

BIODIVERSITY CONSERVATION & ECOSYSTEM MANAGEMENT

7th International Conference
26-27 July 2018
Melbourne | Australia

Mercure Albert Park
65 Queens Road, Melbourne
3004 – Australia

WELCOME MESSAGE



Dear Colleagues,

On behalf of the Organizing Committee, it is an honor and pleasure to officially welcome you to the 7th International Conference on Biodiversity Conservation and Ecosystem Management, held in Melbourne, Australia on July 26-27, 2018.

This Congress addresses key aspects of Biodiversity and brings together experts, researchers, private sector actors, postdoctoral fellows, and students from around the world, providing them with the opportunity to report, share, and discuss scientific questions, achievements, and challenges. We hope that participants will take the opportunity to network with others to find new ways to work toward the common goal of preserving the natural world and the ecosystem services it provides. We are also very interested in welcoming students and postdoctoral researchers in order to provide them the opportunity to learn and discuss their research at this event.

The theme of this conference, “Variety of Species Innovates Variety of Research” promises to address key issues within the broad field of biodiversity conservation and ecosystem management. Plenary, keynote, oral and poster presentation topics will include Sustainable Development, Climate Change, Threats to Biodiversity, Biodiversity and Food Security, Environmental Pollution and Management, and Plant, Animal and Marine Biodiversity.

I hope that this conference will stimulate new ideas and approaches for promoting ecosystem stability through preservation of biodiversity. I wish all delegates a fruitful attendance and involvement in this excellent event and hope that this conference will be productive and satisfying. Thank you for your participation, and I wish you a very enjoyable stay in Melbourne.

Dr. Ricky M. Bates
Professor of Horticulture
Penn State University

WELCOME MESSAGE



BOTANICA POP

Dear Sirs, Colleagues and Students,

Greetings from Biodiversity Congress 2018!

Biodiversity Congress has in 2018 its 7th edition, with the main theme “Variety of Species Innovates Variety of Research”.

As a member of the Organizing Committee I'm very honored to invite you to participate in the 7th International Conference on Biodiversity Conservation and Ecosystem Management, which will be held in Melbourne, Australia on July 26-27, 2018.

Biodiversity Congress 2018 will focus key aspects of Biodiversity and Ecosystem Management, joining experts, researchers, private sector professionals, postdoctoral fellows and students from around the world, being an excellent opportunity for the exchange of knowledge and experiences, both internationally and interdisciplinary.

During the two days of this scientific-professional meeting, academics, CEOs and experts from different countries of all continents will present very relevant conferences that will, in a multidisciplinary way, investigate and address the various fields of Biodiversity and Ecosystem Management, providing them with the opportunity to report, share, and discuss scientific questions, achievements, and challenges.

Topics include: Biodiversity, Sustainable Development, Climate Change and Global Warming, Ecology and Conservation of Biodiversity, Plant and Animal Biodiversity, Marine Biodiversity, Forestry, Vulnerable Species, Threats to Biodiversity, Biodiversity and Food Security, Pollution and Environmental Management, and more, in plenary session, keynote, oral and poster presentation.

The Organizing Committee wants to give students, young postdoctoral researchers and private sector actors the opportunity to present their research studies and results, at the same time getting updated in the already mentioned fields of knowledge. We hope that participants will take the opportunity to network with others, finding new ways to work toward the common goal of biodiversity conservation and sustainable use, preserving the natural world and the ecosystem services it provides.

I wish all delegates a fruitful attendance and involvement in this excellent event and wish you a very enjoyable stay in the pleasant city of Melbourne.

Pedro Nahoum

Botanist and CEO of BOTANICA POP Ltd.

Rio de Janeiro, Brazil

WELCOME MESSAGE



Dear colleagues and researchers:

As a member of the Organizing Committee, it's a great honor and pleasure for me to invite you to participate in the 7th International Conference on Biodiversity Conservation and Ecosystem Management, being held in Melbourne, Australia on July 26-27, 2018.

The main theme of the Biodiversity Congress 2018 is: "Variety of Species Innovates Variety of Research". This call was created with the aim of bringing together academic experts, researchers, scientists, postdoctoral fellows, business entities and students from all over the world.

