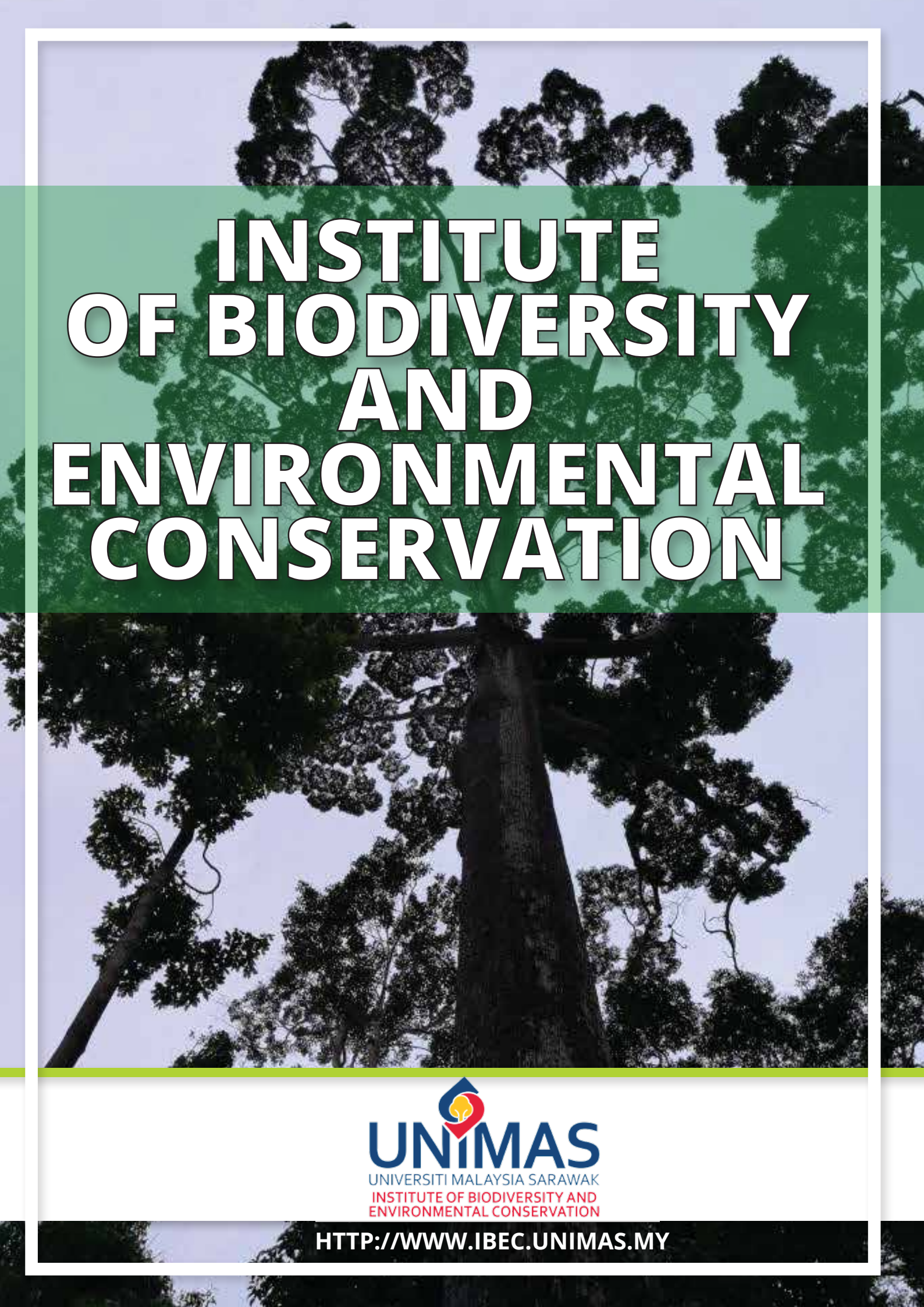

INSTITUTE OF BIODIVERSITY AND ENVIRONMENTAL CONSERVATION

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HTTP://WWW.IBEC.UNIMAS.MY

IBEC

The Institute of Biodiversity and Environmental Conservation is one of the earliest institutes within Universiti Malaysia Sarawak, established in the late 1990s, when the term 'biodiversity' was newly coined, and is strategically placed in the heart of south-east Asia. Located thus in the midst of rich tropical diversity, of microbes, plants and animals, the aim of the Institute is to promote research and exploration of tropical biodiversity, here on Borneo and elsewhere, using innovative techniques, and aid inspirational teaching as well as policy-making for its conservation and management, and conducting consultancies on these topics.

The Institute is equipped with two modern laboratories, with facilities for ecological, systematic and molecular work, full time staff for several areas in tropical biodiversity and conservation, and a number of distinguished research associates from all over the world.

Within the University, the team consistently receives accolades in terms of scientific publications, public outreach, media exposure, international linkages and research grants.

Please visit us at: http://www.ibec.unimas.my

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IBEC

VISION

Become a global research centre for biodiversity and environmental conservation.

MISSION

To generate and disseminate knowledge in tropical biodiversity and environmental conservation to support sustainable use of natural resources.

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CONSERVATION BIOLOGY GROUP PROJECT

Associate Professor Dr. Mohd-Azlan Jayasilan, Ph.D.,
Charles Darwin University

Director, Institute of Biodiversity and
Environmental Conservation

Deforestation and land conversions to oil palm and other uses have accelerated in many parts of S outh East Asia. This has posed various threats to local wildlife, particularly those that are endemic to Borneo.

Our research questions revolve around sustainability without hindering the conservation and protection of biodiversity in an increasingly fragmented landscape. We frequently collaborate with local and international agencies using recent advancement in conservation biology technologies.

