



Organizing Committee

Dr. Thomas von Rintelen (Museum für Naturkunde, Berlin)
 Dr. Evy Arida (Indonesian Institute of Sciences, Research Center for Biology, Bogor)
 Dr. Hendrik Freitag (Ateneo de Manila University, Manila)
 Dr. Lukas Rüber (Naturhistorisches Museum, Bern)
 Dr. Mirza Kusriani (Bogor Agricultural University)

Scientific Committee

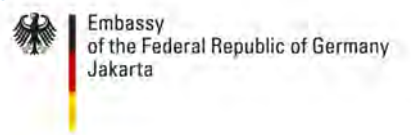
Dr. David Gower (Natural History Museum, London)
 Prof. Douglas Haffner (Great Lakes Research Institute, Windsor)
 Prof. Robert Hall (Royal Holloway, London)
 Dr. Kenneth Johnson (Natural History Museum, London)
 Dr. Alice Hughes (Xishuangbanna Tropical Botanical Garden)
 Prof. Djoko Iskandar (Bandung Institute of Technology)
 Prof. Peter Ng (National University of Singapore)
 Prof. James Russell (Brown University, Providence, RI)
 Prof. Ferry Slik (Xishuangbanna Tropical Botanical Garden)

Organized by



museum für
 naturkunde
 berlin

Sponsored by



www.sage2017.org



SAGE 2017

3rd Southeast Asian Gateway Evolution Meeting
 August 28-31, Bogor, Indonesia

SAGE 2017 Conference Program and Abstracts



Conference Program and Abstracts



1



Patterns of Biodiversity

Organizer: Dr. Hendrik Freitag

2



Natural History Stories

Organizer: Dr. Thomas von Rintelen

3



SE Asian Molluscs: Biodiversity, Biogeography, Ecology and Evolution

Organizers: Ayu Nurinsiyah & Dr. Liew Thor Seng

4



Biogeography and Evolution of Lepidoptera in South-East Asia - classic hypotheses and new insights

Organizers: Dr. Djunijanti Peggie & Dr. Christoph Häuser

5



Ancient Lakes - natural laboratories for integrated studies on geological and biological evolution

Organizers: Dr. Björn Stelbrink & Dr. Hendrik Vogel

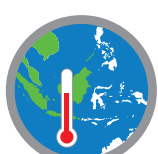
6



Biodiversity and Health

Organizers: Prof. Alexandra Muellner-Riehl, Dr. Jan Schnitzler & Prof. Ludger Wessjohann

7



Understanding the impact of the glacial maxima on the biogeography of Sundaland and insular SE Asia

Organizer: Dr. Alice Hughes

8



Hominin dispersal into Southeast Asia - Evidence, paleoecological framework and modelling

Organizer: Dr. Hanneke Meijer

Origins of the South East Asian Rainforest

Organizer: Dr. Robert Kooyman



9

How Natural and Human-mediated Species dispersals Shaped the Biogeography of Island Southeast Asia

Organizers: Dr. Laurent Frantz, Dr. James Haile & Prof. Greger Larsen



10

New Biomonitoring Techniques for SE Asia

Organizers: Dr. Catharina Karlsson & Prof. Rudolf Meier



11

Conservation Genetics of Fauna and Flora across the Southeast Asian Gateway

Organizer: Dr. Evy Arida



12

General session



G

How to proceed towards progress and sustainable cooperation in biodiversity research in Southeast Asia?

Organizer: Dr. Evy Arida



W

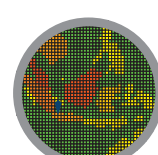
Biogeography Initiation of ASEAN Malacological Society - towards a better understanding of molluscan diversity in SE Asia

Organizers: Ristiyanti M. Marwoto & Prof. Aileen Tan Shau Hwai



Fundamentals of GIS for ecology, and species distribution modeling workshop

Instructor: Dr. Alice Hughes



SAGE 2017

**3rd Southeast Asian Gateway Evolution Meeting
August 28-31, Bogor, Indonesia**

Conference Program and Abstracts

Research Center for Biology, Indonesian Institute of Sciences

**Museum für Naturkunde –
Leibniz Institute for Research on Evolution and Biodiversity**





This work is licensed under the Creative Commons Attribution-NonCommercial-NoDerivs 3.0 Unported License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-nc-nd/3.0/>.



Publisher: Research Center for Biology, Indonesian Institute of Sciences

Editors: Evy Arida and Thomas von Rintelen

Design and layout: Andreas Wessel & Björn Stelbrink

Printed by CV. Media Aksara, Bogor (<http://www.mediaaksara.co.id>)

Contents

Welcome to SAGE 2017	5
Greetings from the host institutions	6
General Information	8
Instructions for Presenters	10
Special Events	11
Program Summary	12
Workshops	13
Detailed Program	14
Abstracts	23
List of Delegates	243
Author Index	252

Instructions for Presenters

Oral presentations

Time slots for regular talks will be 15 mins (12+3), keynote speakers will have 30 mins (25+5).

We would rather prefer if we could avoid switching between systems within a session, so we would request Mac users to please create a presentation that will run smoothly on a PC. The preferred file format for presentations is Microsoft Powerpoint, PDF presentations are also acceptable. Please contact the conference desk if you wish to check whether your presentation runs smoothly on our computers.

