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KONFERENS & SEMINAR

19/06/2021 / Unit Komunikasi Penyelidikan & Visibiliti (UKPV), TNCPi

MISA9 2021
9th Malaysian International Seminar on Antarctica

Polar Regions Matter in Our Climate Crisis

25-27th October 2021
Universiti Teknologi MARA
UiTM Shah Alam, Selangor

Webinar
AfOPS Webinar: Opportunities and Capacity Building
25th October 2021

Workshop I
Teleconnection: Linking Polar to the Tropical Region
25th October 2021

Workshop II
Transcriptomic Insights on Polar Fungi Response to Climate Change
25th October 2021

MISA9 Background
The 9th Malaysian International Seminar on Antarctica (MISA9) is a biennial event which brings together researchers from various polar and non-polar nations to share their research findings as well as to generate interest on Antarctica or polar in general. The theme of MISA9 is 'Polar Regions Matter in Our Climate Crisis'. The programme includes sessions on Policy and Governance, Biological Sciences, Physical Sciences as well as two concurrent workshops.

MISA9 Invitation
Climate Crisis: The Polar Regions in a 2°C Warmer World - what is the connection and impact of such scenario to the mid-latitudes and the tropics?
The mid-latitudes and the tropics are the Earth's climate hot spot that suffer from the climate crisis and climate change from both poles. The warming of Arctic imposes pressures on the cities, people and food production in these already stressed areas.
Additionally, the warmed Antarctic ecosystems are vulnerable to state shifts and species invasions. The loss of land ice in both regions will contribute substantially to global sea level rise.
The key aim of MISA9 is to provide a platform to share and discuss polar climate variability, atmospheric dynamics, polar oceanography, climate and sea ice modeling, as well as biological response and adaptation. We hope that the papers presented and shared data can be used towards creating mitigation measures, policies and international cooperation and networking.
The 9th Malaysian International Seminar on Antarctica (MISA9) is jointly organized by Ministry of Environment and Water (KASA), Universiti Teknologi MARA (UiTM), Yayasan Penyelidikan Antartika Sultan Mizan (YPASM) and National Antarctic Research Centre (NARC), Malaysia.
We cordially invite you to participate in this polar sciences seminar.

Important dates
15th July 2021 : Deadline for submission of abstracts 30th September 2021 : Deadline for Early Bird registration
1st August 2021 : Notification of acceptance of papers 28th February 2022 : Submission of full papers

Keynote Speaker
Prof. Dato' Dr. Azizan Abu Samah
(National Antarctic Research Centre, Malaysia)
Title : Polar regions matter to the tropics: a case of continuity of the global system

Plenary Speaker : Policy and Governance
Assoc. Prof. Dr. Daniela Liggett
(University of Canterbury in Christchurch, New Zealand)
Title : Unprecedented, unexpected and unbidden: The COVID-19 pandemic and its consequences for Antarctic governance and research

Plenary Speaker : Biological Sciences
Prof. Dr. Satoshi Imura
(National Institute of Polar Research, NIPR, Japan)
Title : Transition of Antarctic terrestrial ecosystem after the last glacial maximum – a view from lake bottom

Plenary Speaker : Physical Sciences
Dr. Thomas Bracegirdle
(British Antarctic Survey)
Title : Winds of change: the past and future of winds over the Southern Ocean and Antarctica

Seminar and Workshop Registration Fees

CATEGORIES		LOCAL (RM)	INTERNATIONAL (USD)
Seminar	Student	Early Bird	80
		Regular	110
	Participant	Early Bird	150
		Regular	180
Seminar & Workshop	Student	Early Bird	110
		Regular	150
	Participant	Early Bird	180
		Regular	220

We are pleased to invite you to the 9th Malaysian International Seminar on Antarctica (MISA9) that will be held on 25-27 October 2021 via Virtual and Physical Presentations (hybrid mode). MISA is a biennial event which brings together researchers from various polar and non polar nations to share their research findings as well as to generate interest on Antarctica or polar in general. The theme of MISA9 is 'Polar Regions Matter in Our Climate Crisis'. The programme includes sessions on Policy and Governance, Biological Sciences, Physical Sciences, a webinar, as well as two concurrent workshops.

