



Seminar and Training Workshop on ANTARCTIC RESEARCH IN UNIVERSITI MALAYA

27 June – 1 July 2005
Universiti Malaya
Kuala Lumpur



First Announcement

Date

Seminar: June 27 and 28, 2005 (Monday and Tuesday)
Workshop: June 29 to July 1, 2005 (Wednesday to Friday)

Venue

University of Malaya, Kuala Lumpur, Malaysia

Registration Fees:

Seminar: RM 300 (RM 100 for students)
Workshop: RM 300

Call for papers

Papers are invited for oral and poster presentations. Please submit a one-page, 300 word maximum abstract with your *registration form* (also available online at <http://www.ippp.edu.my/antartika>).

Deadline for submission of Abstracts

3 March 2005

Who should attend?

- Researchers who wish to know more about the white continent
- Postgraduate, undergraduate, school students who are Malaysia's future polar scientists
- Government and corporate decision-makers to learn why they should support polar research
- The man-in-the-street to learn about the intrinsic relationship between what is happening at the polar regions and the effects on the rest of the world

Visit us at:

<http://www.ippp.um.edu.my/antartika>

**REGISTRATION FORM
SEMINAR AND WORKSHOP ON
ANTARCTIC RESEARCH IN UNIVERSITI MALAYA**

Name: _____

Title/Position: _____

Address: _____

Postcode: _____ Country: _____

Tel: _____ Fax: _____

E-mail: _____

Title of presentation: _____

PAYMENT DECLARATION

Registration Fees	
≤ Seminar (RM 300)	RM _____
≤ Workshop (RM 300)	RM _____
TOTAL	RM _____

- I am enclosing a cheque/bankdraft (No: _____) for the total amount of RM _____ payable to **Bendahari Universiti Malaya**.

Date: _____ Signature: _____

Please send completed registration form and appropriate payment to:

Dr. Irene K. P. Tan (Email: itan@um.edu.my)
Secretariat, Seminar and Workshop on Antarctic Research in Universiti Malaya
Institute of Biological Sciences
University of Malaya
50603 Kuala Lumpur, MALAYSIA

Tel: 603 - 7967 4634 / 7967 6792
Fax: 603 - 7967 4178

Introduction

In conjunction with the 100 years celebration of Universiti Malaya (UM), Universiti Malaya Antarctic Research Group will organize a seminar to highlight the activities of UM staff and students in one of the nation's newest research endeavours, Antarctic Science. Ever since the Malaysian Antarctic Research Programme (MARP) was established in 1999, the group members have been travelling every year to undertake various studies in the areas of atmospheric, biological and geological sciences. This seminar aims to highlight UM's role and contribution to the MARP.

With the international community gearing up for the International Polar Year (IPY) programmes, this seminar would also be a timely opportunity to invite international Antarctic and Arctic researchers to elaborate on the focus and directions of the IPY.

To harness some of the expertise available, a *Training Workshop on Pigment Analysis of Antarctic Microorganisms* would be conducted after the Seminar. In recent years, there has been rapid development in the methodologies of pigment analysis, especially in terms of instrumentation and formula used for the analysis and quantification of pigments such as chlorophylls and carotenoids. It is timely that a workshop be held to train and update Malaysian scientists on the latest methodologies used in pigment analysis.

The trainers of the workshop include Dr Simon Wright from the Australian Antarctic Division and Dr Hideyaki Miyashita from Kyoto University, Japan.

Scientific Sessions

Topics covered by the Seminar/Workshop include:

- Climate Change
- Evolutionary Biology
- Southern Ocean
- Malaysia's International Polar Year (IPY) Initiatives and Opportunities for International Collaboration

Training Workshop on Pigment Analysis of Antarctic Microorganisms

The main objective of this workshop is to introduce participants to the latest methodologies in pigment analysis through a series of lectures and hands-on practical sessions. The course will comprise lectures covering the fundamental aspects of pigments in microorganisms (especially microalgae), including their distribution and roles. In addition, the use of the pigments as markers in taxonomy and ecology, and their applications in biotechnology will be highlighted. There will be both lectures and hands-on training using HPLC for pigment analysis.