We will run two parallel sessions with oral presentations throughout the meeting and in order to permit people to smoothly switch between sessions, we must request you not to exceed the time slot allocated to your presentation. Session chairs will strictly enforce the time limit.

Please give us a copy of your presentation at the earliest possible time. Please contact the support staff in the seminar rooms for uploading your talk onto our computers. At the very latest, we must have it before 30 mins before the respective sessions

Posters

Posters must be in portrait orientation and should not exceed A0 format (c. 84x119 cm). The official poster presentation will take place on Tuesday, August 29. Please put up your poster at the earliest possible time, so that SAGE delegates will have a chance to see the posters before the poster session during the breaks on Monday and Tuesday.

Adhesive pads for fixing your poster onto the poster boards are available at the conference desk.

Just before the classical poster session, you will have the chance to highlight the core message of your poster in a 'Quickfire Poster Session'. If you have not yet done so, please prepare a single Powerpoint slide for presentation in one minute or less.

We will need your slide before 13.15 on Tuesday at the very latest.

Special Events

Icebreaker

Sunday, August 27, 15.00-18.00, Museum Zoologicum Bogoriense

The Museum Zoologicum Bogoriense (MZB) was founded in 1894 and is with more than 2 million objects in the scientific collection the largest collection of its kind in Southeast Asia. MZB is part of the Research Center for Biology of the Indonesian Institute of Sciences (LIPI). The collections were moved to the present facility at LIPI's Cibinong Science Center in 1997. Tours to the collections will be offered during the ice breaker.

Shuttle buses from Salak Tower Hotel will leave at 14.00.

Poster Session and Fingerfood

Tuesday, August 29, 18.30-20.00, Salak Tower Hotel (Room *Himalaya 5*, 6th floor)

Present your poster and take the chance to socialize while enjoying some Indonesian snacks. Beer can be purchased from the hotel.

Conference Dinner (by reservation only)

Thursday, August 31, 19.00-22.00, de Leuit restaurant, Jalan Pakuan 3, Bogor

We meet in front of Salak Tower Hotel at 18.15 – our shuttle bus departs at 18.30.

De Leuit is well known for its selection of traditional Sundanese (West Javan) dishes. A decent selection of non-alcoholic drinks is included, beer can be purchased from the restaurant.

Post-Conference Excursions

Friday, September 1

We are offering two post-conference excursions (Cibodas Botanical Garden and Thousand Islands) that will start from Salak Tower Hotel. For current information on these excursions please visit the SAGE website: www.sage2017.org/social-events.htm. If you pre-booked an excursion, please pay the fee directly to the tour operator, who will be present at the conference office throughout the meeting. Please do also approach the tour operator in case you decide to join a tour whilst attending the conference.

SAGE 2017

**3rd Southeast Asian Gateway Evolution Meeting
August 28-31, Bogor, Indonesia**

Abstracts

Fauna in the Javanese culture

Eddy Nurtjahya¹, Nila Soffiyana¹ & Christiatmanta²

¹Universitas Bangka Belitung, Indonesia

²Pemerhati Budaya, Solo, Indonesia

Various animal species commonly featuring in the life of Javanese in Central Java and Yogyakarta provinces have been studied. To collect the faunal diversity in the daily life of nearly 35 million people in those provinces, a literature review was conducted. The Javanese books for elementary school, junior high school and senior high school, including song book, were reviewed. At least 120 species of nearly 13 classes – with mammals (25%) and insects (21%) being the two largest groups – of which 93,5% are terrestrial species and 67,4% vertebrates were recorded. As much as 92 species have a local name for their offspring, up to 38 species are used to identify human body language or human relationships, and their local name is based on their voice. There are local names for at least 5 inbred animals, and different words to call animals. Besides, 30 species were mentioned in about 25 traditional songs and puzzles, 21 species have local name synonyms, and at least 13 species are used in Javanese proverbs.

