

## Preface

The Sixteenth Symposium on Polar Biology, sponsored by the National Institute of Polar Research (NIPR) was held on 1–3 December 1993, Tokyo. This annual symposium was aimed to introduce new results obtained in the polar region covering marine and terrestrial biology. In the symposium, “SARES (Saroma-Resolute) Program in the Arctic Sea Ice Areas within the Frameworks of Japan-Canada Complementarity Study,” “SIEFS (Sea Ice Ecology and Flux Study) Program in the Antarctic Areas” and “Antarctic Terrestrial Invertebrates under the Program of Yukidori Valley (SSSI) Study” were highlighted through the invited oral and poster presentations. A total of 25 oral and 61 poster presentations contributed to the symposium.

The present volume of the proceedings includes 17 full-length papers and 23 abstracts from the presentations. This volume was edited under the direction of the Editorial Board of NIPR with the help of a sub-editorial board consisting.

Dr. Takehiro MASUZAWA (Shizuoka University)

Dr. Osamu MATSUDA (Hiroshima University)

Dr. Mitsuo FUKUCHI, Dr. Yasuhiko NAITO,

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Dr. Atsushi TANIMURA, Dr. Sakae KUDOH,

Dr. Satoshi IMURA and Ms. Akiko KATO (NIPR)

We wish to add our sincerest thanks to these colleagues as well as many referees listed on the back cover for their special efforts in editing this volume.

Conveners: Mitsuo FUKUCHI

Hiroshi KANDA

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