	USA	pfritsch@brit.org
David Frodin	Royal Botanic Gardens, Kew	UK	david.frodin@cantab.net
Long-Fei Fu	Guangxi Institute of Botany	China	longfeifu@126.com
Kazumi Fujikawa	The Kochi Prefectural Makino Botanical Garden	Japan	saussure@makino.or.jp

Name	Institute	Country	Contact
Janet Gagul	Australian Tropical Herbarium, James Cook University, Australia; College of Marine and Environmental Sciences, James Cook University, Australia; Biological Sciences, University of Papua New Guinea	Papua New Guinea	janet.gagul@my.jcu.edu.au
Dina Gallick	The Eden Project	UK	dgallick@edenproject.com
Louise Galloway	Royal Botanic Garden Edinburgh	UK	l.galloway@rbge.org.uk
S.K. Ganesan	Royal Botanic Garden Edinburgh/National Parks Singapore	UK/Singapore	s.ganesan@rbge.ac.uk
David Gill	Fauna & Flora International	UK	david.gill@fauna-flora.org
Deden Girmansyah	Herbarium Bogoriense	Indonesia	deden_bo@yahoo.com
Rusea Go	Universiti Putra Malaysia	Malaysia	rusea@upm.edu.my
William Gruezo	University of the Philippines Los Baños/Asia Life Sciences	Philippines	asialifesciences@yahoo.com
Aida Gruezo	Asia Life Sciences	Philippines	asialifesciences@yahoo.com
Ida Haerida	Research Center for Biology - LIPI	Indonesia	ihaerida@gmail.com
Ida Haerida	Indonesian Institute of Sciences, Herbarium Bogoriense	Indonesia	ihaerida@gmail.com
Thomas Hamann	Naturalis Biodiversity Center	Netherlands	tdhamann@ziggo.nl
Carmelita Hansel	Mindanao State University	Philippines	carmelita_hansel@yahoo.com
Ko Harada	Ehime University	Japan	kharada@agr.ehime-u.ac.jp
Eddy Nurtjahya Budi Hartono	Universitas Bangka Belitung	Indonesia	eddy_nurtjahya@yahoo.com
Shauna Hay	Royal Botanic Garden Edinburgh	UK	s.hay@rbge.org.uk
Charlie Heatubun	Universitas Papua	Indonesia	charlie_deheatboen@yahoo.com
Jacqueline Heckenhauer	Department of Botany and Biodiversity Research, University of Vienna	Austria	jacqueline.heckenhauer@univie.ac.at
Jer-Ming Hu	National Taiwan University	Taiwan	jmhu@ntu.edu.tw
Mark Hughes	Royal Botanic Garden Edinburgh	UK	m.hughes@rbge.org.uk
Prima Hutabarat	Center for Plant Conservation - Bogor Botanical Garden, Indonesian Institute of Sciences (LIPI)	Indonesia	hutabaratpwk@gmail.com
Shelley James	iDigBio, Florida Museum of Natural History	USA	sames@flmnh.ufl.edu
Vlasta Jamnický	Royal Botanic Garden Edinburgh	UK	v.jamnicky@rbge.org.uk
Tiberius Jimbo	Papua New Guinea Forest Research Institute	Papua New Guinea	tjimbo2@gmail.com
Robert Johns	Royal Botanic Gardens, Kew	UK	c/o t.utteridge@kew.org
Avelinah Julius	Forest Research Institute Malaysia	Malaysia	plagiove180@yahoo.com
Abdulrohman Kartonegoro	Research Center for Biology – LIPI	Indonesia	mykwini@gmail.com
Paul J.A. Kessler	Hortus botanicus Leiden	Netherlands	p.j.a.kessler@hortus.leidenuniv.nl
Yulita Kusamadewi	Research Centre for Biology-Indonesian Institute of Sciences	Indonesia	yulita.kusamadewi@gmail.com
Natividad Lacdan	University of the Philippines Manila	Philippines	nlf2662@yahoo.com
Anthony Lamb	Sabah Forest Department	Malaysia	antheahkphillips@hotmail.com
Aida Lapis	Ecosystems Research and Development Bureau	Philippines	acbl2002@yahoo.com
Liz Leith	Royal Botanic Garden Edinburgh	UK	l.leith@rbge.org.uk
Stuart Lindsay	Gardens by the Bay	Singapore	stuart.lindsay@gardensbythebay.com.sg
Virgilio Linis	University of New England	Australia	virgiliolinis@gmail.com
Eve Lucas	Royal Botanic Gardens, Kew	UK	e.lucas@kew.org
David Mabblerley	Wadham College, University of Oxford; Macquarie University, Sydney, Australia.	UK/Australia	david_mabblerley@yahoo.co.uk
