

PUBLICATIONS AND SCIENTIFIC PRESENTATIONS OF RESEARCH
BY MARP SCIENTISTS

Scientific Journals

ML Teoh, WL Chu, H Marchant & SM Phang (2004)
Influence of Temperature on the Growth, Biochemical Composition and Fatty Acid Profiles of Six Antarctic Microalgae
Journal of Applied Phycology 16(6): 421-430

SM Phang & WL Chu (2004)
The University of Malaya Microalgae Culture Collection (UMACC) and Potential Applications of a Unique *Chlorella* from the Collection
Japanese Journal of Phycology 52 : 221 - 224

CY Wong, WL Chu, H Marchant & SM Phang (2004)
Growth Response, Biochemical Composition and Fatty Acid Profiles of Four Antarctic Microalgae Subjected to UV Radiation Stress
Malaysian Journal of Science 23(2): 103 - 118.

MD Albert, TE Tan, HT Ewe and HT Chuah (2005)
A Theoretical and Measurement Study of Sea Ice and Ice Shelf in Antarctica as Electrically Dense Media
Journal of Electromagnetic Waves and Applications (JEMWA) 19(14): 1973-1981

In Preparation for Journal Submission

MD Albert, TE Tan, HT Ewe and HT Chuah
"A Study of Active Microwave Remote Sensing of Sea Ice and Ice Shelf in Antarctica with Ground Truth Measurement"
(*In preparation*)

TE Tan, HT Ewe and HT Chuah
"Satellite Image Classification of Antarctica Terrain using Hierarchical Local Dynamic Thresholding and Homogeneity Grouping Approaches"
(*In preparation*)

ZA Abdul Rashid, MA Momani, S Sulaiman, MA Mohd Ali, B Yatim, G Fraser & N Sato
"Ionospheric TEC Measurement During the 23rd November 2003 Total Solar Eclipse at Scott Base Antarctica"
(*Submitted to Journal of Atmospheric and Solar Terrestrial Physics, Elsevier*)

ZA Abdul Rashid, S Sulaiman, MA Momani MA Mohd Ali, B YAtim & G Plank
"Ionospheric TEC During the 2003 Major Storm Events at Scott Base Antarctica"
(*Submitted to AGU-Radio Science Journal*)

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Response and Adaptation of Microalgae to the Changing Global Environment
In: Fumie Kasai (ed.) *Microalgae Culture Collections and the Environment*, pp. 177 - 195

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M Faradina, WO Wan Maznah, M Mansor & O Pozan (2002)
A Note on Antarctic Algae
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KL Thong, YY Wong & IKP Tan (2002)
Application of Molecular Techniques in Assessing Bacterial Diversity
Malaysian International Seminar on Antarctica: Opportunities for research, Kuala Lumpur.

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SM Phang *et. al.* (2003)
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SM Phang *et. al.* (2003)
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Seminar on Islands and Reefs, Kuala Lumpur.

A Siti Aisah, AW Azlina & O Suhaila (2005)
Occurrence of Filamentous Microfungi from Windmill Island, Antarctica
Seminar on Antarctic Research in University Of Malaya, University of Malaya, Kuala Lumpur.

A Siti Aisah, O Suhaila, F Faizah & S Vikineswary (2005)
Effect of Media, Sea Water, Temperature and pH on the Growth of Selected Antarctic Fungi
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MD Albert, S Syabeela, TE Tan, HT Ewe and HT Chuah (2005)
Theoretical Modelling and Analysis of Radar Backscatter in Antarctica
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S Leelatulasi, GYA Tan & IKP Tan (2005)
Expedition to Maitri and Assessment of Bacteria Diversity in Environmental Samples
Seminar on Antarctic Research in University Of Malaya, University of Malaya, Kuala Lumpur.

SM Phang *et. al.* (2005)
I) Influence of Salinity on the Growth and Fatty Acid Profiles of Two Antarctic Microalgae
II) Growth Response and Fatty Acid Profiles of Antarctic, Tropical and Temperate Microalgae Subjected to Ultraviolet Radiation (UVR) Stress
III) How do Antarctic, Tropical and temperate Microalgae Respond to Temperature Stress ?
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V Sharmila, M Misni M & IKP Tan (2005)
Screening of Antarctic Bacteria for the Ability to Produce Biosurfactants
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YS Goh, GYA Tan & IKP Tan (2005)
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Seminar on Antarctic Research in University Of Malaya, University of Malaya, Kuala Lumpur.