M	1
	2
U	3
	4
S	5
	6
O	7
	8
P	9
	10
M	11
	12
Y	
	G
S	W

List of Delegates

Abd Mutalib, Aini Hasanah	Universiti Sains Malaysia, Penang, Malaysia	ainihasanah.am@gmail.com
Abdul Kadar, Nazia	Universiti Malaysia Sabah, Kota Kinabalu, Malaysia	nazia@ums.edu.my
Amarga, Ace Kevin	University of the Philippines Los Banos, Philippines	ace_amarga061@yahoo.com
Ambarwati, Reni	Universitas Negeri Surabaya, Indonesia	reniambarwati@unesa.ac.id
Andayani, Noviar	Wildlife Conservation Society, Bogor, Indonesia	nandayani@wcs.org
Ang, Yuchen	Lee Kong Chian Natural History Museum, National University of Singapore, Singapore	nhmay@nus.edu.sg
Annawaty	Tadulako University, Palu, Indonesia	Annawaty09@gmail.com
Arida, Evy	Museum Zoologicum Bogoriense, Indonesia	evya001@lipi.go.id
Arif, Johan	Institut Teknologi Bandung, Indonesia	johan@gc.itb.ac.id
Arifin, Umilaela	Centrum für Naturkunde, Universität Hamburg, Germany	umilaela@gmail.com
Arnejo Bedoya, Nelieta	Mindanao State University, Marawi City, Philippines	nel_mcbed@yahoo.com
Baharuddin, Nursalwa	Universiti Malaysia Terengganu, Kuala Terengganu, Malaysia	nursalwa@gmail.com
Baloglu, Bilgenur	National University of Singapore, Singapore	bilgenurb@gmail.com
Banag, Cecilia	University of Santo Tomas, Manila, Philippines	ceciliabanag@gmail.com
Batomalague, Gizelle	Drexel University, Philadelphia, USA	gab76@drexel.edu
Bigcas, Evelyn	Mindanao State University, Marawi, Philippines	eve1411@yahoo.com
binti Murdin, Norizati	Institute for Tropical Biology and Conservation, Tamparuli, Malaysia	norizatimurdin@gmail.com
Brown, Rafe	University of Kansas Biodiversity Institute, Lawrence, USA	rafe@ku.edu
Cai, Yacheng	Sun Yat-sen University, Guangzhou, China	caiych7@mail2.sysu.edu.cn
Chan, Kin Onn	University of Kansas, Lawrence, United States	kin_onn@yahoo.com
Chellaiah, Darshanaa	Monash University Malaysia, Selangor, Malaysia	dche57@student.monash.edu
Choi, Ahyun	Ewha Womans University, Seoul, South Korea	tldkdnjscb@gmail.com
Chong, Ju Lian	Universiti Malaysia Terengganu, Kuala Terengganu, Malaysia	julianchong78@gmail.com
Clements, Gopalasamy Reuben	Sunway University, Bandar Sunway, Malaysia	reuben@rimbaresearch.org

Cobb, Alex	Singapore-MIT Alliance for Research and Technology, Singapore	alex.cobb@smart.mit.edu
Coolen, Marco	Curtin University, Bentley, Australia	Marco.Coolen@curtin.edu.au
Crayn, Darren	Australian Tropical Herbarium, James Cook University, Smithfield, Australia	darren.crayn@jcu.edu.au
Crowe, Sean	Sean Crowe, Vancouver, Canada	sean.crowe@ubc.ca
de Chavez, Emmanuel Ryan	University of the Philippines Los Baños, Philippines	radixquad@yahoo.com
de Jong, Rienk	Naturalis Biodiversity Center, Leiden, Netherlands	rienk.dejong@naturalis.nl
Dechruksa, Wivitchuta	Silpakorn University, Mueang, Thailand	wivitcuta@gmail.com
Delocado, Emmanuel	Ateneo de Manila University, Quezon City, Philippines	edelocado@ateneo.edu
Dewi, Kartika	RC. Biology-LIPI, Cibinong, Indonesia	kartika_mzb@yahoo.co.id
Diesmos, Mae Lowe	University of Santo Tomas, Manila, Philippines	maediesmos@gmail.com
Docot, Rudolph Valentino	University of Santo Tomas, Makati City, Philippines	dukerudolph@gmail.com
Dommain, René	University of Potsdam, Germany	rene.dommain@gmx.de
Draisma, Stefano	Excellence Center for Biodiversity of Peninsular Thailand, Hat Yai, Thailand	sgadraisma@yahoo.com
Dumrongrojwattana, Pongrat	Department of Biology, Faculty of Science, Burapha University, Chonburi, Thailand	oldsnails@hotmail.com
Dwijaya, Bayu Awifan	Jenderal Soedirman University, Bekasi, Indonesia	bayu.goldha@gmail.com
Ebrahim, Mohammad Imran	Universiti Malaysia Sabah, Kota Kinabalu, Malaysia	mran930801@gmail.com
Fan, Qiang	Sun Yat-Sen University, Guangzhou, China	fanqiang@mail.sysu.edu.cn
Fardiansah, Riko	Jambi University, Jambi, Indonesia	fleurico379@gmail.com
Fauzia, Hatta	Universitas Negeri Malang, Indonesia	hatta_fauzia@yahoo.de
Foo, She Fui	Institute Tropical Biology and Conservation, Kota Kinabalu, Malaysia	rainea_92@hotmail.com
Foon, Junn	Institute for Tropical Biology and Conservation, Universiti Malaysia Sabah, Kota Kinabalu, Malaysia	jkfoon.research@gmail.com
Frantz, Laurent	Queen Mary University London, London, United Kingdom	laurent.frantz@gmail.com
Freitag, Hendrik	Ateneo de Manila University, Quezon City, Philippines	hfreitag@ateneo.edu
Galan, Gloria	Central Mindanao University, Maramag, Philippines	glorialonopgalan2013@gmail.com

