



Helwan University Second International Conference on Biodiversity **Biodiversity and climate Change**

First Announcement August 2019

Under the auspices of

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Botany and Microbiology Department

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Botany and Microbiology Department

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Potential Sponsors

Egyptian Academy of Scientific Research and Technology (ASRT)

Ministry of Environment - Egyptian Authority for Environmental Affairs

Union of Arab Universities

Syndicate of Scientific Professions

<ul style="list-style-type: none">• Biodiversity and climate change• Biodiversity and climate change in African and semiarid regions• Biodiversity of microorganisms• Ecotourism and biodiversity• Combating environmental pollution• Ways to achieve environmental health• Genetic resources and agricultural biodiversity for crop improvement• Biodiversity in education and research• International biodiversity treaties and conventions	<ul style="list-style-type: none">• Reference groups as renewable sources of biodiversity development• Biodiversity as food and medicine• International and national efforts to protect biodiversity for sustainable development• Investing in biodiversity to maximize its economic value• Methods of conservation and development of natural resources• Genetic diversity of genes and adaptation to environmental changes
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Conference main Topics

Biodiversity and its Importance

It is well known that biodiversity covers all levels of genetic and phenotypic natural variation at the molecular, individual, population, species and ecosystem levels. As defined by Convention on Biodiversity (<http://www.biodiv.org>) in 1992, biodiversity is the variation among all forms of living organisms including, terrestrial and aquatic ecosystem. The objectives of the CBD convention are :-

- ✓ Conservation and sustainable use of biological diversity
- ✓ Fair sharing of benefits of the use of genetic resources
- ✓ Appropriate transfer of relevant technology for sharing genetic resources

Biodiversity provides goods and services that have direct use values as food, wood, pharmaceuticals, textiles, etc and source of innovations. In the current context of increasing world population, and potential climate change, a growing awareness of the need to preserve and use sustainably the world natural resources are evident to keep biodiversity and achieve sustainable development.

Biodiversity and climate change

Climate change affects biodiversity, and changes in biodiversity and ecosystem functioning affect climate change. The carbon and water cycles, two important large-scale processes for life on Earth, both depend on biodiversity at genetic, species and ecosystem levels. Climate change is/will be a dominant driver of biodiversity loss.

The fundamental interdependence between climate change, energy, biodiversity, wetlands, desertification, food, health, trade and the economy. Climate change is projected to further adversely affect key development challenges including provision of clean water, energy services, and food; maintaining a healthy environment; and conserving ecological systems and associated ecological goods and services.

In brief. Biodiversity and climate change are inextricably linked

- Biodiversity and associated ecosystem services are impacted by climate change

- Biodiversity can help people adapt to climate change
- Biodiversity can help people mitigate climate change

Conference Fees	Egyptians	Non-Egyptians
Participant with talk and paper publication	LE 1300	USD 400
Participant with talk and no publication	LE 300	USD 200
Listener	LE 200	USD 100
Student	LE 100	USD 100

The fees may be transferred the Bank Account Number 9/450/88723/0 of the Center of Services and Scientific Studies in Misr Bank, Helwan University Branch and payable to the biodiversity conference. The conference fees may also be paid in cash or by cheque payable to the Center of Services and Scientific Studies, Faculty of Science, Helwan University for the biodiversity conference.

The conference fees covers:-

1. Attending the conference invited talks and scientific sessions and a lunch and tea and coffee breaks between sessions
2. Full conference book of abstracts of talks and posters.
3. Certificate of attendance in English

Accommodation

Accommodation for one night in the guesthouse of Helwan University may be available for participants coming from outside Cairo or from abroad depending on availability.

Abstract submission

- 1) Write the abstract using Microsoft word Times New Roman; the title in Bold using font 14, the author or authors name(s) in font 12 Bold and the text in font 12 (maximum 300 words). The affiliation and the email of the author for correspondence should be given
- 2) Abstracts should be submitted to the conference e-mail: biod.conf.2@gmail.com
Or to the email of the conference chairman abdelfattahbadr@yahoo.com

Publication opportunities

After the conference, all accepted full article will be reviewed for publication in open access journals with ISSN and DOI numbers

Organizing Committee at Helwan University

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