Siti Munirah Mat Yunoh	Forest Research Institute Malaysia (Research Officer) & Royal Botanic Garden Kew (Honorary Research Associate)	Malaysia	sitimunirah@frim.gov.my
Livia May	ETH Zürich, Switzerland/ Royal Botanic Gardens, Kew	Switzerland	lilmay@student.ethz.ch
John McNeill	Royal Botanic Garden Edinburgh	UK	J.McNeill@rbge.org.uk
Melanie Medecilo	De La Salle University - Dasmariñas	Philippines	lanie_medecilo@yahoo.com
David Middleton	Singapore Botanic Gardens	Singapore	david_middleton@nparks.gov.sg
Chuck Miller	Missouri Botanical Garden	USA	chuck.miller@mobot.org
Jamilah Mohd Salim	Universiti Malaysia Terengganu	Malaysia	jamilah@umt.edu.my
Alison Moore	Royal Botanic Gardens, Kew	UK	a.moore@kew.org
Alexandra Muellner-Riehl	Leipzig University & German Centre for Integrative Biodiversity Research (iDiv)	Germany	muellner-riehl@uni-leipzig.de
Erizal Mukhtar	Andalas University	Indonesia	erimukh@yahoo.com
Nasril Nasir	Andalas University	Indonesia	nasri1nasir54@gmail.com
Mark Newman	Royal Botanic Garden Edinburgh	UK	m.newman@rbge.org.uk
Hetty Ninnis	The Eden Project	UK	hninnis@edenproject.com
Sławomir Nowak	University of Gdansk	Poland	slawomir.nowak@ug.edu.pl
Nurainas	Andalas University	Indonesia	nas_herb@yahoo.com
Maksim Nuraliev	Moscow State University	Russia	max.nuraliev@gmail.com
Lucie Oldale	The Eden Project	UK	loldale@edenproject.com
Sara Oldfield	IUCN Global Trees Specialist Group	UK	sara.oldfield@bgci.org

Name	Institute	Country	Contact
Jay Edneil Olivar	University of Santo Tomas	Philippines	jayedneiloliv07@gmail.com
Roderic Page	University of Glasgow	UK	r.page@bio.gla.ac.uk
Jin Hyub Paik	Korea Research Institute of Bioscience and Biotechnology (KRIBB)	Korea	herbary55@hotmail.com
Caroline Pannell	Department of Plant Sciences, Oxford and Queen's University	UK	carolinemannell@gmail.com
Lyn Paraguison	University of Santo Tomas	Philippines	lyn.paraguison_2016@yahoo.com
Barbara Parris	Fern Research Foundation	New Zealand	barbara2parris@gmail.com
Pieter Pelser	University of Canterbury – School of Biological Sciences	New Zealand	pieter.pelser@canterbury.ac.nz
Collin Pendry	Royal Botanic Garden Edinburgh	UK	c.pendry@rbge.org.uk
Darin Penneys	University of North Carolina Wilmington	USA	penneysd@uncw.edu
Toby Pennington	Royal Botanic Garden Edinburgh	UK	t.pennington@rbge.org.uk
Anthea Phillipps	Sabah Forest Department	Malaysia	antheahkphillipps@hotmail.com
Cosmo Phillipps	Borneo Research Consultants	UK	quentinphillipps@gmail.com
Honor Phillipps	Borneo Research Consultants	UK	quentinphillipps@gmail.com
Quentin Phillipps	Borneo Research Consultants	UK	quentinphillipps@gmail.com
Lisa Pokorny	Royal Botanic Gardens, Kew	UK	L.Pokorny@kew.org
John Porter	The Eden Project	UK	jporter@edenproject.com
Axel Dalberg Poulsen	Royal Botanic Garden Edinburgh	UK	axel@dalbergpoulsen.com
Carmen Puglisi	Royal Botanic Garden Edinburgh	UK	c.puglisi@rbge.org.uk
John Peter Quakenbush	University of the Philippines, Los Baños	Philippines	j.peter.quakenbush@gmail.com
Maria Elena Ragragio	Department of Biology, University of the Philippines-Manila	Philippines	lenmragragio@gmail.com
Sri Rahayu	Center for Plant Conservation Botanic Gardens – Indonesian Institute of Sciences (LIPI)	Indonesia	srirahayukrb@yahoo.com
Subhani Ranasinghe	Royal Botanic Garden Edinburgh	UK	S.Ranasinghe@rbge.org.uk
Ruby Raterta	Department of Science and Technology-Philippine Council for Industry, Energy and Emerging Research and Development	Philippines	ruby110@gmail.com
Duncan Reddish	Royal Botanic Garden Edinburgh	UK	d.reddish@rbge.org.uk
Katja Rembold	University of Göttingen	Germany	Katja.Rembold@forst.uni-goettingen.de
James Richardson	Royal Botanic Garden Edinburgh	UK	j.richardson@rbge.org.uk