Garces, Jhoana	Ateneo de Manila University, Quezon City, Philippines	jhoana.garces@obf.ateneo.edu
Gasso, Eulalia	Naturalis Biodiversity Center, Leiden, Netherlands	eulalia.gassomiracle@naturalis.nl
Gazo, Shenly Marie	Far Eastern University, Manila, Philippines	smgazo@feu.edu.ph/shengazo@gmail.com
General, David Emmanuel	University of the Philippines Los Banos Museum of Natural History, Los Banos, Laguna, Philippines	dmgeneral@up.edu.ph
Gower, David	The Natural History Museum, London, UK	d.gower@nhm.ac.uk
Greke, Kristine	Independent scientist, Dzidrinas, Latvia	k.greke@gmail.com
Grismer, L. Lee	La Sierra University, Riverside, USA	lgrismer@lasierra.edu
Grootaert, Patrick	Royal Belgian Institute of Natural Science, Brussels, Belgium	pgrootaert@yahoo.co.uk
Guicking, Daniela	University of Kassel, Germany	guicking@uni-kassel.de
Haas, Alexander	Center for Natural History, Universität Hamburg, Germany	alexander.haas@uni-hamburg.de
Hall, Robert	SE Asia Research Group, Egham, Surrey, UK	robert.hall@rhul.ac.uk
Hamilton, Rebecca	The Australian National University, Acton, Australia	rebecca.hamilton@anu.edu.au
Handika, Heru	Museum Victoria, Australia, North Melburne, Australia	handika.heru@gmail.com
Hani, Ishlahuda	University of Malaya, Kuala Lumpur, Malaysia	islah.hani@gmail.com
Hariyadi, Muhammad Taufik	PT East West Seed Indonesia, Purwakarta, Indonesia	mtaufik.hariyadi@panahmerah.id
Harms, Danilo	Zoological Museum Hamburg, Germany	danilo.harms@uni-hamburg.de
Hausdorf, Bernhard	Zoological Museum, University of Hamburg, Germany	hausdorf@zoologie.uni-hamburg.de
Häuser, Christoph	Museum für Naturkunde, Berlin, Germany	christoph.haeuser@mfn-berlin.de
Herr, Mark	University of Kansas, Lawrence, Kansas, USA	mwherr@gmail.com
Hertwig, Stefan T.	Natural History Museum Bern, Bern, Switzerland	stefan.hertwig@nmbe.ch
Hilgers, Leon	Museum für Naturkunde, Berlin, Germany	Leon.Hilgers@mfn-berlin.de
Hinsinger, Damien	Guangxi University, Nanning, PR China	damien.hinsinger@gxu.edu.cn
Holzmeyer, Laura	University of Leipzig, Germany	laura.holzmeyer@uni-leipzig.de
Huang, Chih-Wei	Department of Life Science, National Taiwan Normal University, Taipei City, Taiwan	limnoperna@gmail.com
Hubert, Nicolas	Institut de Recherche pour le Développement, Montpellier, France	nicolas.hubert@ird.fr

Hughes, Alice	Xishuangbanna Tropical Botanical Garden, Jinghong, China	ach_conservation2@hotmail.com
Hwang, Wei Song	Lee Kong Chian Natural History Museum/National University of Singapore, Singapore	nhmhws@nus.edu.sg
Indraswari, Karlina	Queensland University of Technology, Indooroopilly Queensland, Australia	k.indraswari@gmail.com
Isnainingsih, Nur Rohmatin	Museum Zoologicum Bogoriense, Research Center for Biology, LIPI, Cibinong, Indonesia	ish_naningsih@yahoo.com
Jaihan, Nawawinan	Department of Biology, Faculty of Science, Burapha University., Chonburi, Thailand	Mook.suga@gmail.com
Jainih, Leonardo	Universiti Malaysia Sabah, Kota Kinabalu, MALAYSIA	leonardojainih@yahoo.com
Jamaluddin, Jamsari Amirul Firdaus	Universiti Sains Malaysia, Minden, Malaysia	jamsari_85@yahoo.com
Jankowski, André	Universität Hamburg, Germany	andre.jankowski@zoologie.uni-hamburg.de
Janssen, Renee	Max Planck Institute for Chemistry, Mainz, Germany	r.janssen@mpic.de
Jeratthitikul, Ekgachai	Department of Biology, Faculty of Science, Mahidol University, Bangkok, Thailand	Ekgachai.jer@mahidol.ac.th
Jirapatrasilp, Parin	Chulalongkorn University, Bangkok, Thailand	parin_ohayo@hotmail.com
Joyce, Elizabeth	Australian Tropical Herbarium, James Cook University, Cairns, QLD, Australia	lizzy.joyce@my.jcu.edu.au
Kaligis, Georis Judri Fontje	Sam Ratulangi University, Manado, Indonesia	fontjekaligis@yahoo.com
Kamaruzaman, Salniza Akmar	Universiti Sains Malaysia, Minden, Malaysia	kamaakmar@gmail.com
Karin, Benjamin	Museum of Vertebrate Zoology, Berkeley, USA	benkarin@berkeley.edu
Karlsson, Catharina	National University of Singapore, Singapore	catharina@catharinakarlsson.com
Kartonegoro, Abdulrokhman	Naturalis Biodiversity Center, Leiden, The Netherlands	abdulrokhman.kartonegoro@naturalis.nl
Kealy, Shimona	Australian National University, Canberra, Australia	shimona.kealy@anu.edu.au
Khurniawan, Sukiato	Institut Teknologi Bandung, Indonesia	kho.sukiato@gmail.com
Kim, Yena	Primate Research Institute, Kyoto University, Inuyama, Japan	wildlife1984@gmail.com
Kirby, Stephen	U.S. Geological Survey, Menlo Park CA, USA	stevenlyle@icloud.com
Kooyman, Robert	Macquarie University, Myocum, Australia	robert.kooyman@mq.edu.au

