

# Preface

The Series “From Pole to Pole: Polar Environmental Research during the International Polar Year 2007–2009” (Springer Verlag; Series Editors: Roland Kallenborn, University of Life Sciences, Norway; Guido di Prisco, National Research Council, Italy; David Walton, British Antarctic Survey, UK; Susan Barr, Directorate for Cultural Heritage, Norway) was conceived to report achievements of environmental research during the 4th International Polar Year (IPY) 2007–2009.

The major aim of this series is to provide up-dated science-based information on IPY research results and perspectives in all disciplines. It is intended as a starting point to gather information on specific environmental research topics within IPY activities, which would be difficult or even impossible to collect in another way. The volumes will provide scientific general information on the concepts, findings and scientific motivation on the various IPY projects and research activities, thereby directing the interested reader to further information dealing with the scientific aspects of the research. The scientific value of the series will grow in the years to come, because the volumes will also be available in e-book format, and a continuous up-date on references and information sources is expected for several years, supported by the Series Editors and the Publisher.

Marine Biology will provide two Volumes under the general title “Adaptation and Evolution in Marine Environments—The Impacts of Global Change on Biodiversity”.

The present volume (Volume 1) will address two themes:

1. Biodiversity and the Environment.
2. Response to Stress—Adaptations.

The authors who have contributed to Volume 1 describe the concept, aim, and first findings of the respective IPY projects, providing information, equipped with exhaustive reference lists and relevant web pages, on results and research perspectives feeding into the framework of IPY 2007–2009.

We would like to express our gratitude to the authors and referees of the papers collected together in this volume.

Volume 2 will address different themes, and will be published in the next months.

Guido di Prisco  
Cinzia Verde

Adaptation and Evolution in Marine Environments,  
Volume 1

The Impacts of Global Change on Biodiversity

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