This scientific-professional meeting is an excellent opportunity for the exchange of knowledge and experiences, both internationally and interdisciplinary.

During the two days of the Congress, academics, scientists and experts from around the world will present interesting conferences that, in a multidisciplinary way, investigate and address the various fields of the Biodiversity Congress, including: Biodiversity, Sustainable Development, Climate Change and Global Warming, Ecology and Conservation of Biodiversity, Plant and Animal Biodiversity, Marine Biodiversity, Forestry, Vulnerable Species, Threats to Biodiversity, Biodiversity and Food Security, Pollution and Environmental Management, etc.

Biodiversity Congress 2018 is also very interested in knowing the contributions of students and young postdoctoral researchers, so from the Organizing Committee we want to give them the opportunity to present their research studies, while they can know the latest achievements and updates of the knowledge.

Finally, we hope that this Congress will be an unforgettable personal and professional experience. Personally, I wish you a pleasant and rewarding stay in Australia.

We're waiting for you in Melbourne! Sincerely from Spain.

Jaime Senabre

Psychologist, Environmental Consultant and Researcher
President of International Scientific-Professional Committee of SINIF
Research Group in "Climate and Territorial Planning"

University of Alicante – Spain

jasenabre@sinif.es

Day-1

Keynote Session



Talk on:

Strengthening indigenous informal seed systems in Southeast Asia

Prof. Ricky M. Bates
Penn State University, USA



Talk on:

Vulnerability of women's livelihoods and their coping mechanisms in the face of climate change in coastal regions of Bangladesh

Dr Salim Momtaz
University of Newcastle, Australia



Talk on:

MHC genes in Malayan tapir (*Tapirus indicus*): The implication in ex-situ conservation

Dr Geetha Annavi
University Putra Malaysia, Malaysia

Day-1

Oral Session

Title: Impacts on biosphere of plant cultivation by the genus Homo: From before the fire domestication to the genomics applied to industrial agriculture

Pedro Nahoum, Botonica POP Ltd, Brazil

Title: The role of protected areas in wildlife conservation of Republic Sakha (Yakutia)

Vladimirtseva M V, Institute for Biological Problem of Cryolithozone, Russia

Title: Exploration of land-cover changes using Globe Land 30 2000-2010 at the national level in Mexico

Rafael Moreno-Sanchez, Colorado University, USA

Title: Protection of arctic marine bio-diversity in the area beyond national jurisdiction

Kamrul Hossain, University of Lapland, Finland

Title: Forest fires and soil loss: A threat to biodiversity

Jaime Senabre, University of Alicante, Spain

Title: Biodiversity, application of bioenergy for energy systems or materials and environmental sustainability: Sustainable energies future perspective through energy efficiency development

Abdeen Omer, Nottingham University, UK

Title: Environmental services generated by the Brazilian Army tutored areas located in Atlantic Forest

Helder B Guimarães, Brazil

Title: Conjugated ranges as evolutionary factor of the butterfly diversity structure

Alexander L. Monastyrskii, FFI, Vietnam

Title: Activity pattern of Asiatic black bear and its hibernation related to the climate change by analyzing the camera trapping data

Xuehua Liu, China

Title: 'Pathila' concept - Ten traditional leafy vegetables from South Indian wild flora

Mini Vijayan, Carmel University Goa, India

Title: Understanding the value of natural resources for human well-being

Kamaljit K Sangha, Darwin University, Australia

Title: Biodiversity conservation and enhanced medicinal properties in *Asparagus racemosus* Willd.

Ashok Kumar, Forest Research Institute, India

Day-1

Oral Session

Title: Diversity and differentiation of true Mangroves and their associates based on leaf anatomy and structural form

Enrico L. Replan, Cebu Technological University, Philippines

Title: Diversity of seaweeds and sea-grasses in the egyptian mediterranean coastal eco-zones

Moh.El-Said FARGHALY, Egypt

Title: Important ecological corridor in selangor, peninsular Malaysia

Abdul Khalim, Malaysia

YRF

Title: Behaviours of endangered Malayan tapir (*Tapirus indicus*) in relation to ecological, climatic and anthropogenic factors: Implications for captive management and conservation.

