

IBD2019

International Conference on Biodiversity (IBD2019)
22-24 May 2019
Centara Grand & Bangkok Convention Centre at CentralWorld, Bangkok

- Conference Program -

Day 1: Wednesday 22 May 2019 - Morning

Venue: World Ballroom	
Time	Program
08.00 – 09.00	Registration
09.00 – 10.00	Her Royal Highness Princess Maha Chakri Sirindhorn arrives to the event and graciously presides over the opening ceremony and listens to the keynote speakers
	Keynote Speaker 1:
	The Phadaeng Botanic Garden: a model for a regenerative tropical botanic garden By Dr. Rachel Warmington Science Team Manager, Eden Project, Cornwall, United Kingdom <u>Co-author:</u> Dr. Michael Maunder , Executive Director and Director of Life Sciences, Non-Executive Director of Eden International, United Kingdom, Mr. Paul M. Stone , Acting Head, Agriculture Section, Eden Project, United Kingdom, Dr. Weerachai Nanakorn , Queen Sirikit Park Foundation, Thailand
	Keynote Speaker 2:
	Technical aspects of mine reclamation in the Rhenish Lignite Basin and possible ways of biodiversity, bioeconomy and public use By Mr. Arie-Johann Heiertz RWE Technology International, Germany <u>Co-author:</u> Prof. Dr. Ulrich Schurr , Director of IBG-2 Plant Sciences Forschungszentrum Jülich, Germany
10.00 – 11.30	Her Royal Highness Princess Maha Chakri Sirindhorn visits the exhibition of IBD2019 (in parallel with participants coffee break during 10.00 – 10.30 and Keynote Forum 1)
	Keynote Forum 1: Sustainable management on biodiversity
10.30 – 11.00	Biodiversity conservation and management in ASEAN By Dr. Theresa Mundita S. Lim Director of ASEAN Center for Biodiversity, the Philippines
11.00 – 11.30	Role of <i>ex situ</i> conservation and wildlife genome banking for conservation By Dr. Pierre Comizzoli Smithsonian Conservation Biology Institute, U.S.A.
11.30 – 12.00	Coral sexual propagation and cryopreservation: an approach to restore coral reefs under the climate change By Dr. Suchana Chavanich Faculty of Science, Chulalongkorn University, Thailand
12.00 – 13.00	Lunch

Day 1: Wednesday 22 May 2019 - Afternoon

Time	Program					
14.00 – 17.00	Ballroom C	Lotus 1-2	Lotus 3-4	Lotus 10	Lotus 11	Lotus 12
	Special Session	Session 1	Session 2	Session 3	Session 4	Session 5
	World botanical garden and <i>ex situ</i> conservation	Sustainable management of biodiversity	BioInnovation from the unseen biodiversity	Biodiversity and health	Animal ecology : vertebrate life in diverse environment	From biodiversity to natural products for drug discovery
17.00 – 18.00	Poster Session					
18.00 – 20.30	Welcome Dinner: Cocktail (Cultural show: Klong Sabad-Chai, Khon (Masked dance-drama), Nat Ta Ya Muay Thai and Ganoptingtong (Mantis folk dance))					

Day 2: Thursday 23 May 2019 – Morning and Afternoon

Time	Program						
08.00 – 09.00	Registration						
	World Ballroom A B		World Ballroom C		Lotus 7		
	Keynote Forum 2: Hotspots on biodiversity and sustainable management		Special Session (continued)		Session 6		
09.00 – 09.30	Sustainable management on biodiversity in Thailand By Prof. Dr. Sanit Aksornkoae Fellow of the Royal Institute, Academy of Science, Thailand		World Botanical garden and <i>ex situ</i> conservation		Frontiers in taxonomy		
09.30 – 10.00	Biodiversity hotspots in Thailand: with a new model of approach for co-management and utilization of micro hotspot in Pattani Bay By Assoc. Prof. Dr. Sukree Hajisamae Prince of Songkla University, Pattani Campus, Thailand						
10.00 – 10.30	Coffee Break						
	Keynote Forum 3: Biodiversity conservation & Climate change		World botanical garden and <i>ex situ</i> conservation		Frontiers in taxonomy		
10.30 – 11.00	Potential climate change impacts on protected areas in Southeast Asia By Prof. Dr. Richard Corlett Director of Center for Integrative Conservation, Xishuangbanna Tropical Botanical Garden, Chinese Academy of Sciences, P.R. China						
11.00 – 11.30	Severe coral bleaching and impacts on biodiversity: the 2014-17 global bleaching event and prospects for the future By Dr. C. Mark Eakin Oceanography & Climatology Division, Marine Ecosystems & Climate Branch, NOAA's Coral Reef Watch Program, U.S.A.						
11.30 – 12.00	Long-term research on biodiversity and ecosystem function in tropical forests By Dr. Stuart J. Davies Director of the Center for Tropical Forest Science-Forest Global Earth Observatory Smithsonian Institute, U.S.A.						
12.00 – 13.00	Lunch						
13.00 – 17.00	Ballroom C	Lotus 7	Ballroom B	Lotus 5-6	Ballroom A	Lotus 11	Lotus 12
	Special Session (continued)	Session 6	Session 7	Session 8	Session 9	Session 10	Session 11
	World botanical garden and <i>ex situ</i> conservation	Frontiers in taxonomy	Habitat-based research (terrestrial, freshwater, marine and others)	Human and wildlife in the Anthropocene	Ecotourism & UNESCO Global Geopark	Ecosystem services and restoration	Impacts of climate change on biodiversity across scales

