

CONTENTS

PREFACE	i
Chapter 1 Biodiversity in the Sea of Japan: more than a century of Russian research	1
Andrey V. Adrianov, Konstantin A. Lutaenko	
Chapter 2 Status of marine biodiversity of the China seas	13
LIU Rui-Yu (J. Y. LIU)	
Chapter 3 Modern problems of environmental safety of the Far Eastern seas of Russian Federation	42
Andrey V. Adrianov	
Chapter 4 Zooplankton functional groups in the Yellow Sea	67
SUN Song, HUO Yuan-Zi, SUN Xiao-Xia	
Chapter 5 Diversity of potentially toxic microalgae on the east coast of Russia	77
Tatiana Yu. Orlova	
Chapter 6 Toxic algae and phycotoxins in the coastal waters of China	92
YU Ren-Cheng, GAO Yan, LUO Xuan, SONG Jing-Jing, ZHOU Ming-Jiang	
Chapter 7 Phytoplankton community and primary productivity in the Yellow Sea and East China Sea	107
SUN Xiao-Xia, ZHENG Shan, LUO Xuan, WEN Fei	
Chapter 8 Nemertean biodiversity in the Sea of Japan and adjacent areas	119
Alexei V. Chernyshev	
Chapter 9 Advance of the study on the macrobenthos from the Yellow Sea and East China Sea	136
LI Xin-Zheng, WANG Hong-Fa, ZHANG Bao-Lin, MA Lin, ZHANG Li, WANG Jin-Bao, DONG Dong, KOU Qi, PENG Song-Yao, SUI Ji-Xing, GAN Zhi-Bin, XU Peng, HUANG Hui	
Chapter 10 Biodiversity and biogeographical patterns of bivalve mollusks in the Sea of Japan	160
Konstantin A. Lutaenko, Ronald G. Noseworthy	
Chapter 11 The biogeography of coldwater bivalves in the Yellow and Bohai Seas*	188
ZHANG Jun-Long, XU Feng-Shan	
Chapter 12 Species composition and distribution of echinoderms in the Yellow Sea	194
XIAO Ning, LIAO Yu-Lin	
Chapter 13 Marine fouling plants in Dalian and Bayuquan seaports (China)	201
Eduard A. Titlyanov, Tamara V. Titlyanova	
Chapter 14 Biodiversity and zoogeography of fish in the Yellow Sea with emphasis on dominant species	210
NING Ping, LIU Jing	
Chapter 15 DNA barcoding: A molecular tool to observe zooplankton in the Jiaozhou Bay	216
WANG Min-Xiao, SUN Song, LI Chao-Lun, SUN Xiao-Xia, CHENG Fang-Ping	