

# Contents

---

Page

**Narita Hideki**

Preface

**1 Narita H., Shiraiwa T. and Nakatsuka T.**

Human Activities in Northeastern Asia and Their Impact to the Biological Productivity in North Pacific Ocean

**25 Shcheka Oleg L.**

Far Eastern Branch of the Russian Academy of Sciences: History, Structure, and a Role in the Asia – Pacific Region

**35 Voronov Boris A.**

Complex Surveys of the Amur River Basin

**41 Makhinov Alexei N.**

Natural and Anthropogenic Factors of the Amur River Runoff Formation

**47 Kondrajeva Lubov**

Combined Methods for Amur River Pollution Assessment. Ecosystem Approach.

**67 Schesterkin Vladimir P.**

Iron Content in the Middle Amur in Winter Low Water Period

**71 Sirotsky S.E., Makarchenko E.A. and Makarchenko M.A.**

Amur Basin Water Quality Assessment Based on Zoobenthos Composition

**81 Yoh Muneoki**

Possible Fundamental Sources of Dissolved Iron in Terrestrial Environments: Their Mechanisms, Presumed Anthropogenic Impact, and Research Needs.

**87 Shibata H., Konohira E., Satoh F. and Sasa K.**

Export of Dissolved Iron and the Related Solutes from Terrestrial to Stream Ecosystems in Northern Part of Hokkaido, Northern Japan

# Contents

---

Page

**93 Kuma Kenshi**

Biogeochemistry of Iron in Seawater

**103 Nishioka Jun**

Iron Study in the Sea of Okhotsk -Comparison to the Subarctic Pacific-

**111 Kot Fyodor S.**

On Mercury Speciation and Postsedimentation Fate in Pelagic Sediments of the Sea of Japan

**117 Kachur A.N. and Kondratyev I.I.**

Variability of a Chemical Composition of the Snow Covers in a Background Areas of Sikhote-Alin as an Index of the Trans-boundary Transfere of Contamination

**131 Sorokin A.P. and Artyomenko T.V.**

Tectonic Evolution of the Eastern Margin of Eurasia in Late Mesozoic and Cenozoic

**135 Baklanov P.Ya. and Ganzei S.S.**

Basic Stages and Tendencies of the Land Use Development in the Amur River Basin

**153 Zhang B., Wang Z. and Duan H.**

A Study of the Land Use In Songhua River Basin of China

**161 Kakizawa Hiroaki**

Dynamics of Forest Resources in Russia and Related Changes in Forest Management and Policies — Focusing on the Khabarovsk Region