Day 3: Friday 24 May 2019 – Morning and Afternoon

Venue: World Ballroom	
Time	Program
08.00 – 09.00	Registration
	Keynote Forum 4: Biodiversity utilization
09.00 – 09.30	Natural products based molecules for target and drug discovery in pharmaceutical research By Dr. Frank Petersen Executive Director, Natural Products Unit, Global Discovery Chemistry, Novartis Pharma, Basel, Switzerland
09.30 – 10.00	Saving coral reefs and saving humans lives By Prof. Dr. Bradley S. Moore Scripps Institution of Oceanography, University of California San Diego, U.S.A.
10.00 – 10.30	Coffee Break
	Keynote Forum 5: Bioeconomy & Innovation
10.30 – 11.00	Transforming Thailand -the shift to a sustainable bioeconomy By Prof. Dr. Morakot Tanticharoen Senior Advisor to the President of National Science and Technology Development Agency, Thailand
11.00 – 11.30	Modelling and prediction for sustainable biodiversity By Dr. Emmanuel Paradis IRD Research Director, Institut des Sciences de l'Evolution de Montpellier, France
11.30 – 12.00	GIS ecosystem mapping and modelling By Prof. Dr. Marco Ciolli Department of Civil Environmental and Mechanical Engineering (DICAM) University of Trento, Italy
12.00 – 13.00	Lunch
	Keynote Forum 6: Ecotourism in a global scale
13.00 – 13.30	Making an environment where ecotourism thrives By Mr. Rod Hillman CEO Ecotourism Australia, Australia
13.30 – 14.00	Geotourism models for poverty alleviation in underprivileged areas By Dr. Young Ng Senior Advisor at Danxiashan UNESCO Global Geopark, P.R. China Honorary Advisor at Association for Geoconservation, Hong Kong SAR
14.00 – 14.30	Coffee Break
	Keynote Forum 7: Animal ecology & evolution
14.30 – 15.00	Butterfly vision-another view of our world By Prof. Dr. Kentaro Arikawa Sokendai-Hayama (The Graduate University for Advanced Studies) Department of Evolutionary Studies of Biosystems, Japan
15.00 – 15.30	Non-flying mammal dependent pollination system of Asian <i>Mucuna</i> (Leguminosae) By Dr. Shun Kobayashi Faculty of Science, University of the Ryukyus, Japan
	Special Talk
15.30 – 15.45	Grant opportunities of the National Geographic Society in Asia By Dr. Yannick Kuehl Senior Director, Programs and Explorer Development, National Geographic Society, Hong Kong SAR
15.45 – 16.15	Poster Award Announcement and Closing Ceremony

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Day 1: Wednesday 22 May 2019	
Special Session	
World botanic garden and <i>ex situ</i> conservation	
World Ballroom C	
Chair:	Dr. Weerachai Nanakorn, Committee, H.M. Queen Sirikit Park Foundation, Thailand
Co-Chair:	Dr. Kongkanda Chayamarit, Adviser, The Forest Herbarium, Department of National Parks, Wildlife and Plant Conservation, Thailand
14.00 – 14.30	Royal Botanic Gardens, Kew: from species discovery to conservation By Dr. Timothy M.A. Utteridge Head of Identification & Naming and Asia Team Leader, Royal Botanic Gardens, Kew, Richmond, United Kingdom
14.30 – 15.00	The need for endangered species conservation in the botanical garden of Quito-Ecuador By Mr. Alexander Hirtz Jardin Botanico de Quito, Ecuador
15.00 – 15.30	Coffee Break
15.30 – 16.00	Actual issues of climate changing for the world flora and vegetation By Prof. Leonid V. Averyanov Komarov Botanical Institute of the Russian Academy of Science, Russia
16.00 – 16.30	Role of Chinese Union of Botanical Gardens in native plants conservation By Dr. Huabin Hu Deputy Director of Xishuangbanna Tropical Botanical Garden (XTBG), Chinese Academy of Sciences, P.R. China
16.30 – 17.00	The Habitat Penang Hill: a public-private partnership model for managing key protected areas for ecotourism and generating funding for conservation in Malaysia By Mr. Allen Tan Managing Director, Penang Botanic Gardens, Malaysia