e-mail: azlan@unimas.my

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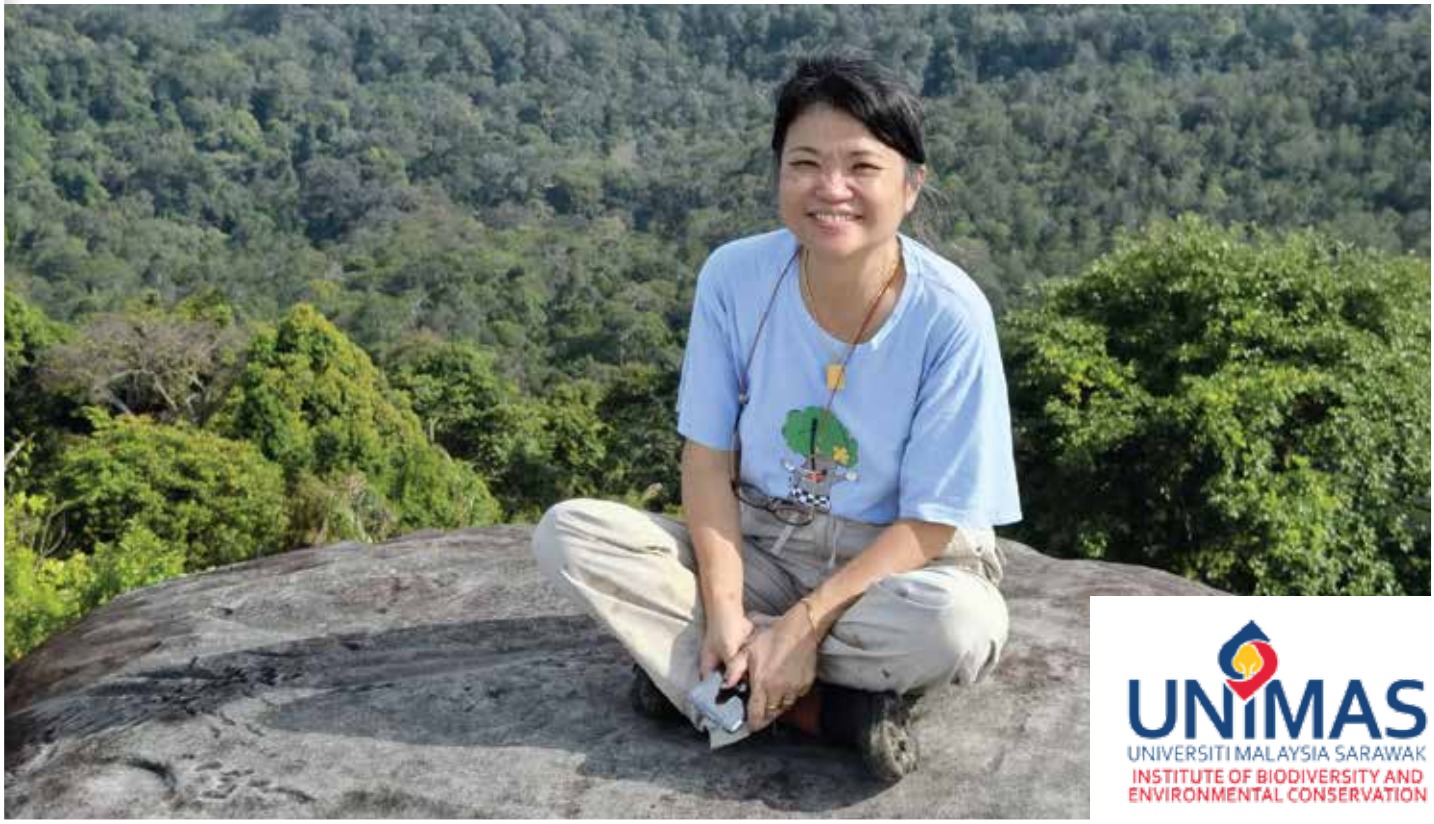
PLANT SYSTEMATICS GROUP

Associate Professor Dr. Wong Sin Yeng,
Ph.D., Universiti Sains Malaysia

Our research group is principally involved with systematic and ecological studies of the tropical plant families Araceae, Zingiberaceae, Taccaceae, and Dipterocarpaceae.

Ongoing projects include pollination biology of Araceae, Zingiberaceae, Taccaceae and Malvaceae (Durio) through investigations on floral biology and pollination strategies, including pollinator guild partitioning and its role in taxagenesis.

e-mail: sywong@unimas.my



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MACROINVERTEBRATE RESEARCH GROUP

Dr. Jongkar Grinang, Ph.D.,
Universiti Malaysia Sarawak

Our research focuses on large (> 500 micron) aquatic invertebrates, known as macroinvertebrates.

We describe species of crabs and prawns, and investigate their ecology to support biodiversity conservation on Borneo. The ecological importance of macroinvertebrates and their use as indicators for aquatic environment health is also central to our research.

We do ex-situ breeding trials for threatened species to support conservation, and run research activities with support from private agencies, public sectors and international grants. We collaborate with regional and international specialists to develop local skills and expertise.

e-mail: gjongkar@unimas.my

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HERPETOFAUNA RESEARCH GROUP

Prof. Dr. Indraneil Das, D.Phil.,
University of Oxford

Based at the Systematics and Ecology Lab, we study frogs, caecilians and “reptiles” in Sarawak, Borneo, South-east Asia and beyond.

Our research questions extend from community and autecology to taxonomy, systematics, ecology, behaviour and biogeography, and from forest fragmentation and landscape change to ethnobiology.

We frequently partner with local, regional and international research groups, and have emphasized global collaboration, as well as state-of-the-art techniques in our researches.

e-mail: idas@unimas.my

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SARAWAK DOLPHIN PROJECT

Ms. Cindy Peter, M.Sc.,
Universiti Malaysia Sarawak

Marine mammals such as whales or dolphins are often recognized as being keystone species. These charismatic megafauna are valuable as indicators of the health of the environment, due to their top position in the ocean's food chain.