This conference is jointly organized by Ministry of Environment and Water (KASA), Universiti Teknologi MARA (UiTM), Yayasan Penyelidikan Antartika Sultan Mizan (YPASM) and National Antarctic Research Centre (NARC), Malaysia.

The key aim of MISA9 is to provide a platform to share and discuss polar climate variability, atmospheric dynamics, polar oceanography, climate and sea ice modeling, as well as biological response and adaptation. We hope that the papers presented and

shared data can be used towards creating mitigation measures, policies and international cooperation and networking.

MISA9 2021
9th Malaysian International Seminar on Antarctica

Workshop I
Tropical Antarctic Teleconnection
25th October 2021

In conjunction with the 9th Malaysian International Seminar on Antarctica (MISA9), October 2021, workshop on Tropical Antarctic Teleconnections (TATE) with the theme : Teleconnection: Linking polar to the tropical region will be held on the 25 October 2021.

Teleconnections refer to the statistically significant climate variability links between non-contiguous geographic areas. Understanding these teleconnections have become extremely important to climate science in the face of a rapidly warming world.

The workshop aims to enhance understanding of advances in research on tropical–polar teleconnections and review our current understanding of the processes linking the tropics to Antarctica, which are not well understood yet critical to the future trajectory of the Antarctic climate.

This workshop is co-sponsored by Tropical Antarctic Teleconnections (TATE), the action group under Scientific Committee on Antarctic Research (SCAR).

Workshop II
Transcriptomic Analysis of Polar Fungi: Applications of NGS and Methods of RNA-Seq Analytics for Climate Change Studies
25th October 2021

Introduction
This 1 Day Online workshop on Next Generation Sequencing (NGS) and RNA Sequencing Data Analysis will focus on de novo and reference genome analysis pipelines. For both the pipelines, we will demonstrate how to analyse step by step the raw data, conduct data filtering, check for Quality Control (QC), assemble the transcripts, annotate the identified organelle and to analyse differential gene expression.

The online demonstration will use command lines via a virtual Linux that runs on Windows apps. Participants will be able to view the demonstration on-screen and provided with a pdf manual containing basic command lines used in the workshop.

Introductory lectures will include the experimental design of transcriptomics in polar fungi and climate change studies, and the application of Next Generation Sequencing (NGS) on fungi. This workshop is designed for bioinformaticians, biologists, biomedical researchers and postgraduate students.

Objectives

- Learn to design a transcriptomic experiment on climate change
- Learn the methods of de novo and reference genome analysis
- Provide key points and tips for getting the best results.
- Interpretation of the results.

AFOPS Webinar : Opportunities and Capacity Building

Asian Forum for Polar Sciences
AFOPS

In conjunction with the 9th Malaysian International Seminar on Antarctica (MISA9), followed by the Annual General Meeting of the Asian Forum for Polar Sciences (AFOPS), which will be held on the week of 28th to 29th October 2021, the secretariat is planning to host a webinar on opportunities and capacity building especially for the advancement of the early career scientist.

The webinar, planned as the online sharing session is to introduce the available opportunities and capacity building, i.e., fellowship, scholarship, training, visiting scientist program and any collaboration.

Date : 25th October 2021
Time : 0900 - 1030 UTC (1700 – 1830 MYT)

To register please scan QR code

Contact us
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Registration (EDAS System)
<https://edas.info/doc/features.html>

misa9@uitm.edu.my <https://misa9.uitm.edu.my>

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Submit your abstract here: <https://edas.info/doc/features.html>

Kindly click the link below for more info and registration:

<http://misa9.uitm.edu.my/>

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