Kalai Arasi Arumugam, Universiti Putra Malaysia, Malyasia

Title: Integration of agricultural education and biodiversity: Introducing synecoculture in to elementary school in Taiwan

Kai-Yuan Lin, Japan

Title: Biodiversity of Manukau Mangroves; what's really in there?

Amrit Melissa Dencer-Brown, Auckland University of Technology, New Zealand

Title: Straddling the socio-political nature of climate change

Wedzerai C Mandudzo, Zimbabwe

Title: Diversity and distribution of Diptera in Bohol and Mindanao, Philippines using DNA barcodes

Reizl Jose, Bohol Island State University, Philippines

Title: Sustainable harvesting, conservation and analysis of genetic diversity in *Polygonatum verticillatum* Linn

Anchal Rana, Forest Research Institute, India

Title: Contribution to the red list of the plants of Pakistan: rare and over-exploited Phanerogams of Karim Abad, Hunza valley-Gilgit-Baltistan

Said Muhammad, Hazara University Mansehara, Pakistan

Title: Host fish of Moroccan freshwater mussel: *Unio foucauldianus* Pallary, 1936

Hassan Benaissa, Université Cadi Ayyad, Morocco

Title: Diversity and habitat association of Birds in Menze-Guassa Community Conservation Area, Central Ethiopia

Yihenew Aynalem, Ethiopia

Day-1

Oral Session

Title: Biodiversity conservation with benefit sharing India

Fatik Baran Mandal, India

Title: Integrating bioenergy and food production on degraded landscape for improved socio-economic and environmental outcomes in Indonesia

Syed Ajujur Rahman, Center for International Forestry Research, Indonesia

Title: Sustainable solutions to biodiversity conservation, local livelihoods and climate change; Our Korup Rainforest story, Southwest Region, Cameroon

Orume Robinson, KORUP, Cameroon

Title: Examining vegetation structure, species diversity, richness and vegetation-environmental relationships in the subtropical forests of Kotli District (AJK), Pakistan using a multivariate approach

Muhammad Shoaib Amjad, Women Univeristy of Azad Jammu & Kashmir, Pakistan

Title: Local biodiversity restoration for food bank in the highland community of Thailand

Jarunee Pilumwong, Highland Research and Development Institute, Thailand

Title: Annotated notes on behavioural studies and conservation status of Indian Star Tortoise (*Geochelone elegans*)

Rashmi Sharma, India

Title: Global biodiversity significance of Chittagong Hill Biome in Bangladesh

Anisuzzaman Khan, Bangladesh

Title: A system for safe and eco-friendly wastewater treatment

Joy Manglani, India

Title: Species and structural composition of church forests in a fragmented landscape of northern ethiopia

Alemayehu Wassie, Bahrdar University, Ethiopia

Title: Vascular plant communities of Morocco: Phytosociology, ecology and geography

TALEB Mohammed Sghir , Rabat University, Morocco

Title: Victim's perception of Gully Erosion in Edo State, Nigeria

Augustine Osayande, University of Abuja, Nigeria

Day-2

Keynote Session



Talk on:

**Modeling the oasis of the future -
intercropping of cam metabolism agricultural
varieties for food security in poor soils and
semi-arid climates**

Pedro Nahoum
Botonica POP Ltd, Brazil



Talk on:

**Yakutia as the territory of the crane most
diversity in the northern part of Asia-Pacific
region**

Dr Solomonov N G
*Institute for Biological Problem of
Cryolithozone , Russia*



Talk on:

**Butterfly-flower interactions and
biodiversity in the changing
environments**

Prof Aluri Jacob Solomon Raju
Andhra University, India



Talk on:

**Two 'Golden Grains' from the treasure
trove of rich Indian Traditions**

Dr Mini Vijayan
Carmel University, Goa, India

Day-2

Oral Session

Title: Identifying, developing, and moving sustainable communities through Application of bioenergy for energy or materials: Future perspective through energy efficiency

Abdeen Mustafa Omer, University of Nottingham, UK

Title: Expansion of genetic base and classical genetic improvement methods in genus Ananas - Bromeliaceae: genetic, agronomic and branding innovations

Pedro Nahoum, Botonica POP Ltd, Brazil

Title: Amphibian and reptiles of Yakutia, their distribution and biodiversity

Solomonov K.S, Institute for Biological Problem of Cryolithozone , Russia

Title: Evaluation of food flow in cities from an analysis of their social metabolism.

