

プログラム

アジア地域の微生物研究ネットワークに関するシンポジウム

— 微細藻類の生理活性物質，毒性，多様性，系統分類及び系統保存 —

Program of Symposium on Asian Network on Microbial Researches (ANMR)

- Physiological Potency, Toxicology, Diversity, Systematics and Culture Collection of Microalgae -

共催 国立環境研究所，理化学研究所，日本藻類学会

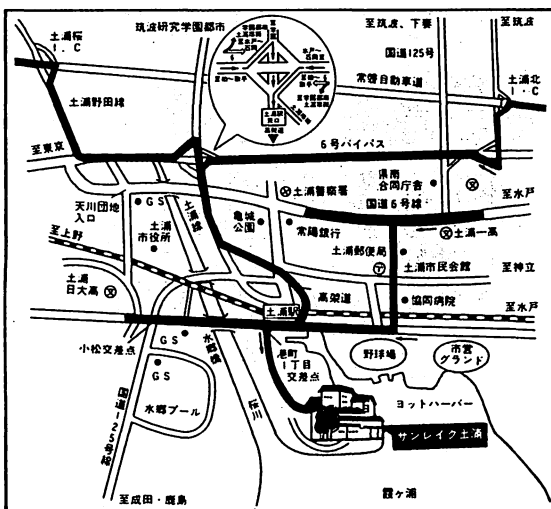
後援 日本微生物資源学会，(財)地球人間環境フォーラム

日時 1997年3月23日(日)，24日(月)

会場 サンレイク土浦 (公立学校共催組合)：地図参照
茨城県土浦市港町 3-30-23 TEL:0298-22-2001, FAX:0298-23-2278
JR線：土浦駅東口下車 (徒歩 15分，タクシーなら基本料金内)
常磐高速道路：土浦北インター又は土浦桜インター下車，6号バイパスより高架道にて
JR土浦東口にて。

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参加希望者は上記宛連絡下さい。(シンポジウム参加料は無料です。懇親会参加希望者は3月10日まで連絡下さい。懇親会参加料4000円を当日支払い下さい)



3月22日

18:00-22:00 Welcoming get - together

第1日目 (3月23日)

08:30 Registration

Opening Ceremony

09:00 Opening addresses

Gen Ohoi (Deputy Director of National Institute for Environmental Studies, Japan)

Ikuko Ishikawa (President of the Japanese Society of Phycology, Japan)

09:10 Asian Network on Microbial Researches

Takashi Nakase (Institute of Physical and Chemical Researches, Japan)

Session 1: Physiological Potency and Toxicology of Microalgae.

09:25 Introduction

Kunimitsu Kaya (National Institute for Environmental Studies, Japan)

09:30 The major chlorophyll-a/b proteins in microalgae

Speaker: Kaori Ohki (Tokai University, Japan)

09:45 c-Type cytochromes in Cyanobacteria

Speaker: Kwok Ki Ho (National University of Singapore, Singapore)

10:00 Control of charcoal rot disease in mung bean by microalgal extract

Speaker: Aparat Mahakhant (Thailand Institute of Scientific and Technological Researches, Thailand)

10:15 Coffee Break

10:45 Technology developed from the physiological potency of nitrogen-fixing blue-green algae

Speaker: Yong-ding Liu (Institute of Hydrobiology, Chinese Academy of Sciences, P.R.China)

11:00 Microalgal research at Kasetsart University: An overview

Speaker: Napavarn Noparatnaraporn (Kasetsart University, Thailand)

11:15 Fatty acid profile of some freshwater microalgae isolated in Thailand

Speaker: Wichien Yongmanitchai (Kasetsart University, Thailand)

11:30 Optimization of omega-3 fatty acids from marine microalgae

Speaker: Penkhae Anankusri (Naresuan University, Thailand)

11:45 Use of microalgae in bioremediation of agroindustrial wastes and heavy metal wastes

Speaker: Phang Siew Moi (Malaya University, Malaysia)

12:00 Lunch

13:30 Amphidinols as a possible defence chemical produced by dinoflagellate *Amphidinium klebsii* against other epiphytic microbes

Speaker: Michio Murata (University of Tokyo, Japan)