Day 2: Thursday 23 May 2019	
Special Session	
World botanic garden and <i>ex situ</i> conservation	
Chair:	Dr. Piyakaset Suksatan, Acting Deputy Director of Botanical Garden Organization, Thailand
Co-Chair:	Dr. Weerachai Nanakorn, Committee, H.M. Queen Sirikit Park Foundation, Thailand
09.00 – 09.30	How much do we know about the plant diversity of Southeast Asia? By Dr. David Middleton Director of research and conservation, Singapore Botanic Gardens, Singapore
09.30 – 10.00	Strategic roles of botanic gardens in conserving threatened plant species: a case of Indonesia By Dr. Didik Widyatmoko Senior Researcher of the Research Center for Plant Conservation and Botanic Gardens, the Indonesian Institute of Sciences (LIPI), Indonesia
10.00 – 10.30	Science and conservation at the Royal Botanic Garden Edinburgh By Prof. Peter Hollingsworth Director of Science and Deputy Keeper, Royal Botanic Garden Edinburgh, United Kingdom
10.30 – 11.00	Coffee Break
Chair:	Asst. Prof. Dr. Santi Watthana, School of Biology, Institute of Science, Suranaree University of Technology, Thailand
Co-Chair:	Dr. Kongkanda Chayamarit, Adviser, The Forest Herbarium, Department of National Parks, Wildlife and Plant Conservation, Thailand
11.00 – 11.30	Rescuing the endangered tropical plants By Prof. Li Chia-wei Department of Life Science, National Tsing Hua University, Taiwan
11.30 – 12.00	The UBD Botanical Research Centre: collecting, mapping, describing, growing and protecting the Brunei flora By Assoc. Prof. Dr. Johan Willem Frederik Slik The UBD Herbarium, Faculty of Science, Universiti Brunei Darussalam, Brunei Darussalam
12.00 – 13.00	Lunch
Chair:	Dr. Weerachai Nanakorn, Committee, H.M. Queen Sirikit Park Foundation, Thailand
Co-Chair :	Asst. Prof. Dr. Santi Watthana, School of Biology, Institute of Science, Suranaree University of Technology, Thailand
13.00 – 13.30	Pha Tad Ke Botanical Garden, <i>in and ex situ</i> Lao PDR By Mr. Rik Gadella Director, Pha Tad Ke Botanical Garden, Lao PDR
13.30 – 14.00	The Role of botanic gardens in the Philippines in biodiversity conservation By Asst. Prof. Dr. Esperanza Maribel G. Agoo Biology Department De La Salle University, The Philippines
14.00 – 14.30	Conservation of threatened plant in Vietnam By Assoc. Prof. Dr. Hoang Van Sam Vietnam National University of Forestry, Vietnam
14.30 – 15.00	Biodiversity in the Anthropocene - a historical perspective By Prof. Henrik Balslev Department of Bioscience Ecoinformatics and Biodiversity, Aarhus University, Denmark
15.00 – 15.30	Coffee Break

Day 2: Thursday 23 May 2019	
Special Session	
World botanic garden and <i>ex situ</i> conservation	
Chair:	Prof. Henrik Balslev, Department of Bioscience Ecoinformatics and Biodiversity, Aarhus University, Denmark
Co-Chair:	Dr. Kongkanda Chayamarit, Adviser, The Forest Herbarium, Department of National Parks, Wildlife and Plant Conservation, Thailand
15.30 – 16.00	<p>Challenges of a botanical garden in the conservation in a megadiverse country</p> <p>By Mrs. Thais Almeida Rio de Janeiro Botanic Garden, Brazil</p>
16.00 – 16.30	<p>The Botanical Garden of Parque de las Leyendas, Lima, Perú, an oasis of conservation in the middle of the desert</p> <p>By Dr. Guillermo Pino Infante Jardín Botánico del Parque de las Leyendas, Peru</p>
16.30 – 17.00	<p><i>Ex-situ</i> conservation and Sok An-Phnom Kulen Orchid Research and conservation center</p> <p>By Mr. Sam Oeurn Sothy Roth Department of Biodiversity, General Secretariat for Sustainable Development, Ministry of Environment, Cambodia</p>



