

Preface

The fifth Global COE International Symposium on Modeling and Analysis of Marine Environmental problems was held at Ehime University, Matsuyama, Japan during 22–23 September 2010. It was organized by members of the Center for Marine Environmental Studies (CMES) of Ehime University by funding from the Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan and the Japan Society for Promotion of Science, Japan under their Global Center of Excellence Program.

Modeling helps in the development of integrated understanding of dynamic processes underlying the oceanic and terrestrial processes of distribution of materials that are produced and used by human, identification of gaps in knowledge about how such materials respond to environmental changes and elucidation of the consequences of human activities on their control and management. The symposium was organized around this general theme and after the plenary session; contributed papers were presented on the following three general topics: Ecosystem Modeling and Analysis, POPs modeling and Analysis and Marine Litter Modeling and Analysis.

There was a good distribution of contributed papers within each of these three topic areas. Discussions were lively with broad participation by most who attended the meeting. The presentation by the speakers and discussion on each contribution and on the current progress and explanation of the need for future work in each area indicates that the publication of the Proceedings of this symposium will be a wonderful piece of information for those working in this field. There was generally a good agreement among the participants of the symposium that such a publication will be an added enthusiasm for the future of the group working on modeling of such anthropogenic materials and so we have taken up this job. The present day world is highly materialistic and hence such a publication of contributed papers on material and chemical cycling will be useful for those who are now documenting the occurrence and sources of these materials both in the terrestrial and aquatic environments. I feel that this volume has come out very well and will be useful for the future workers.

I am grateful to Prof. Yasunobu Yanagisawa, President, Ehime University and Prof. Hidetaka Takeoka, Director, Center for Marine Environmental Studies (CMES), Ehime University for all their support and advice for the conduct of the symposium. The organizing committee for the symposium made valuable contributions for the organization of the symposium. The efforts of members of the committee are particularly appreciated and were essential to get this volume

published. I am thankful to all the members of CMES for their help in the organization of the symposium.



Shinsuke Tanabe
Professor, CMES, Ehime University and Leader, G-COE Program