Krailas, Duangduen	Silpakorn University, Nakhonpathom, Thailand	kduang@gmail.com
Kunte, Krushnamegh	National Centre for Biological Sciences, Bangalore, India	krushnamegh@ncbs.res.in
Lelono, Eko Budi	LEMIGAS, Jakarta, Indonesia	ekobl@lemigas.esdm.go.id
Liew, Thor Seng	Universiti Malaysia Sabah, Kota Kinabalu, Malaysia	thorsengliew@gmail.com
Loh, Rebecca	National University of Singapore, Singapore	rebecca.loh.ker@u.nus.edu
Lohman, David	City College of New York–CUNY, New York, USA	dlohman@ccny.cuny.edu
Louys, Julien	Griffith University, Belconnen, Australia	julien.louys@anu.edu.au
Low, Bi Wei	National University of Singapore, Singapore	biweilow@u.nus.edu
Marwoto, Ristiyanti	RCB - LIPI, Bogor, Indonesia	ristiyanti456@gmail.com
McGuire, Jimmy	University of California, Berkeley, USA	m McGuire@berkeley.edu
Meier, Rudolf	National University of Singapore, Singapore	meier@nus.edu.sg
Meijer, Hanneke	University Museum, University of Bergen, Norway	Hanneke.Meijer@uib.no
Mero, Danilo	Mindanao State University, Marawi City, Philippines	danilo_mero@yahoo.com
Mey, Wolfram	Museum für Naturkunde, Berlin, Germany	wolfram.mey@mfn-berlin.de
Morley, Robert	Palynova/Royal Holloway, Universi- ty of London, Ely, UK	bobmorley100@gmail.com
Morni, Wan Zabidii Wan	Universiti Malaysia Sarawak, Kota Samarahan, Malaysia	wzabidii86@yahoo.com
Moyle, Robert	University of Kansas, Lawrence, USA	moyle@ku.edu
Muellner-Riehl, Alexandra	Leipzig University, Germany	muellner-riehl@uni-leipzig.de
Mulyaningsih, Tri	Faculty of Mathematic and Natural sciences, Mataram University, Indonesia	trimulya@unram.ac.id
Murniasih, Tutik	Research Center for Oceanography- LIPI, DKI Jakarta, Indonesia	tutiic_2000@yahoo.com
Murniati, Dewi Citra	Indonesian Institute of Sciences, Bogor, Indonesia	dewicitra.murniati@yahoo.com
Naelga, John	Xavier University-Ateneo De Cagayan, Cagayan De Oro City, Philippines	Jannaelga@gmail.com
Namchote, Suluck	Silpakorn University, Nakhonpa- thom, Thailand	namchote01@hotmail.com
Narayanan Kutty, Sujatha	National University of Singapore, Singapore	dbssunk@nus.edu.sg
Ng, Ting Hui	Chulalongkorn University, Bangkok, Thailand	ng.tinghui16@gmail.com

Ng, Wei Lun	Sun Yat-sen University, Guangzhou, China	ng.wl85@hotmail.com
Ng, Peter	Lee Kong Chian Natural History Museum, Singapore	peterng@nus.edu.sg
Nimbs, Matthew	Southern Cross University, National Marine Science Centre, Coffs Harbour, Australia	matt.nimbs@gmail.com
Norman, Effa Liyana	Universiti Malaysia Sabah, Kota Kinabalu, Malaysia	effaliyana1993@gmail.com
Nurinsiyah, Ayu Savitri	CeNak (Centrum für Naturkunde), Universität Hamburg, Germany	ayu.savitri.nurinsiyah@studium.uni-hamburg.de
Nurtjahya, Eddy	Universitas Bangka Belitung, Merauwang, Indonesia	eddy_nurtjahya@yahoo.com
Oktaviani, Rahayu	Ewha Womans University, Bogor, Indonesia	rahayu_oktaviani@yahoo.com
Oliver, Paul	Australian National University, Canberra, Australia	paul.oliver@anu.edu.au
Olson, Karen	University of Kansas, Lawrence, USA	olson@ku.edu
Panha, Somsak	Chulalongkorn University, Bangkok, Thailand	somsak.pan@chula.ac.th
Panpong, Sasita	Bhurapha University, Chonburi, Thailand	sasisaget@gmail.com
Parker, Lillian	Smithsonian Institution, Washington, DC, United States	parkerld@si.edu
Pebrianti, Herni Dwinta	Jambi University, Jambi, Indonesia	hernidp13@gmail.com
Peggie, Djunijanti	Zoology Division, RCB - LIPI, Bogor, Indonesia	peggie94@yahoo.com
Perez, Kinsley Meg	University of the Philippines Los Baños, Philippines	kmgperez08@gmail.com
Phanpeng, Laddawan	Silpakorn University, Nakhonpathom, Thailand	the-numwhan_pooh001@hotmail.com
Pholyotha, Arthit	Chulalongkorn University, Bangkok, Thailand	arthitpolyotha@gmail.com
Phon, Chooi Khim	University of Malaya, Kuala Lumpur, Malaysia	nescafechhim@yahoo.com
Phung, Chee-Chean	Institute for Tropical Biology and Conservation, Kota Kinabalu, Malaysia	cheecheanphung@gmail.com
Pili, Arman	University of Santo Tomas, Manila City, The Philippines	armanorncipili@gmail.com
Pitriana, Pipit	LIPI / Museum für Naturkunde Berlin, Germany	pipitpitriana@yahoo.com
Plaza, Jeszianlenn	Mindanao State University-Iligan Institute of Technology, Iligan, Philippines	szianlplaza@gmail.com
Porquis, Heidi	Central Mindanao University, Maramag, Philippines	dingbiocmu@yahoo.com
Prabowo, Romanus Edy	Universitas Jenderal Soedirman, Purwokerto, Indonesia	romanus@unsoed.ac.id