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Wednesday 22 May 2019	
Parallel Session 1	
Sustainable management of biodiversity	
Lotus Suite 1-2	
Chair:	Dr. Padermsak Jarayabhand, Committee member of the National Biodiversity Committee, Thailand
Co-Chair:	Dr. Vithet Srinetr, National Expert on Biodiversity Conservation, Thailand
14.00 – 14.25	Thailand's national biodiversity management toward post-2020 agenda By Dr. Phirun Saiyasitpanich Deputy Secretary General, Office of Natural Resources and Environment Policy and Planning, Thailand
14.25 – 14.50	Conservation and sustainable management of biodiversity: post-2020 agenda By Dr. Scott Perkin Head, Natural Resources Group, IUCN Asia Regional Office, Thailand
14.50 – 15.15	Biodiversity mainstreaming across agricultural sectors: the role of multi-stakeholder dialogue and engagement in advancing the post-2020 agenda By Dr. Paulo Augusto Lourenço Dias Nunes Global Coordinator of the FAO Biodiversity Mainstreaming Platform FAO, Rome, Italy
15.15 – 15.35	Coffee Break
15.35 – 16.00	Private sector's perspective on biodiversity management By Mr. Mongkon Ponchunchoovong Director of Mineral Resources and Mining Services, Siam Cement Group Public Company Limited, Thailand
16.00 – 16.25	Towards a planet in balance: vision and grants of the National Geographic Society By Dr. Yannick Kuehl Senior Director, Programs and Explorer Development, National Geographic Society, Hong Kong SAR
16.25 – 16.50	Youth voices for biodiversity By Ms. Mika Mei Jia Tan Coordinator, ASEAN Youth Biodiversity Program, ASEAN Centre for Biodiversity and Global Youth Biodiversity Network Southeast Asia, The Philippines

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Parallel Session 2	
BioInnovation from the unseen biodiversity	
Lotus Suite 3-4	
Chair:	Dr. Lily Eurwilaichitr , Thailand Bioresource Research Center (TBRC), BIOTEC, NSTDA, Thailand
Co-Chair:	Dr. Phillipe Desmeth, Belgian Co-ordinated Collections of Micro-organisms (BCCM), Belgium
Part I: Discovering and managing the unseen biodiversity	
14.00 - 14.30	Where are the missing fungi, thought in the molecular era By Prof. Dr. Lei Cai Institute of Microbiology Chinese Academy of Sciences (IMCAS), P.R. China
14.30 – 14.50	Culture collection: managing the unseen biodiversity By Dr. Phillipe Desmeth Belgian Co-ordinated Collections of Micro-organisms (BCCM), Belgium
14.50 – 15.10	Microbial diversity: an undertapped industrial resource By Prof. Dr. Saisamorn Lumyong Chiang Mai University, Thailand
15.10 – 15.30	Hidden diversity of insect fungi and their interaction with insects By Dr. Noppol Kobmoo National Center for Genetic Engineering and Biotechnology (BIOTEC), Thailand
15.30 – 15.50	Coffee Break
Part II: Unlimited potential of biodiversity	
15.50 - 16.20	Bio-conversion technology of chemical production from biomass By Dr. Hiroyuki Inoue National Institute of Advanced Industrial Science and Technology (AIST), Japan
16.20 - 16.40	From biodiversity to microbial-based products for bioremediation By Assoc. Prof. Dr. Onruthai Pinyakong Chulalongkorn University, Thailand
16.40 - 17.00	Microbial enzymes: tools for biotechnological processes By Dr. Thidarat Nimchua National Center for Genetic Engineering and Biotechnology (BIOTEC), Thailand