- 13:45 Isolation of bioactive compounds in cyanobacteria from Chinese freshwaters.
Speaker: Tomoharu Sano (National Institute for Environmental Studies, Japan)
- 14:00 Microcystin production of toxic *Microcystis viridis* under different culture conditions.
Speaker: Lirong Song (Institute of Hydrobiology, Chinese Academy of Sciences, P.R.China)
- 14:15 Determination of microcystins from cyanobacterial waterblooms in Thailand freshwaters.
Speaker: Kunimitsu Kaya (National Institute for Environmental Studies, Japan)
- 14:30 Effects of the toxic *Microcystis* on fishes and water quality.
Speaker: Jiawan He (Institute of Hydrobiology, Chinese Academy of Sciences, P.R.China)
- 14:45 Grazing on toxic cyanobacteria by tadpole of an edible frog.
Speaker: Xiaoming Zhang (National Institute for Environmental Studies, Japan)
- 15:00 Degradation of toxic algae, *Microcystis viridis* using predatory function of microanimals.
Speaker: Yuhei Inamori (National Institute for Environmental Studies, Japan)
- 15:15 Coffee Break

Session 2: Diversity and Systematics of Microalgae

- 15:50 Introduction
Makoto M. Watanabe (National Institute for Environmental Studies, Japan)
- 16:00 Prasinophyceae in Asia-Pacific waters: diversity and phylogeny
Speaker: Takeshi Nakayama (University of Tsukuba, Japan)
- 16:15 Systematics of haptophyte algae in Japanese and Asia-Pacific waters
Speaker: Isao Inouye (University of Tsukuba, Japan)
- 16:30 Survey on Chlorococcales in China - past, present and future.
Speaker: Zhengyu Hu (Institute of Hydrobiology, Chinese Academy of Sciences, P.R.China)
- 16:45 Announcement
- 18:00 Banquet

2日目 (24日)

- 09:30 The status of plankton diversity in Thailand
Speaker: Ladda Wongrat (Kasetsart University, Thailand)
- 09:45 Systematic and species diversity of microalgae: Distribution of cyanobacteria in central part of Thailand.
Speaker: Suriya Sasanarakkit (Thailand Institute of Scientific and Technological Researches, Thailand)
- 10:00 Protozoa in Thailand: An overview
Speaker: Nuntaporn Charubhun (Kasetsart University, Thailand)
- 10:15 Coffee Break
- 10:45 A phenological study on *Microcystis* in Naktong River, Korea.
Speaker: Jin Ae Lee (Inje University, Korea)

- 11:00 Classification of the bloom-forming cyanobacterial genus *Microcystis*: A reconsideration.
Speaker: Shigeto Ohtsuka (University of Tokyo, Japan)
- 11:15 Fatty acid composition of planktonic *Anabaena* (Cyanobacteria) and its taxonomic value.
Speaker: Renhui Li (University of Tsukuba, Japan)
- 11:30 Taxonomic study of *Oscillatoria agardii* complex (Cyanobacteria) from China and Thailand.
Speaker: Shoichiro Suda (Global Environmental Forum, Japan)
- 11:45 Lunch
- 13:15 A phylogenetic study on *Phacus* (Euglenophyta)
Speaker: Zhi-xin Shi (Institute of Hydrobiology, Chinese Academy of Sciences, P.R.China)
- 13:30 Pigments and fatty acids of the marine raphidophytes: A chemotaxonomic contribution.
Speaker: Anika S. Mostaert (National Institute for Environmental Studies, Japan)
- 13:45 Comparative study on *Nautococcus* - A rare single cell alga of Chlorococcales.
Speaker: Zhengyu Hu (Institute of Hydrobiology, Chinese Academy of Sciences, P.R.China)

Session 3: Culture Collection of Microalgae and Protozoa

- 14:00 Introduction
Mikiya Hiroki (National Institute for Environmental Studies, Japan)
- 14:10 The culture collection of algae at Ocean University of Qingdao at P.R.China
Speaker: Jianhua Sun (Ocean University of Qingdao, P.R.China)
- 14:25 Taxonomic re-examination of a Chinese strain (CCFA 646) labeled "*Eudorina* sp.", based on morphological and DNA sequence data
Speaker: Hisayoshi Nozaki (University of Tokyo, Japan)
- 14:40 Coffee Break
- 15:15 Purification of freshwater picoplanktonic cyanobacteria using low temperature agarose
Speaker: Makoto M. Watanabe (National Institute for Environmental Studies, Japan)
- 15:30 Cryopreservation of cyanobacteria in NIES collection.
Speaker: Fumi Mori (Global Environmental Forum, Japan)
- 15:45 CCAP - NIES collaboration 1991 - 1997 : Ex situ conservation of protistan biodiversity
Speaker: John G. Day (Culture Collection of Algae and Protozoa, UK)
- 16:00 Specification of database system useful for identification of *Anabaena* spp.(Cyanobacteria)
Speaker: Mikiya Hiroki (National Institute for Environmental Studies, Japan)
- 16:15 Closing address
Yong-ding Liu (Institute of Hydrobiology, Chinese Academy of Sciences, P.R.China)
- 16:20 Announcement

3月25日

Excursion: Study tour (Tsukuba Science City - Lake Kasumigaura)