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First Malaysian Collection of Microalgae from Antarctica
Asia-Pacific Conference on Marine Science & Technology, Kuala Lumpur.

SM Phang *et. al* (2002)
Characteristics of Microalgae Isolated from the Windmill Islands
9th International Congress on Applied Algae, Almeria, Spain.

WL Chu, PL Heng, H Marchant & SM Phang (2005)
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Development of Molecular Techniques to Analyse Bacterial Diversity in Two Antarctic Specially Protected Area (ASPA) Sites Around Casey Station

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M Faradina, WO Wan Maznah, M Mansor, WA Wan Asmadi (2005)

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M Mansor & ER Marshoff (2005)

The Distribution of Common Bore Species from Peninsular Antarctica to Tierra Del Fuego

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Tan ASH, Yasin Z. & Mansor M (eds) (2005)

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Algal Based Model to Infer Water Quality Characteristics

Regional Conference on Ecological and Environmental Modeling (ECOMOD 2004), Penang, Malaysia.

Z Latiffah, AR Rashidah & M Faradina (2005)

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Growth Response, Biochemical Composition and Fatty Acid Profiles of Six Antarctic Microalgae Subjected to Temperature Stress
1st SCAR Open Science Conference "Antarctica and the Southern Ocean in the Global System", Bremen, Germany.

ZA Abdul Rashid, MA Momani & MA Mohd Ali (2004)
Initial Results of Ionospheric Scintillation Measurements During a Minor to Major Storm Event on November 2002 at Scott Base Antarctica
1st SCAR Open Science Conference "Antarctica and the Southern Ocean in the Global System", Bremen, Germany.

ZA Abdul Rashid, S Sulaiman, MA Mohd Ali & G Plank (2004)
Initial Results of GPS Ionospheric TEC and Ionosonde Measurement During a Minor to Major Storm Event on November 2002 at Scott Base Antarctica
1st SCAR Open Science Conference "Antarctica and the Southern Ocean in the Global System", Bremen, Germany.

SM Phang *et. al.* (2004)
I) Growth Characteristics and Fatty Acid Profiles of the Antarctic Soil Alga *Stichococcus* UMACC 235
II) Effect of Culture Temperature on the Growth, Biochemical Composition and Fatty Acid Profiles of Six Antarctic Microalgae
III) Growth Response, Biochemical Composition and Fatty Acid Profiles of Four Antarctic Microalgae Subjected to UV Radiation Stress
IV) Collection of Microalgae from the Windmill Islands Region, Antarctica
2nd Malaysian International Seminar on Antarctica: Global Laboratory for Scientific and International Cooperation, Penang, Malaysia.

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Effects of UV Radiation Stress on the Growth, Biochemical Composition and Fatty Acid Profiles of Four Antarctic Microalgae
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A Siti Aisyah (2005)
Occurrence of Filamentous Microfungi and Effects of Nutrient, pH, Temperature and Salinity on Growth of Selected Antarctic Soil Fungi from Windmill Islands
International Botanical Congress IBC VXVIII, Centre University of Vienna, Vienna, Austria.

A Siti Aisyah & AW Azlina (2005)
Occurrence of Filamentous Microfungi from Windmill islands, Wilkes lands, Antarctica
IX SCAR International Biology Symposium: Evolution and Biodiversity in Antarctica, Curitiba, Brazil.

A Siti Aisah, O Suhaila, F Faizah & S Vikineswary (2005)
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The Antarctic Runnel Algae
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II) Do Antarctic, Temperate and Tropical Microalgae Respond Differently to Temperature Stress?
III) Identification of Proteins Showing SOD Activity in the Antarctic Chlorophyte *Chlamydomonas* UMACC 229
4th Asian-Pacific Phycological Forum (APPF), Bangkok, Thailand.

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International Conference on Innovations and Technologies in Oceanography for Sustainable Development (ITOS), Kuala Lumpur, Malaysia.

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Can Antarctic Microalgae Serve as Indicators of Global Warming?
8th International Phycological Congress (IPC), Durban, South Africa.
Phycologia 44(4) suppl. p. 80 (2005)

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10th International Conference on Applied Phycology, Kunming, China.

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Observation of Lichen at Casey Station and Esperanza Station
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Ionospheric TEC Measurement at Scott Base Antarctica during the Solar Eclipse of November 2003
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