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Parallel Session 3	
Biodiversity and health	
Lotus Suite 10	
Chair:	Dr. Wanlaya Tipkantha, The Zoological Park Organization under The Royal Patronage of His Majesty The King, Thailand
Co-Chair:	Dr. Boripat Siriaroonrat, The National Science Museum, Thailand
14.00 – 14.30	Biodiversity and health: linking life, ecosystems and societies By Dr. Serge Morand Faculty of Veterinary Technology, Kasetsart University, Thailand
14.30 – 15.00	Wildlife reintroduction for biodiversity and conservation By Dr. Parntep Ratanakorn Faculty of Veterinary Medicine, Mahidol University, Thailand
15.00 - 15.30	Biodiversity loss linked to emerging wildlife diseases By Dr. Katherine Richgels National Wildlife Health Center, USGS ,U.S.A.
15.30 – 15.50	Coffee Break
15.50 - 16.20	Integration of biodiversity conservation in the health sector By Dr. Theresa Mundita S. Lim ASEAN Centre for Biodiversity, The Philippines
16.20 - 16.40	Marine debris and microplastics: impact on biodiversity and health By Dr. Suchana Chavanich Faculty of Science, Chulalongkorn University, Thailand
16.40 - 17.00	Reproductive biotechnology for biodiversity preservation By Dr. Pierre Comizzoli Smithsonian Conservation Biology Institute, U.S.A.

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Parallel Session 4	
Animal ecology : vertebrate life in diverse environment	
Lotus Suite 11	
Chair:	Assist. Prof. Dr. Noppadon Kitana, Chulalongkorn University, Thailand
Co-Chair:	Dr. Panupong Thammachoti, Chulalongkorn University, Thailand
14.00 – 14.30	Comparative study on breeding ecology and life history in Japanese salamanders By Assoc. Prof. Dr. Kanto Nishikawa Kyoto University, Japan
14.30 - 14.50	Effect of environmental factors on edible burrowing frogs in northeastern Thailand By Assist. Prof. Dr. Komsorn Lauprasert Mahasarakham University, Thailand
14.50 - 15.10	Using ecological niche modeling to study distribution of lizards in highland of the Sunda Shelf By Dr. Panupong Thammachoti Chulalongkorn University, Thailand
15.10 – 15.30	Coffee Break
15.30 - 16.00	How stone tool use behavior emerged in long-tailed macaques: environment or genetics? By Prof. Dr. Suchinda Malaivijitnond Chulalongkorn University, Thailand
16.00 - 16.20	Ecosystem services of insectivorous bats in Southeast Asia By Assist. Prof. Dr. Sara Bumrungsri Prince of Songkla University, Thailand
16.20 - 16.40	Reproductive phenology of tropical bats – it is all about the strategies to maximize survivability By Dr. Nurul`Ain Elias Universiti Sains Malaysia, Malaysia
16.40 - 17.00	First record and range extension of the flying squirrel, <i>Petinomys setosus</i> (Rodentia: Sciuridae: Pteromyini) from Lao PDR By Mr. Daosavanh Sanamxay National University of Laos, Lao PDR

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Wednesday 22 May 2019	
Parallel Session 5	
From biodiversity to natural products for drug discovery	
Lotus Suite 12	
Chair:	Dr. Monthaka Teerachaisakul, Department of Thai Traditional and Alternative Medicine, Thailand
Co-Chair:	Dr. Paripok Phitsuwan, Division of Biochemical Technology, School of Bioresources and Technology, King Mongkut's University of Technology Thonburi, Thailand
Part I : Biodiversity	
14.00 – 14.30	Thailand's fungal diversity and applied potential By Emeritus Prof. Dr. Kevin David Hyde Mae Fah Luang University, Thailand
14.30 – 15.00	Transforming <i>in situ</i> biodiversity observation into digital atlas and conservation implication in Thailand By Prof. Dr. Yongyut Trisurat Kasetsart University, Thailand
15.00 – 15.30	Diversity of yeasts in the surface of rice leaves and biocontrol activity against fungal pathogens of rice plant By Prof. Dr. Savitree Limtong Kasetsart University, Thailand
15.30 – 15.45	Coffee Break
Part II: Natural Products	
15.45 – 16.15	Translational research of selected plant in Zingiberaceae By Prof. Dr. Bungorn Sripanidkulchai Khon Kaen University, Thailand
16.15 – 16.45	Plant-derived natural products as source materials for commercial utilization By Prof. Dr. Supayang P. Voravuthikunchai Prince of Songkla University, Thailand
16.45 – 17.15	Identification of potential drug candidates from plants and microorganisms in Thailand By Assoc. Prof. Dr. Chatchai Muanprasat Mahidol University, Thailand