Our research focuses on coastal marine mammals, primarily the dolphins and porpoises found along the Sarawak coastline. We conduct primary research, incorporate social science aspects to our work and encourage public awareness through our outreach programme.

We collaborate with regional and international researchers and institutions to pool data and resources together in an effort to widen the reach of marine science.

e-mail: pcindy@unimas.my

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ETHNOBOTANY AND RESOURCE PLANNING GROUP

Prof. Dr. Gabriel Tonga Noweg, Ph.D.,
University of Missouri

My field of expertise includes natural resource (forestry), forest economics and forestry science.

Current research areas include natural resource management and legislation, plantation silviculture and community economic valuation.

e-mail: gtnoweg@unimas.my

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MOLECULAR BIOLOGY GROUP

Dr. Samuel Lihan, Ph.D.,
Universiti Putra Malaysia

Programme Coordinator for Postgraduate Studies at Institute of Biodiversity and Environmental Conservation

Our research interest is in the field of Biotechnology utilizing molecular biology techniques to explore microbes in the water, soil and other environments. Our research activities aimed at benefitting human health, monitoring the status of the water environment associated with chemical and biological pollutions and improving agriculture production.

e-mail: lsamuel@unimas.my

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GRADUATE PROGRAMMES

Niche Areas for Graduate Programme include:

TROPICAL BIODIVERSITY

- ECOLOGY
- SYSTEMATICS
- MARINE BIOLOGY
- ETHNOBIOLOGY
- EVOLUTIONARY BIOLOGY
- TAXONOMY

ENVIRONMENTAL MANAGEMENT

- WATER QUALITY
- ENVIRONMENTAL POLLUTION
- ENVIRONMENTAL
- MICROBIOLOGY
- CONSERVATION BIOLOGY

ENVIRONMENTAL CONSERVATION

- POLICY & GOVERNANCE
- RESOURCE MANAGEMENT
- ECOSYSTEM SERVICES
- ENVIRONMENTAL ECONOMICS

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GRADUATE PROGRAMMES

Research Program

MASTER BY RESEARCH PROGRAMMES

Entry Requirements:

A Bachelor degree with a minimum CGPA of 2.75 or equivalent, as accepted by the Senate; or

A Bachelor degree or equivalent with at least CGPA of 2.50 and did not achieve CGPA of 2.75, may be admitted depends on rigorous internal evaluation, or

A Bachelor degree or equivalent but with CGPA less than 2.50, may be admitted subject to a minimum of 5 years working experience in the relevant field.

For international students, a minimum IELTS Score of 5.0 or its equivalent (eg. TOEFL-525; TOEFL Computer Test – 196; TOEFL Internet Test 69-70 or MUET Band 3) is required (as approved by Senate Nos. 01/2020 – 186)

Other equivalent qualifications approved by the Senate.

Duration of Study:

The normal duration of study for a Master's degree (by research) is (2-4) years full-time or (3-6) years part-time.

PHD BY RESEARCH PROGRAMMES

Entry Requirements:

A Master Degree with good pass from an approved university in an area relevant to the candidate's proposed area of research.

Other equivalent qualifications approved by the Senate

For international students, a mInimum IELTS Score of 5.0 or its equivalent (eg. TOEFL-525; TOEFL Computer Test – 196; TOEFL Internet Test 69-70 or MUET Band 3) is required (as approved by Senate Nos. 01/2020 – 186)

Other equivalent qualifications approved by the Senate.

Duration of Study:

For a PhD, the normal duration is (3-6) years full-time and (4-8) years part-time.

