
Japan, Taiwan and the Philippines

Joint KUROSHIO Workshop in Kochi

**Recent Changes in the Seaweed Ecosystem along Kuroshio
Current: *Towards Collaborative Rehabilitation of the 'Cradle
of Fishes'***

21-22 November 2007

**Media Hall (6F), Library Building,
Asakura Campus, Kochi University**

**Graduate School of Kuroshio Science
Kochi University**

Japan, Taiwan and the Philippines

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Recent Changes in the Seaweed Ecosystem along Kuroshio Current: *Towards Collaborative Rehabilitation of the 'Cradle of Fishes'*

Owing to natural and human-oriented factors such as global warming, economic development, and livelihood sustenance, etc., marine conditions especially in the coastal areas along the Kuroshio Current flowing from the Philippines to Japan via Taiwan are gradually deteriorating. How do people who reside in these countries deal with the situation, and how do they cope with the coastal environmental problems which are affecting each country's borders? Towards the protection and rehabilitation of the coastal environment, with special reference to seaweed-based ecosystem so-called 'a Cradle of Fishes', the Graduate School of Kuroshio Science in Kochi University is carrying out joint investigation with representative universities and government agencies in Taiwan and the Philippines. This workshop is being convened with the following objectives: (1) to understand the present status of seaweed ecosystem; (2) to identify the problems and constraints; and (3) to identify priority collaborative study areas aimed at providing recommendations and strategies for seaweed-based ecosystem rehabilitation and protection.

1st day (Wednesday, 21 November 2007)

Part 1 Opening

10:00-10:05 Announcements/instruction

10:05-10:10 Opening Remarks

M. Takahashi 1

10:10-10:30 Introductory Remarks

Y. Morooka 2

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- Part 2 Keynote Address*** (chaired by K. Yamaoka)
- 10:30-11:00 *Coastal environment and seaweed ecology in Japan
- *K. Okuda* ☺
- 11:00-11:30 *Recent advances in Marine Protected Area and resource
management in the Philippines
- *W. L. Campos*
- Part 3 Output Presentation** (chaired by Y. Iiguni)
- 11:30-11:50 Recent changes in the distribution of *Sargassum* species in
Kochi, Japan – *H. Haraguchi* ☺ & *S. Sekida* ☺
- 12:00-13:00 -----Lunch Break-----
- 13:00-13:20 Marine resources in areas along Kuroshio in Cagayan Valley
Region, Phil. – *J. Ayson*, ☺ & *A. Encarnacion*
- 13:20-13:40 Permanent research site for studying the interrelationships
among seaweed, fish, hermatypic coral and sea urchin near
Kochi City - *K. Yamaoka* ☺
- 13:40-14:00 Roles of temperature and precipitation on geographic
difference of intertidal macroalgal abundance and assemblage
structure along Taiwan - *T.M.Lee* ☺ & *J.Y.Wu*
- 14:00-14:20 Seaweed-bed associated fishes in Lagonoy gulf in Bicol,
Philippines: with emphasis on siganids (*Teleostei siganidae*)
- *V. Soliman*
- 14:20-14:40 Socio-economic conditions in Atulayan MPA in Camarines
Sur, Philippines - *R. Bradencia*
- 14:40-15:00 Wise-use of “Coral Sea”: a case of Kashiwajima Island in
Kochi, Japan - *T. Shimbo* ☺
- 15:00-15:15 -----Break-----
- 15:15-15:45 *Ecological environment in the area along Kuroshio in
Taiwan - *H. K. Mok*

Part 4 **General Discussion**

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| 15:45-15:55 | Comment | <i>J. Tanangonan</i> |
| 15:55-17:15 | Discussion | <i>(chaired by . S.Jegatheesan,
K. Okuda & Y. Morooka)</i> |
| 17:15-17:20 | Closing remarks | <i>Y. Morooka</i> |

Part 5 **Reception**

- 19:00-21:00 at 'KEMARI', a traditional Japanese restaurant

2nd day (Thursday, 22 November 2007)

Part 6 **Workshop proper**

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| 9:30-12:00 | Workshop |
| 12:00-13:00 | -----Lunch break----- |

Part 7 **Excursion**

- 13:00-17:00 Kochi University (Asakura).....Chikurin-
temple.....KatsurahamaMarine Science
Center....Susaki.....Nakamura...Sukumo...Otsuki

Stay over-night at Hotel Bellreef Otsuki

3rd day (Friday, 23 November 2007)

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| 9:30 | Check-out |
| 10:00-12:00 | NPO: Kuroshio Zikkan Center |
| 12:00-13:00 | -----Lunch break----- |
| 13:00-17:00 | Otsuki... Tatsukushi..... Ashizuri.....Kubokawa
.....Kochi Univ.....Hotel |