

## Preface

The Eleventh Symposium on Polar Biology, sponsored by the National Institute of Polar Research, Tokyo, was held on December 12–14, 1988. The symposium covered marine, freshwater and terrestrial biology in the polar and adjacent regions. A total of 49 oral and 10 poster presentations contributed to the symposium.

This book compiles 25 full-length papers and three abstracts for presentations at the symposium. All papers in this volume were arranged by the sub-editorial board for the Proceedings of the NIPR Symposium on Polar Biology. Members of the board were nominated by the editorial board of NIPR as follows;

Dr. Mitsuo FUKUCHI (NIPR)

Dr. Yoshio INO (Waseda University)

Dr. Yasuhiko NAITO (NIPR)

Dr. Yoshikuni OHYAMA (NIPR)

Dr. Masayuki TAKAHASHI (University of Tokyo)

The convener thanks them for their special efforts in editing this volume. He is also grateful to reviewers and Atsushi TANIMURA and Kentaro WATANABE for their cooperation and assistance.

Convener: Yasuhiko NAITO  
National Institute of Polar Research