Puspaningrum, Mika Rizki	Institut Teknologi Bandung, Indonesia	mrp676@uowmail.edu.au
Pusparini, Wulan	Wildlife Conservation Society, Bogor, Indonesia	wpusparini@yahoo.com
Quah, Evan	Universiti Sains Malaysia, Georgetown, Malaysia	evanquah@yahoo.com
Rachmat, Heryadi	Geological Museum, Geological Agency, Bandung, Indonesia	heryadirachmat220@gmail.com
Rahayu, Sri	Bogor Botanic Gardens, Indonesian Institute of Sciences, Bogor, Indonesia	srirahayukrb@yahoo.com
Rajaratnam, Gowri	National University of Singapore, Singapore	gowrirajaratnam91@gmail.com
Rama Rao, Suganiya	Sunway University, Subang Jaya, Selangor, Malaysia	12047114@imail.sunway.edu.my
Rheindt, Frank	National University of Singapore, Singapore	dbsrfe@nus.edu.sg
Rønsted, Nina	Natural History Museum of Denmark, Copenhagen, Denmark	nronsted@snm.ku.dk
Rüber, Lukas	Natural History Museum Bern, Switzerland	lukas.ruber@nmbe.ch
Russell, James	Brown University, Providence, USA	James_Russell@Brown.edu
Saen, Ivy Joy	Ateneo de Manila University, Quezon City, Philippines	isaen@ateneo.edu
Salvador, Marina	Ateneo de Manila University, Antipolo City, Philippines	marina.salvador@obf.ateneo.edu
Sanguila, Marites	Father Saturnino Urios University, Butuan City, Philippines	mbsanguila@urios.edu.ph
Sathiya Seelan, Jaya Seelan	Universiti Malaysia Sabah, Kota Kinabalu, Malaysia	seelan80@ums.edu.my
Schnitzler, Jan	Leipzig University, Germany	jan.schnitzler@uni-leipzig.de
Seesamut, Teerapong	Chulalongkorn University, Bangkok, Thailand	d_cubt@hotmail.com
Selveno, Salani	Institute for Tropical Biology and Conservation, Kota Kinabalu, Malaysia	shaliniums@yahoo.com
Setyastuti, Ana	RC Oceanography LIPI, Jakarta, Indonesia	ana.setyastuti@gmail.com
Sil, Maitreya	Indian Institute of Science, Chinsurah, India	maitreya.sil@gmail.com
Simister, Rachel	University of British Columbia, Vancouver, Canada	rlsimister@gmail.com
Siriwut, Warut	Chulalongkorn University, Bangkok, Thailand	boligozx_mix@yahoo.com
Sri Rejeki, Ikeu	IPB/MOEF, Bogor, Indonesia	ikeusrirejeki2013@gmail.com
Srisonchai, Ruttapon	Chulalongkorn University, Bangkok, Thailand	ruttapon60104@yahoo.com
Srivathsan, Amrita	National University of Singapore, Singapore	asrivathsan@gmail.com

Stelbrink, Björn	Justus Liebig University Giessen, Germany	bjoern.stelbrink@allzool.bio.uni-giessen.de
Stevenson, Janelle	Australian National University, Canberra, Australia	janelle.stevenson@anu.edu.au
Strijk, Joeri Sergej	Guangxi University, Nanning, PR China	jsstrijk@hotmail.com
Su, Kathy	National University of Singapore, Singapore	kathysufy@gmail.com
Sularte, Rainer	Caraga State University, Graduate School, Butuan, Philippines	rainersularte2011@gmail.com
Sunardi	PT EAST WEST SEED INDONESIA, Purwakarta, Indonesia	sunardi@panahmerah.id
Sutcharit, Chirasak	Chulalongkorn University, Bangkok, Thailand	jirasak4@yahoo.com
Tan, Heok Hui	National University of Singapore, Singapore, Singapore	heokhui@nus.edu.sg
Tan, Shau Hwai Aileen	Universiti Sains Malaysia, Penang, Malaysia	aileen@usm.my
Telnov, Dmitry	The Entomological Society of Latvia, Rīga, Latvia	anthicus@gmail.com
Tongkerd, Piyoros	Chulalongkorn University, Bangkok, Thailand	piyorse@hotmail.com
Travers, Scott	University of Kansas, Lawrence, USA	stravers@ku.edu
Tsang, Susan	American Museum of Natural History, New York, USA	susan.m.tsang@gmail.com
Undap, Nani Ingrid Jacqueline	Zoological Research Museum Alexander Koenig, Bonn, Germany	n.undap@zfmk.de
Uy, Brooklyn Bernadett	Laguna State Polytechnic University-Los Banos/ University of the Philippines-Los Banos, Philippines	brookie2x@gmail.com
van den Bergh, Gerrit	University of Wollongong, Wollongong, Australia	gert@uow.edu.au
Veeravechsukij, Nuanpan	Silpakorn University, Nakhon Pathom, Thailand	nuanpan_ve@hotmail.com
Vogel, Hendrik	University of Bern, Bern, Switzerland	hendrik.vogel@geo.unibe.ch
Vogt, Philipp	Museum für Naturkunde, Berlin, Germany	philippvogt85@gmail.com
Volmer, Rebekka	University of the Philippines, Diliman, Quezon City, Philippines	rebekka.volmer@gmx.de
von Rintelen, Thomas	Museum für Naturkunde, Berlin, Germany	thomas.rintelen@mfn-berlin.de
Wägele, Heike	Zoological Research Museum Alexander Koenig, Bonn, Germany	h.waegle@zfmk.de
Wafa, Imti Yazil	Indonesia Friends of Nature, NGO, Malang, Indonesia	yajilwafa@gmail.com
Wang, Longyuan	Sun Yat-Sen University, Guangzhou city, China	zhaowy3@mail2.sysu.edu.cn, 470971903@qq.com

