

【会議名】

第 6 回アジア天然物会議 (Q-AOS)

【期日】 2021.05.13

【会場】九州大学伊都キャンパス・唐津サテライト(日本)、近畿大学福岡キャンパス(日本)、琉球大学(日本)、フィリピンビサヤ大学(フィリピン)、アル=アズハル大学(エジプト)

【概要】

エジプト、フィリピン、日本の合計 4 大学から 7 人の研究者が発表する、天然素材を用いた 6 回目のアジア天然物会議(海洋天然物)が行われました。

海洋天然物をテーマとし、海洋生態学、海洋生物学、海洋化学、生理活性物質に関する話題が提供され、興味深く、新規性のある天然物機能研究の現状が発表され、今後の展望について活発に議論がなされました。

Metabolites from mesophotic coral ecosystems

- sponge *Paragranthia* cf. *waguensis*  
habitat: 20-50 m  
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Chem. & Biodiver. 2009, 6, 1374-7.
- sponge *Leucetta* sp.  
habitat: 45 m  
CCCCCCCCCCCCCCCCC(O)CN(C)C  
Marine Drugs 2011, 9, 352-6.
- sponge *Callyspongia* sp.  
habitat: 40-45 m  
CCCCCCCCCCCCCCCCC(O)C  
Nat. Prod. Comm. 2017, 12, 1909-11.
- bryozoan *Calyptotheca* sp.  
habitat: 55-60 m  
CCCCCCCCCCCCCCCCC(O)S(=O)(=O)[Na]  
Nat. Prod. Res. in press.

田中 淳一先生が発表したスライドの一例

Aquaculture: Culture of Aquatic plants and animals

Million tonnes

200  
100  
0

1950 1970 1990 2000 2018

Aquaculture  
Capture fisheries

Source: FAO, 2020

World of Aquaculture

China 31.8%

India 17.2%

Indonesia 10.1%

Others 30.9%

Tapas Chakraborty さんが発表したスライドの一例

Tasmania

Bathurst Harbor

This color caused by "Tannin" from button grass (*Gymnoschoenus sphaerocephalus*).

<http://tasmania.com.au/whites5170550.html>

<http://tasmania.com.au/whites5170550.html>

松本雅子さんが発表したスライドの一例

Genetically modified silkworms can be used for,

Antibody  
Enzyme  
Vaccine  
Collagen

Medicinal and cosmetic products

Safe | Effective |

Toxicity assay system and human disease models

Development of genome-engineering technologies and protein production system

Fluorescent silk

Harsha Prakash さんが発表したスライドの一例



オーガナイザーの清水准教授(左上)、大貫教授(右上)、参加者の太田耕平准教授(左下)、智文宮本准教授(右中)、Enos Tangke Arung 教授(右下)



会議終了後の集合写真

**【Event】**

6<sup>th</sup> Asian Natural Products Conference (Q-AOS)

**【Date】** 2021.02.26

**【Venue】** Kyushu University Ito Campus (Japan), Kindai University Fukuoka Campus (Japan), Kyushu University Karatsu Satellite (Japan), Ryukyu University (Japan), University of the Visayas (Philippines), Al-Azhar University (Egypt)

**【Overview】**

The Sixth International Asian Natural Products Conference was held on May 13<sup>th</sup>, 2021. Seven researchers from five universities in Japan, Philippines, and Egypt presented about the natural products, especially from ocean.

Themed in marine natural products, wide range topics such as marine ecology, marine biology, marine chemistry, phytochemistry, and biochemistry, as well the interesting novel research and the future prospect were actively discussed.

Metabolites from mesophotic coral ecosystems

Chem. & Biodiver. 2009, 6, 1374-7.  
Marine Drugs 2011, 9, 382-6.  
Nat. Prod. Comm. 2017, 12, 1909-11.  
Nat. Prod. Res. in press.

A slide presented by Prof. Junichi Tanaka

Aquaculture: Culture of Aquatic plants and animals

Source: FAO, 2020

A slide presented by Prof. Tapas Chakraborty

Tasmania

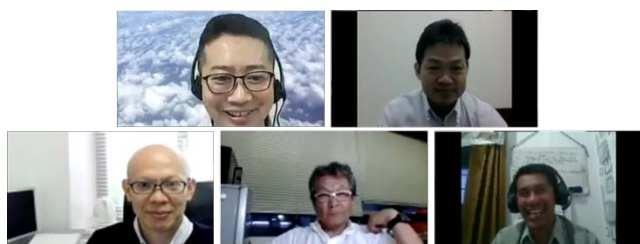
Bathurst Harbor  
This color caused by "Tannin" from button grass (*Gymnoschoenus sphaerocephalus*).

A slide presented by Dr. Masako Matsumoto

Genetically modified silkworms can be used for,

Antibody, Enzyme, Vaccine, Collagen  
Medical and cosmetic products  
Safe | Effective!  
Toxicity assay system and human disease models  
Development of genome engineering technologies and protein production system  
Fluorescent silk

A slide presented by Ms. Harsha Prakash



The organizers: Prof. Shimizu (upper left) and Prof. Ohnuki (upper right). The chairs: Prof. Kohei Ohta (lower left), Prof. Tomofumi Miyamoto (lower center) and Prof. Enos Tangke Arung (lower right).



Group photo at the end of the conference