

CENSUS
OF MARINE LIFE



京都大学
フィールド科学教育研究センター
海域ステーション瀬戸臨海実験所
649-2211
和歌山県西牟婁郡白浜町459
Tel : +81-(0)739-42-3515
Fax : +81-(0)739-42-4518
<http://www.seto.kais.kyoto-u.ac.jp/>

助成  日本財団
The Nippon Foundation

SELECTED PAPERS OF THE NAGISA-JSPS WESTERN PACIFIC MARINE BIODIVERSITY CONFERENCE 2009

March 2010

SELECTED PAPERS OF THE NAGISA-JSPS WESTERN PACIFIC MARINE BIODIVERSITY CONFERENCE 2009

EDITED BY
Hyakubun Harada
and
YOSHIHISA SHIRAYAMA

Published by the
Seto Marine Biological Laboratory
Field Science Education and Research Center
Kyoto University
March 2010

KYOTO UNIVERSITY
PUBLICATIONS OF THE
SETO MARINE BIOLOGICAL LABORATORY
SPECIAL PUBLICATION SERIES
VOLUME X

**SELECTED PAPERS OF
THE NAGISA WESTPAC CONGRESS 2009**

EDITED BY
Hyakubun Harada
and
YOSHIHISA SHIRAYAMA

Seto Marine Biological Laboratory
Field Science Research and Education Center
Kyoto University

March 2010

“Publications of the Seto Marine Biological Laboratory, Special Publication Series” is the new name for the “Special Publications from the Seto Marine Biological Laboratory”, starting from Vol. VI. In the “Special Publication Series”, it is intended to publish the results of research and investigations on a specific subject in each volume, including taxonomic monographs. Volumes are issued at irregular intervals, divided into parts if necessary, and numbered in continuous sequence with the former series. The volumes of the “Special Publication Series” so far issued are as follows:

- Vol. I. Biological Results of the Japanese Antarctic Research Expedition 1-17. 1959-1962. Completed.
- Vol. II. Ecology and Biological Production of Lake Nakaumi and Adjacent Regions, Part I-Part II, No. 1-No. 5. 1964-1968. Continuing.
- Vol. III. Taxonomic Studies of Caprellids (Crustacea, Amphipoda, Caprellidae) Found In Japanese and Adjacent Waters. 1976. Completed.
- Vol. IV. Studies on Philippine Marine Red Algae. 1977. Completed.
- Vol. V. Haplostominae (Copepoda, Cyclopodia) associated with Compound Ascidiens from the San Juan Archipelago and Vicinity. 1977. Completed.
- Vol. VI. Studies of the Family Peridinidae, and Unfinished Monograph of the Armored Dinoflogellata. 1981. Completed.
- Vol. VII. A Catalogue of Molluscs of Wakayama Prefecture, The Province of Kii. I Bivalvia, Scaphopoda and Cephalopoda. 1981. Continuing.
- Vol. VIII. Selected Papers of the NaGISA World Congress 2006. 2007. Completed.
- Vol. IX. Selected Papers of the NaGISA Westpac Congress 2008.
- Vol. X. Selected Papers of the NaGISA Westpac Congress 2009.

CONTENTS

Foreword	
HYAKUBUN HARADA and YOSHIHISA SHIRAYAMA	i
NaGISA Western Pacific Conference Statement	
YOSHIHISA SHIRAYAMA	iii
Participants	iv
New species of Tethygenecia (Eurisidae: Amphipoda) and New Record of Algae-Living Gammarid Amphipods in South Sea Islands Marine National Park, Nakhon Si Thammarat Province, Thailand	
KORAON WONGKAMHAENG ANUCHIT DARAKRAI and PORNILP PHOLPUNTHIN	1
The Genus <i>Euthalenessa</i> (Sigalionidae: Polychaeta) from Thai and Japanese Waters	
CHARATSEE AUNGTONYA, DANNY EIBYE-JACOBSEN and TETSUYA KATO	21
Spatial and Temporal Variability of Intertidal Rocky Shore Bivalves and Gastropods in Sichang Island, East Coast of Thailand	
SUJITRA SAMAKRAMAN, GRAY A. WILLIAMS and MONTHON GANMANEE	35
Review Article	
Actual Status and Some Conservation Problems of Coastal Biodiversity in VietNam	
DANG NGOC THANH	47
Baseline Assessment of Seagrass Communities of Lubang and Looc Islands, Occidental Mindoro, Philippines	
GENIBETH E. GENITO, FENELYN M. NABUAB, CRISTY S. ACABADO, BELLA SHEILA ALBASIN and PACIFICO D. BELDIA II	53
Assessment of Marine Meiobenthic Assemblages in Transplanted Mangrove Forests along the Inner Gulf of Thailand	
CHITTIMA ARYUTHAKA and CHAWAPORN JITTANOON	65