Weinell, Jeffrey	Biodiversity Institute and University of Kansas Natural History Museum, Lawrence, United States	jweinell@ku.edu
Welton, Luke	University of Kansas, Lawrence, USA	ljwelton@ku.edu
Wessjohann, Ludger	Leibniz Institute of Plant Biochemistry, Halle (Saale), Germany	wessjohann@ipb-halle.de
Wiemers, Martin	Helmholtz Centre for Environmental Research - UFZ, Leipzig, Germany	martin.wiemers@ufz.de
Wiggering, Benedikt	Center of Natural History - Universität Hamburg, Germany	benedikt.Wiggering@uni-hamburg.de
Wilf, Peter	Pennsylvania State University, University Park, United States	pwilf@psu.edu
Wood, Perry	The University of Kansas, Lawrence, USA	perryleewoodjr@gmail.com
Wowor, Daisy	Research Center for Biology, Indonesian Institute of Sciences, Cibinong, Indonesia	daisy_wowor@yahoo.com
Yahya, Nurulafifah	Institute of Oceanography and Environment, Kuala Nerus, Malaysia	nurulafifah88@gmail.com
Yamahira, Kazunori	University of the Ryukyus, Okinawa, Japan	yamahira@lab.u-ryukyuu.ac.jp
Yeo, Darren	National University of Singapore, Singapore	dbsyeod@nus.edu.sg
Yeong, Kam Cheng	Institute for Tropical Biology and Conservation, Kota Kinabalu, Malaysia	carlyeong@gmail.com
Yi, Yoonjung	Ewha Womans University, Seoul, Korea	getblankget@gmail.com
Zainol, Muhammad Zaki	Universiti Sains Malaysia, Penang, Malaysia	zainolmzaki@gmail.com
Zemp, Clara	University of Göttingen, Germany	dzemp@gwdg.de
Zeng, Yiwen	National University of Singapore, Singapore	zengyiwen@u.nus.edu
Zhou, Renchao	Sun Yat-sen University, Guangzhou, China	zhrench@mail.sysu.edu.cn

Author Index

Ab Rahim	137	Basukriadi	95	Choe	47, 112, 237
Abd Majid	25	Batomalaque	38, 39	Choi	47
Abd Mutalib	25, 106	Batubara	173	Chong	48
Abdul Kadar	26	Bauer, A	107	Christiatmanta	153
Abdurahman	175	Bauer, K	197	Chua	202
Achmadi	80	Bauernfeind	69, 70	Chung	166
Acopiado	206	Bedoya	40	Clements	65, 119, 132
Agudo	52	Bigcas	208	Clews	37
Ahmad	98, 128	Bijaksana	183, 219	Clews	118
Aji	195	Bitera	58	Cobb	49, 60
Al Ryzal	33	Blanco	206	Coode	166
Alexander	45, 138, 157	Blume	89, 188, 228	Coolen	50, 204
Alt	34	Böhringer	105, 213, 225	Coquilla	125
Amama	173	Boon-Hee	85	Costion	235
Amarga	27	Boonmekam	53, 145, 163	Cotton	103
Ambarwati	28	Borres	57	Covert	202
Amoroso	125	Brandt	188	Crayn	104, 166, 235
Ananjeva	226	Britz	182	Crowe	51
Andayani	29, 173	Brown	41, 45, 156, 157, 211, 226, 227, 231	Crowe	197
Ang, A	202	Brumm	216	Cruz	57
Ang, Y	30	Burton	66, 179	Dahrudin	91
Annawaty	31	Busson	91	Das	85, 107, 227
Anuar	75, 174	Cadiz	214	Dawood	63
Aravind	196	Cahyana	155	de Chavez	52, 161, 214
Ardiantiono	173	Cahyani	142	de Jong	54
Arida	32, 33	Cai	42	de Vos	100
Arif	34	Calipusan	43, 208	Dechruksa	53
Arifin	35	Camacho	162	Dela Cruz	126
Aswan	110	Sanchez		Delocado	55
Azmi	48	Castillo	58	Dermavan	135
Baba	166	Chaijirawong	96	Dewi	56
Bachok	233	Chan, JC	57	Dharmawan	195
Backeljau	102	Chan, KO	45, 138	Dialao	105
Baharuddin	36	Chan, L	76	Diasmos, AC	168
Balke	83, 232	Chanabun	102, 191	Diasmos, ML	57, 58, 168
Baloglu	37	Chelliah	46	Docot	59
Banag	59	Chin	44	Dommain	49, 60
Bara	105, 213	Chivas	172	Draisma	61
Barley	226			Dumrongrojwat-	96, 111, 160
Basri	36			tana	