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Thursday 23 May 2019	
Parallel Session 6 Frontiers in taxonomy	
Lotus Suite 7	
Chair:	Prof. Dr. Somsak Panha, Chulalongkorn University, Thailand
Co-Chair:	Prof. Dr. Pranom Chantaranothai, Khon Kaen University, Thailand
09.00 – 09.20	Opening Objective and session sequence...Thai taxonomist survey...what for? By Prof. Dr. Somsak Panha Chulalongkorn University, Thailand Dr. Ueangfa Bantaowong Rajamangala University of Technology Thanyaburi, Thailand
09.20 – 10.00	Keynote talk Integrative taxonomy for earthworm biodiversity detection, conservation and applications to human-managed ecosystems By Prof. Dr. Samuel James Maharishi University of Management, Iowa, U.S.A.
The natural history collections: what & how do we know about it?	
10.00 – 10.30	Natural history collections: why are they so important? By Mr. Jonathan Ablett Department of Life Sciences, Natural History Museum, London, United Kingdom
10.30 - 10.45	Coffee Break
Flora of Thailand	
10.45 – 11.15	Why flora of Thailand...How far we have reached? By Prof. Dr. Pranom Chantaranothai Khon Kaen University, Thailand
From basic taxonomy to molecular evolution	
11.15 – 11.45	Taxonomic study of Olethreutine moths (Lepidoptera: Tortricidae) in Thailand and new discoveries in last two decades By Assoc. Prof. Dr. Nantasak Pinkaew Kasetsart University Kamphaeng Saen Campus, Thailand
11.45 – 12.15	The priceless classical taxonomy of Southeast Asian tree snails <i>Amphidromus</i> By Assoc. Prof. Dr. Chirasak Sutcharit Chulalongkorn University, Thailand
12.15 – 13.30	Lunch
13.30 – 14.00	Ecology and evolution of enantiomorphism in the tree snails <i>Amphidromus</i> By Prof. Dr. Takahiro Asami Shinshu University, Japan
14.00 – 14.30	Diversity and conservation of bats in Southeast Asia – the role of taxonomy beyond borders By Dr. Pipat Soisook Prince of Songkla University, Thailand

Thursday 23 May 2019	
Parallel Session 6 Frontiers in taxonomy	
Chair:	Prof. Dr. Somsak Panha, Chulalongkorn University, Thailand
Co-Chair:	Prof. Dr. Pranom Chantaranonthai, Khon Kaen University, Thailand
Biodiversity for human prosperity	
14.30 – 15.00	From governmental politics to school and company projects: museum as a think tank for prevalence of taxonomy-based biodiversity conservation By Prof. Dr. Hidetoshi Ota University of Hyoko, Japan
15.00 – 15.30	Coffee break
A special lecture and press conference	
15.30 – 16.30	A special lecture on “Millipede research through space and time” By Prof. Dr. Henrik Enghoff University of Copenhagen, Denmark
16.30 – 17.30	Press Conference: Millipede discoveries in Thailand: a hundred amazing new species

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Thursday 23 May 2019	
Parallel Session 7	
Habitat-based research (terrestrial, freshwater, marine and others)	
World Ballroom B	
Chair:	Dr. Thamasak Yeemin, President, The Marine Science Association of Thailand, Thailand
Co-Chair:	Dr. Suchai Worachananant, Kasetsart University, Thailand
13.30 – 14.00	The influence of microclimate on biodiversity of lichens in the tropical forests at Khao Yai National Park, Thailand By Dr. Kansri Boonpragob Ramkhamhaeng University, Thailand
14.00 – 14.20	A future perspective on freshwater ecosystems in Thailand: biodiversity and research By Dr. Boonsatien Boonsoong Kasetsart University, Thailand
14.20 – 14.40	Relative contributions of biodiversity and environment to benthic ecosystem functioning of the South China Sea By Dr. Zainudin Bachok University Malaysia Terengganu, Malaysia
14.40 – 15.00	Changes on environmental condition and fishery resources in the Gulf of Thailand By Dr. Shettapong Meksumpun Kasetsart University, Thailand
15.00 – 15.20	Coffee Break
15.20 – 15.50	Sandy beach ecosystems in Thailand: emerging issues and management interventions By Dr. Pinsak Suraswadi Department of Marine and Coastal Resources, Thailand
15.50 – 16.20	Science to policy options – example of “P-CoRIE” project in Palau By Dr. Takashi Nakamura University of the Ryukyus, Japan
16.20 – 16.40	Seagrass ecosystem service and restoration: Thailand perspective By Dr. Ekkalak Rattanachot Prince of Songkla University, Thailand
16.40 – 17.00	Marine exploration: lessons learned from research vessels By Dr. Penjai Sompongchaiyakul Chulalongkorn University, Thailand