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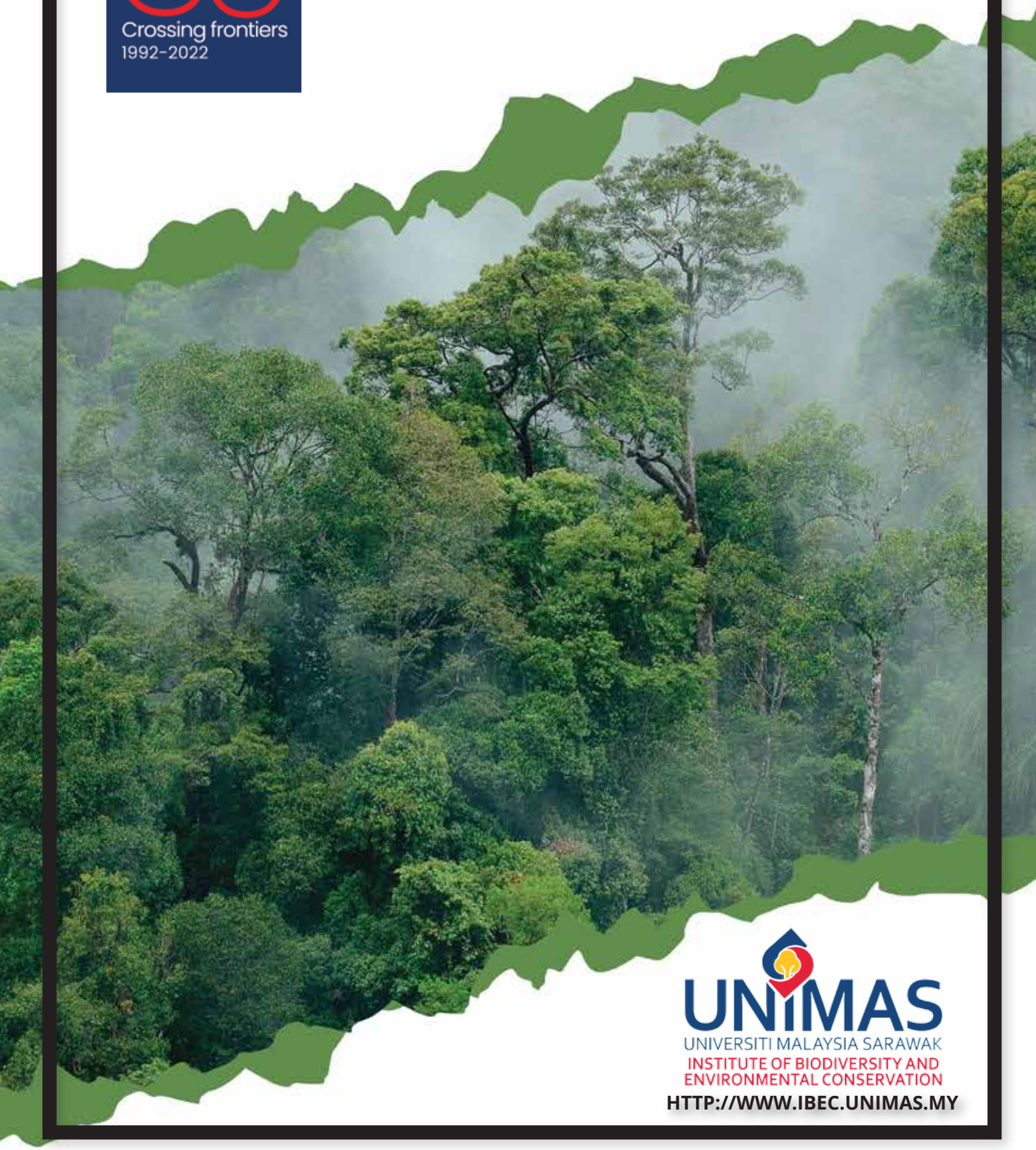
30 years
Crossing frontiers
1992-2022



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