Daiana M. Castillo López, UASLP, Germany

Title: From the cultural Desk of India - Expressions of Agro -biodiversity in a festival called 'Thiruvathira'

Mini Vijayan, Carmel University Goa, India

Title: Relationships between weather and survival of plants in restored populations of the protected species *Arenaria grandiflora* L.

Nathalie MACHON, National Museum of Natural History, France

Title: The contribution of ecosystem services towards the local community living vicinity to the forest protected area: the case of Kawang forest reserve, Sabah Malaysia

Guptah VG Nair, Universiti Malaysia, Malaysia

Title: Microbial Diversity and Ecosystem Function in a Stressed System

James Ganon, UAE

Title: Pattern of Genetic Variation in Endangered Medicinal Himalayan Herb, *Picrorhiza kurroa*, assessed using DNA markers, implication for genetic enhancement and ex situ conservation

Avinash kumar, India

Title: Effect of temperature on Gharial population at National Chambal Gharial Wildlife Sanctuary Pinahat Agra (U.P)

P.K.Vershney, India

Title: Studies on avian diversity and feeding guild of Banda University of Agriculture and Technology campus and nearby area, Banda, Uttar Pradesh, India

Kaushal Singh, India

Day-2

Oral Session

Title: Assessment of damage inflicted by the small Kashmir flying squirrel (*Hylopetes fimbriatus*) (gray, 1837) in district Bagh, Azad Jammu and Kashmir
Nausheen Irshad, Pakistan

Title: Creating a Sustainable Green Planet (SGP) by generation of solar bio-energy using waste water
Joy Manglani, India

Title: The bordering mangrove of Mahajanga's town and mangrove in mozambic channels (Bombetoka) in the west of Madagascar : Ecology, spatial-time analysis (1997-2017)
Herry Lisse, Madagascar

Title: Impact of climate change on the mediterranean flora and conservation action: In situ and ex situ conservation of endemic and remarkable flora of North Africa
El Oualidi Jalal, Morocco

Title: Efforts made by Morocco to conserve flora and forest ecosystems
TALEB Mohammed Sghir , Morocco

Title: Sundarbans mangrove ecosystem service in our daily life and community based conservation approach
Maksudur Rahman, Bangladesh

Title: Sustainable development through architecture education
Maira Khan, COSMAT Institute of Technology, Pakistan

Title: Factors affecting the distribution of wild ruderal shrub " *Pluchea dioscoridis* (L.) DC." and its associated species in Gharbia Governorate, Nile Delta, Egypt
Gehan T. El-TaHER, Tanta University , Egypt

Title: Environmental pollution in Bangladesh
Haragobinda Baidya , Bangladesh

Title: Investigation, management and treatment of zoonosis and zoonoanthroposis at the human, wildlife and livestock interface in Bwindi impenetrable national park, Uganda
Divya Krishnan, Christ University, India

Title: Diversity and noteworthy tree species in Pocdol Mountain Range, Bicol Region, Philippines
Adriane B Tobias, Philippines

Day-2

Oral Session

Title: Local biodiversity conservation in Sigi - central Sulawesi : Effect of elevation and land accessibility, income and farmers' perception on vegetation diversity-agroforestry systems

[Nina Dwi Lestari, Indonesia](#)

Title: Host fish of Moroccan freshwater mussel: *Unio foucauldianus* Pallary, 1936

[Hassan Benaissa, Université Cadi Ayyad, Morocco](#)

Title: Contribution of the Guassa Community Eco-Lodge to the conservation of wild mammals, birds and woody plants in Menz-Gera Midir District, North Shewa Administrative Zone, Ethiopia