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Thursday 23 May 2019	
Parallel Session 8	
Human and wildlife in the Anthropocene	
Lotus Suite 5-6	
Chair:	Dr. Anak Pattanavibool, Director of Wildlife Conservation Society, Thailand
Co-Chair:	Asst. Prof. Dr. Dusit Ngoprasert, King Mongkut's University of Technology Thonburi, Thailand
13.30 – 14.00	What can the science of conservation crime tell us about wildlife trafficking? By Assoc. Prof. Dr. Meredith L. Gore Department of Fisheries & Wildlife, School of Criminal Justice, Michigan State University, U.S.A.
14.00 – 14.30	Beyond the 6% solution: the future of Asia's tigers By Dr. Dale Miquelle Director of Wildlife Conservation Society-Russia Program, Russia
14.30 – 15.00	Urgent need to protect the endangered Gurney's pitta and its habitat By Assoc. Prof. Dr. Tommaso Savini The Conservation Ecology Program, King Mongkut's University of Technology Thonburi, Thailand
15.00 – 15.20	Coffee Break
15.20 – 15.50	How can we influence decision makers to conserve biodiversity in the Anthropocene? By Dr. Gopalamy Reuben Clements Jeffrey Sachs Center on Sustainable Development, Sunway University, Bandar Sunway, Malaysia
15.50 – 16.20	Turtle conservation in Myanmar: impact of wildlife trafficking and conservation options By Dr. Steve Platt Wildlife Conservation Society & Turtle Survival Alliance, U.S.A. (Based in Myanmar)
16.20 – 16.50	Strong society and science for recovering wildlife in the Anthropocene Thailand By Dr. Anak Pattanavibool Advisor to Director General, Department of National Parks, Wildlife and Plant Conservation, Thailand

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Thursday 23 May 2019	
Parallel Session 9	
Ecotourism & UNESCO Global Geopark	
World Ballroom A	
Chair:	Dr. Young Ng, Senior Advisor at Danxiashan UNESCO Global Geopark, P.R. China and Honorary Advisor at Association for Geoconservation, Hong Kong SAR
Co-Chair:	Mr. Surachai Siripongsatian, Director of Division of Geological Survey, Department of Mineral Resources, Thailand
13.30 – 14.00	Integrated heritage conservation and sustainable use in Asia Pacific Geoparks By Prof. Dr. Ibrahim Komoo Vice President, UNESCO Global Geoparks Council, Malaysia
14.00 – 14.30	Geotourism in geoparks in Japan conservation and wise use of geodiversity By Dr. Mahito Watanabe Member of the UNESCO Global Geoparks Council, Japan
14.30 – 15.00	Finance mechanisms for biodiversity: the case of Ngorongoro Conservation Area, Tanzania By Dr. Freddy Manongi Head of Ngorongoro Conservation Authority and Ngorongoro Lengi UNESCO Global Geopark, Tanzania
15.00 – 15.30	Satun UNESCO Global Geopark: empowering local communities and people by creating jobs By Mr. Narongrit Thungprue President of Thung Wa Sub-district Administration Organization and Director of Satun UNESCO Global Geopark, Thailand
15.30 – 16.00	Coffee break
16.00 – 16.30	Biodiversity and ecotourism in Chinese geoparks: Danxiashan UNESCO Global Geopark of China as an example By Ms. Chen Fang Deputy Director, Danxiashan UNESCO Global Geopark, P.R. China
16.30 – 17.00	Ecotourism and geotourism: a reliable power engine for the sustainable development of local areas in Korea By Dr. Soo-Jae Lee Chief Research Fellow, Korean Environment Institute, UNESCO Global Geoparks Council Member, Republic of Korea
17.00 – 17.30	Geotourism, the engine of sustainable development for local communities in Satun UNESCO Global Geopark By Mr. Rath Jitrattana Department of Mineral Resources, Thailand