Foreword

The NaGISA-JSPS Western Pacific Marine Biodiversity Conference 2009 was held at Elizabeth Rose Hall of United Nations University in Tokyo from 15th to 16th December 2009. A total of 76 participants joined the congress. They consisted of 17 from Japan, 15 from Vietnam, 14 from Thailand, 12 from Malaysia, 8 from Indonesia, 6 from Philippines, 2 from Mexico, 1 from Hong Kong (China), and 1 from Fiji (See the group photo). The congress was organized in an effort to facilitate the interaction of near shore benthic ecologists and taxonomists, to strengthen the connection between NaGISA and complementary projects, and to present research and results from the NaGISA projects carried out in the Western Pacific region. To reach to this goal, 57 presentations were given during the congress. The conference was an overall success initiating dialogue not only between countries but also specialties. The highlight of the event was adoption of the statement (printed in this volume) that encourages realization of projects related the biodiversity studies in the Western Pacific Region, i.e. ESABII (East and South East Asia Biodiversity Information Initiative) and AP-BON (Asia Pacific Biodiversity Observation Network).

This volume is a compilation of papers given at the NaGISA-JSPS Western Pacific Marine Biodiversity Conference. Fifty-two papers were submitted in the special volume of the Publication of Seto Marine Biological Laboratory (this issue). Unfortunately, due to very severe peer review and limitation of time for printing the issue, only six papers were accepted to be published. Other manuscripts were, however, not rejected at this moment, and papers properly revised will be accepted and printed in the regular issue of the Publication in the near future.

We would like to extend our deepest gratitude to all authors and reviewers, and our sincere thanks to the foundations that supported NaGISA-JSPS Western Pacific Marine Biodiversity Conference 2009: Nippon Foundation, Sloan Foundation, Biodiversity Center of the Ministry of Environment, Japan, and Japan Society for Promotion of Science.

Hyakubun Harada and Yoshihisa Shirayama
Kyoto University, NaGISA Westpac



The NaGISA Project is a Census of Marine Life Field Project with eight regional offices covering fifty-one coastal countries. Using global standards to answer local questions NaGISA members (researchers, managers, students) are producing the world's first near shore habitat specific global census. For more information or to see how you can participate please refer to : www.nagisa.coml.org

NaGISA Western Pacific Conference Statement

NaGISA applauds the developments initiated by Ministry of Environment Japan, namely the formation of AP-BON and EASBII. These two organizations will contribute to the synthesis and management of biodiversity information in East and South East Asia. This is especially important given the biodiversity richness, but also the knowledge gaps and great threats facing biodiversity in this region. As such, AP-BON and EASBII will provide stakeholders with up-dated overviews on the current status of local and regional biodiversity knowledge which can be used to help make sustainable management decisions. The importance of such information is widely acknowledged by governments worldwide in the battle to combat biodiversity loss and degradation, and to support restoration and rehabilitation, and is also recognized in the goals to be set by the CBD during COP10 as 2010+ targets, such as establishing more than 10% of coastal regions as marine protected areas.