Dwijaya	62	Glos	99	Hertler	221
Dwiyanto	31	Gonzales	58	Hertzner	213, 225
		Gower	73	Hibbett	189, 190
Ebrahim	63	Grand	189	Hilgers	86
Edgecombe	199	Greke	74	Hin	140
Ediza	186	Griffin	166	Hinsinger	87, 205
Eisenbarth	105, 213, 225	Grismer, J	45	Ho	66
Enghoff	201	Grismer, L	45, 75, 174, 227,	Hofreiter	86
Eri	49		231	Hölscher	239
Esselstyn	80	Grootaert	44, 76, 158	Holtum	104
Evin	66	Grudinski	88	Hölzchen	221
		Grudpan	98	Holzmeyer	88, 89, 188, 228
Fahri	31	Grün	216	Hou	118
Fauzia	64	Guicking	77	Hovenkamp	108
Fauziah	152			Hoyt	49
Feng-Yi	177	Haas	35, 85, 99	Hua	79
Ferreras	221	Hadi	142	Huang, CW	90
Fiala	77	Hadiaty	91	Huang, G	148
Fisch	213, 225	Hafiz	195	Hubert	91
Flury	85	Haji Su'ut	49	Hughes	92
Fobofou	228	Hall	66, 78, 113	Hundeshagen	77
Foo, M	30, 76	Hallam	51, 197	Hutama	91
Foo, SF	190	Hamidy	73	Hwang	93
Foon	65	Hamilton	50, 79, 204		
Franke	188, 228	Hampe	100	Idris	233
Frantz	66	Handika	80	Ijong	213, 225
Freitag	55, 67, 68, 69,	Hanner	91	Indraswari	94
	70, 129, 184	Harms	81	Inkhavilay	159
Friese	197	Hartmann	86	Inmadon	96
		Harun	140, 192	Irawan	239
Gabriel	61	Harvey	49	Iskandar	35, 99
Galbusera	66	Harvey	49, 60	Isnaningsih	95, 130
Gan	119	Hassan, M	48	Ivory	204
Gandois	49	Hassan, R	137		
Garces	69, 70	Hauenschild	88	Jackman	107
Gassó	71	Hausdorf	82, 151, 152	Jacob	34
Gazis	189	Häuser	83, 84	Jaihan	96
Gazo	215	Hawkins	162	Jainih	97
General	72	Helgen	162	Jamaluddin	98
Glass	51	Henny	51	Jamsari	77
Glaubrecht	218, 229	Herder	222	Jamsari, FH	25

Jankowski	99	Kurniawan	172, 216	Mandagi	234
Janssen	100, 172	Kusharyoto	141	Mangesa	31
Jeratthitikul	101	Kutty	118	Mansor	238
Jimenez	58	Kwik	121	Manthey	138
Jirapatrasilp	102			Mardiasuti	179
Joordens	100	Labadan	125	Maresca	51
Joshi	103	Laewa	31	Marfil	186
Joyce	104	Lakim	122	Marthasari	141
Justo	189	Lapasang	31	Marwoto	95, 130, 152, 220
		Larson	66		
Kai	49	Laub	188, 228	Maryani	141
Kaligis	105, 213, 225	Leaño	125	Maryati	77
Kallmeyer	51, 197	Lee, PS	119	McGuire	131, 227, 231
Kamalrulzaman	25	Lee, WT	118	Meier	30, 37, 44, 76, 93, 118, 123, 132, 158, 177, 202
Kamaruszaman	25, 106	Lelono	120	Melles	183, 219
Karanth	196	Leonard	162	Mendoza	52
Karin	107	Liao	90	Menolli	189
Karlsson	132	Liew, JH	121, 128	Mero	133
Kartika	142	Liew, TS	65, 122, 167, 178, 236	Metillo	170
Kartonegoro	108			Mey	134, 135
Karunarathna	190	Likhitrakarn	201	Mojica	198
Kealy	109	Lim, HC	138, 162	Mokodongan	234
Keith	91	Lim, N	123	Morley	136
Khurniawan	110	Lim, PE	61	Morlock	219
Khwantong	111	Lim, R	121	Morni	137
Kim, DS	112	Limpanont	147	Moyle	138
Kim, Y	112, 237	Liu, SL	61	Mueller-Riehl	88, 89, 188, 228
Kirby	113	Liu, Y	148	Muhammad	185
Kirton	165	Logramonte	43, 125	Müller	124
Klotz	223	Loh	123	Mulyaningsih	139
Kongim	101	Lohman	124	Mulyati	31
König	105, 213, 225	Lonop-Galan	43, 125, 126, 186	Mumpuni	73
Kooyman	114, 230, 235			Murdin	140
Kottelat	209	Louys	109, 127	Murniasih	141, 142
Koutamanis	100	Low	128	Murniati	143
Krailas	53, 115, 145, 163, 218	Lumbantobing	209	Musel	137
				Muslich	173
Kraus	156	Macdonald	66	Mustaffa	150
Kreft	239	Maldonado	162		
Kunte	103, 116, 117, 123	Mamenta	216		
		Manaloto	129		