[Solomon Ayele Tadesse, Debre Berhan University, Ethiopia](#)

Title: Wild vertebrate roadkill on selected highways passing through four spatially isolated protected areas of Eastern Ethiopia

[Getachew Mulualem, Ethiopia](#)

Title: Benthic communities as bio-indicators of organic and inorganic pollution in marine environment; case study of Tudor creek, Mombasa County, Kenya

[Wanjohi C, University of Nairobi, Kenya](#)

YRF

Title: Impact of anthropogenic disturbance on anurans habitat and species diversity in Silago, southern Leyte, Philippines

[Wilbert A Aureo, Bohol Island State University, Philippines](#)

Title: Will be updated soon

[Michael Kuchnar, Newzealand](#)

Title: Indigenous institutions, wildlife conservation and climate change adaptation in Zimbabwe-Mozambique-Zambia Transfrontier Park (ZIMOZA) Transfrontier Park

[Wedzerai C Mandudzo, Zimbabwe](#)

Title: Community-based management of the Calatagan Mangrove Forest Conservation Park in Batangas, Philippines: a case study on environmental sustainability

[Glenn Bryan A. Creencia, Cavite State University, Philippines](#)

Title: The impact of cultural tourism in enhancing community to participate in wildlife conservation in volcanoes national

[Kibogo Andrew, University of Rwanda, Rwanda](#)

Day-2

YRF

Title: Assessing the Relationship between Socioeconomic factors of bushmeat and Pattern of Consumption in Owo, Ondo State, Nigeria

Ijose Opemipo Alaba, University of Ibadan, Nigeria

Title: Indigenous ways of tree biodiversity conservation in traditional protected forests and sacred sites: Experience from Gedeo Community, Southern Ethiopia

Yoseph Maru Jimjima, Dilla University, Ethiopia

Title: Biodiversity and ecosystem services in Zambia

Patrick Shawa, Zambia

Poster Session

P-1: Utilising ecological fire management to enhance Purple Copper Butterfly habitat

Colleen Farrow, Australia

P-2: Effectiveness of conservation education workshops on Azerbaijani students' knowledge about rare vegetation degradation within the "buffer zones" in Gobustan National Park , Azerbaijan

Yelena M Gambarova, Azerbaijan

P-3: Community and government managed forests productivity and carbon sequestration & management strategies in Uttarakhand, India

Nidhi Bhakuni, India

P-4: Diversity of non-timber forest products supporting livelihood security in Gurez valley of Kashmir

Ummar Atta, India

P-5: Plant diversity, carbon pools, selected soil properties and livelihood situation in the Indigenous Agroforestry systems of South-eastern Rift- valley landscapes, Ethiopia

Hafta Mebrahten Tesfay, University of Natural Resources and Life Sciences, Austria

P-6: Diel Migration of Microzooplankton Tintinnid in Masinloc Oyon-Bay Marine Reserve

Jane Abigail M. Santiago , Philippines

P-7: Human –Wildlife conflicts in selected areas of Azad Jammu & Kashmir, Pakistan

Nausheen Irshad, Pakistan

Day-2

Poster Session

P-8: *Varanus flavescens*: Status, distribution and potential threats- A case from Nepal

[Ajay Karki, Department of Forests, Nepal](#)

P-9: Honeybee production system and quality status at Gemechis district of west Hararghe, Ethiopia

[Timketa Dagne, Oda Bultu University, Ethiopia](#)

P-10: Fair and equitable benefit sharing arising from the use of biological/genetic resources: practical case of Ethiopia; implication for biodiversity conservation

[Edeget Merawi, Ethiopia](#)

P-11: Improving the performance of Ngagel water treatment plant in Pdam Surabaya

[Mehdi Lassoued, Indonesia](#)

P-12: Identification of feed plant community of Javan Rhino (*Rhinoceros sondaicus desmarest 1822*) in Ujung Kulon national park

[Arini Dwi Fikri Hanim, Bogor Agricultural University, Indonesia](#)

SUBMIT ABSTRACTS

!!FEW SLOTS WERE AVAILABLE!!

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