AP-BON and EASBII will function through the assembly and synthesis of primary data about marine organisms supplied by organizations such as NaGISA, CoML, OBIS, and GBIF. These organizations form the basis of biodiversity information systems and are the keystones on which structures such as AP-BON and EASBII are constructed. The information NaGISA Western Pacific provides through funding support by the Nippon Foundation, JSPS and Sloan Foundation, using its wide network of marine scientists in the region, is of paramount importance to maintain the flow of primary marine data into management/observation organizations such as AP-BON and EASBII. Such research is needed to ensure a sound foundation on which to derive and synthesize biodiversity information. Continued investment is therefore needed at the grass roots level to fill fundamental gaps in our biodiversity knowledge and also to build the taxonomic capacity in the East and Southeast Asia region that will provide information at the scale necessary to tackle regional biodiversity issues.

Recognizing the importance of the establishment of the new movements of AP-BON and ESABII, NaGISA Western Pacific formally agrees to collaborate with, and contribute towards, these initiatives in the future.

Adopted on December 16, 2009, by all participants of the NaGISA-JSPS Western Pacific Marine Biodiversity Conference, held at United Nations University in Tokyo

Certified by the chairperson of the session



Yoshihisa Shirayama
PI, NaGISA Western Pacific

Participants

From Japan: ABE Kiyomi, FUJIKURA Katunori, HARADA Hyakubun, HORI Masakazu, ISE Yuji, MIYAZAKI Nobuyuki, NAKAOKA Masahiro, NAKANO Tomoyuki, OTSUKA Masako, SHIRAYAMA Yoshihisa, TANAKA Katsuhiko, TANAKA Yoshiyuki, TOJO Naoki, TORIGOE Kenji, YAMAMOTO Hiroyuki, YAMAMOTO Tomoyuki, YAMAZAKI Toshimi

From China (Hong Kong): WILLIAMS Gray A.

From Fiji: SKELTON Posa

From Inonesia: AZKAB Muhammad Husni, HIKMAH Thoha, KAWAROE Mujizat, KISWARA Wawan, SIRINGORINGO Rikoh Manogar, SUGEHA Hagi Yulia, SUSETIONO, Syahailatua Augy

From Malaysia: ABDUL ADZIS Kee-Alfian, AHMAD ISHAK Nurul Huda, KASSIM Zaleha Binti, MOHD RAZALLI Norhanis, MUNAWAR Khalil, OMAR Ahmad, SIM Yee Kwang, TEH chiew peng, TAN Shau Hwai, WONG W.S. Nur-Leena, Zulfigar Yasin, ZULFIKAR

From Mexico: Jorge, M. LOPEZ-CALDERON, Alvin Noé SUÁREZ CASTILLO

From Philippines: ALCANICES Marilyn Martinez, BECIRA Joel Gadia, CAMPOS Annabelle del Norte, CREENCIA, Lota Alcantara, EYA ANNA A., GENITO Genibeth Espanueva

From Thailand: ARYUTHAKA Chittima, AUNGTONYA Charatsee, BANTIWIWATKUL Sompong, BUSSARAWIT Somchai, DUANGDEE Teerapong, GANMANEE Monthon, JUALAONG Suthep, LERTKASETVITTAYA Narongrit, MONTHUM Yaowaluk, NOKKATE Natthawadee, PORNCHEI Khodeeyoe, PUTCHAKARN Sumaitt, YAOWASOOTH Patcharaporn, Wongkamhaeng Koraon

From Vietnam: Anh Le Hung, BUI Quang Nghi, LE Thao Thi Thu, NGO Quang Xuan, NGUYEN Dinh Tu, NGUYEN Huy Chien, NGUYEN Ngan Thi My, NGUYEN THI Xuan Phuong, NGUYEN Tinh Trung, NGUYEN Vy Xuan, PHAM Huy Quoc, PHAM Dinh Trong, PHAN Hoang Kim, PHAN Hong Thi Kim, THANH Dang Ngoc

平成22年3月30日印刷

平成22年3月31日発行

編集・発行 NaGISA西部太平洋会議2009実行委員会

649-2211 和歌山県西牟婁郡白浜町459
京都大学フィールド科学教育研究センター
瀬戸臨海実験所内

印刷 日本印刷出版株式会社

553-0006 大阪市福島区吉野1丁目2-7

Tel 06-6441-6594

Fax 06-6443-5815