Malin Rivers	Botanic Gardens Conservation International	UK	malin.rivers@bgci.org
Michele Rodda	Singapore Botanic Gardens Herbarium	Singapore	rodda.michele@gmail.com
Jens G. Rohwer	University of Hamburg	Germany	Jens.Rohwer@uni-hamburg.de
Louise Ronse de Craene	Royal Botanic Garden Edinburgh	UK	L.RonsedeCraene@rbge.ac.uk
Marco Roos	Naturalis Biodiversity Center	Netherlands	Marco.Roos@naturalis.nl
Rosario Rubite	University of the Philippines	Philippines	rosariorubite@yahoo.com
Saroj Ruchisansakun	Naturalis Biodiversity Center	Netherlands	saroj.ruchisansakun@naturalis.nl
Sommanussa Saengrit	The Forest Herbarium, Bangkok	Thailand	sommanussa@gmail.com
Martin Sands	Royal Botanic Gardens, Kew	UK	martin.sands331@outlook.com
Yessi Santika	Research Center for Biology - LIPI	Indonesia	santikaye@gmail.com
Rismita Sari	James Cook University	Australia	mita_krb@yahoo.com
Leng Guan Saw	Forest Research Institute Malaysia	Malaysia	sawlg@frim.gov.my
Jan Schnitzler	University of Leipzig	Germany	jan.schnitzler@uni-leipzig.de
Andre Schuiteman	Royal Botanic Gardens, Kew	UK	a.schuiteman@kew.org
Lesley Scott	Royal Botanic Garden Edinburgh	UK	l.scott@rbge.org.uk
Joeni Setijo Rahajoe	Research Center for Biology - LIPI	Indonesia	joenir@indo.net.id
Salwa Shahimi	University of Reading	UK	s.b.shahimi@pgr.reading.ac.uk
Sukontip Sirmongkol	The Forest Herbarium, Bangkok, Thailand/ Trinity College Dublin	Thailand/Ireland	ssirimongkol@outlook.com
Erik Smets	Naturalis Biodiversity Center	Netherlands	Erik.Smets@naturalis.nl
Sy Sohmer	Smithsonian Institution	USA	shsohmer@gmail.com
Joeri Sergej Strijk	College of Forestry, Guangxi University	China	jsstrijk@hotmail.com
Somran Suddee	The Forest Herbarium, Bangkok	Thailand	somrans@hotmail.com
Alex Summers	Cambridge University Botanic Garden	UK	aes59@cam.ac.uk
Nanthawan Suphuntee	The Forest Herbarium, Bangkok	Thailand	nsuphuntee@yahoo.com
Sasivimon Swangpol	Department of Plant Science, Faculty of Science, Mahidol University	Thailand	sasivimon.swa@mahidol.edu
Syamsuardi	Andalas University	Indonesia	anes82@gmail.com
Daniel Thomas	Singapore Botanic Gardens	Singapore	daniel_thomas@nparks.gov.sg
Visotheary Ung	National Museum of Natural History	France	visotheary.ung@mnhn.fr
Timothy Utteridge	Royal Botanic Gardens, Kew	UK	t.utteridge@kew.org
JeF Veldkamp	Naturalis Biodiversity Center	Netherlands	jef.veldkamp@naturalis.nl
Brenda R. Villacanas-Petersen	Holy Infant College, Utap Hills, Tacloban City	Philippines	clausbrenda@yahoo.com
Kerry S. Walter	Royal Botanic Garden Edinburgh	UK	k.walter@rbge.org.uk
Wita Wardani	Indonesian Institute of Sciences	Indonesia	wt.wardani@gmail.com

<b>Name</b>	<b>Institute</b>	<b>Country</b>	<b>Contact</b>
Emily Warschefsky	Florida International University & Fairchild Tropical Botanic Garden	USA	ewars001@fiu.edu
Campbell Webb	Arnold Arboretum of Harvard University	USA	cam_webb@yahoo.com
Lucy Wenger	The Eden Project	UK	lwenger@edenproject.com
Tony Whitten	Fauna and Flora International	UK	Tony.Whitten@fauna-flora.org
Peter Wilkie	Royal Botanic Garden Edinburgh	UK	p.wilkie@rbge.org.uk
Wei-Bin Xu	Guangxi Institute of Botany, Guangxi Zhuang Autonomous Region and Chinese Academy of Sciences	China	gxibwbxu@163.com
T.Y. Aleck Yang	National Museum of Natural Science, Taiwan	Taiwan	aleck@mail.nmns.edu.tw
Jing Wei Yap	Royal Botanic Gardens, Kew	UK	yapjingwei@yahoo.com
Helen Yeats	Royal Botanic Garden Edinburgh	UK	h.yeats@rbge.org.uk
Ling Chea Yiing	Sarawak Forestry Corporation	Malaysia	cyling@sarawakforestry.com
Renyong Yu	Naturalis Biodiversity Center	Netherlands	millionsyu@gmail.com