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Thursday 23 May 2019	
Parallel Session 10	
Ecosystem services and restoration	
Lotus Suite 11	
Chair:	Dr. Prasit Wangpakapattanawong, Chiang Mai University, Thailand
Co-Chair:	Dr. Sutthathorn Chairuangsi, Chiang Mai University, Thailand
Ecosystem Services and Restoration: what do we know? what more do we need to know?	
13.30 – 13.50	A new age of forest restoration By Dr. Stephen Elliott Chiang Mai University, Thailand
13.50 – 14.10	Ecosystem services at watershed level By Dr. Beria Leimona World Agroforestry Centre, Indonesia
14.10 – 14.30	Restoration of mangrove forests By Dr. Aor Pranchai Kasetsart University, Thailand
14.30 – 14.50	Economic aspect of ecosystem services and restoration By Dr. Decharut Sukkumnoed Kasetsart University, Thailand
14.50 – 15.10	Coffee break
15.10 – 15.30	Forest restoration of upland northern Thailand: an ongoing project in Nan province By Dr. Pimonrat Tiansawat Chiang Mai University, Thailand
15.30 – 15.50	The importance of social networks in the restoration of degraded forests By Mr. Michael Jenke Dresden University of Technology, Germany
15.50 – 17.00	Round table discussion on “Ecosystem services and restoration: what do we know? what more do we need to know?” Moderator: Mr. Chawapich Vaidhayakarn Researcher and development practitioner in Forest and Natural Resource Management Sector in Southeast Asia, Thailand

IBD2019

International Conference on Biodiversity (IBD2019)
22-24 May 2019
Centara Grand & Bangkok Convention Centre at CentralWorld, Bangkok

- Program -

Thursday 23 May 2019	
Parallel Session 11	
Impacts of climate change on biodiversity across scales	
Lotus Suite 12	
Chair:	Dr. Wirong Chanthorn, Kasetsart University, Thailand
Co-Chair:	Ms. Anuttara Nathalang, National Center for Genetic Engineering and Biotechnology, Thailand
13.30 – 13.45	Monitoring remotely tropical forest diversity and structure By Dr. Maxime Rejou-Mechain Agricultural Research for Development (CIRAD-IRD), France
13.45 – 14.00	Response characteristics of dry dipterocarp forest to El Niño in Thailand: results from multi-spatial scale observations By Dr. Amnat Chidthaisong King Mongkut's University of Technology Thonburi (KMUTT), Thailand
14.00 – 14.15	Forest ecosystems in a warmer world By Dr. Hyungwoo Lim Swedish University of Agricultural Sciences, Sweden
14.15 – 14.30	Spatiotemporal variation of net radiation over the different ecosystem in Mainland Southeast Asia By Dr. Sittisak Moukomla Geo-Informatics & Space Technology Development Agency (GISDA), Thailand
14.30 – 14.45	Species traits inform migratory bird's response to climate change By Dr. Nantida Sutummawong Thaksin University, Thailand
14.45 - 15.00	Possible effects of climate change on recruitment of the wild rambutan tree <i>Nephelium melliferum</i> on the Mo Singto plot, Khao Yai National Park, Thailand By Dr. Warren Y. Brockelman National Center for Genetic Engineering and Biotechnology (BIOTEC), Thailand
15.00 – 15.15	Coffee Break
15.15 – 15.30	Linking sap flow to canopy fluxes By Dr. Pantana Torngern Chulalongkorn University, Thailand
15.30 – 15.45	Invitation to forest canopy ecology: global scale collaboration opportunities By Dr. Akihiro Nakamura Xishuangbanna Tropical Botanical Garden (XTBG), Chinese Academy of Sciences, P.R. China
15.45 – 16.00	Variation in beta-diversity with microclimate across scale: cases from Bryophytes By Dr. Ekaphan Kraichak Faculty of Science, Kasetsart University, Thailand

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Chair:	Dr. Wirong Chanthorn, Kasetsart University, Thailand
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16.00 – 16.15	<p>Mapping above-ground biomass to monitoring changes under perceived impacts of climate change in Thailand</p> <p>By Mr. Narin Jaroonrattanapak Department of National Parks, Wildlife and Plant Conservation, Thailand</p>
16.15 – 16.30	<p>Seasonal dynamics of carbon dioxide, water vapour and energy fluxes over a dry dipterocarp forest in Phayao, Northern Thailand</p> <p>By Dr. Montri Sanwangsri University of Phayao, Thailand</p>
16.30 – 16.45	<p>Linking plant hydraulic traits with drought induced mortality</p> <p>By Assoc. Prof. Dr. Yajun Chen Xishuangbanna Tropical Botanical Garden (XTBG), Chinese Academy of Sciences, P.R. China</p>
16.45 – 17.00	<p>How changes in nitrogen availability affect the cycling of carbon in forests</p> <p>By Dr. Niles Hasselquist Swedish University of Agricultural Sciences, Sweden</p>
17.00-17.30	<p>Panel discussion: Advances in climate change and long-term ecological research in Thailand—how we move forward?</p>