

CONTENTS

CONTRIBUTING AUTHORS	4
INTRODUCTION (V. Eremeev, A. Boltachev)	5
1. MATERIAL AND METHODS (S. Alyomov, Yu. Zagorodnya, E. Karpova, L. Manzhos, V. Gubanov; photo by E. Karpova, S. Alyomov, V. Gubanov)	7
2. DESCRIPTION OF THE SURVEYED SEAWATER AREAS (V. Eremeev, A. Boltachev, E. Karpova, V. Gubanov; photo by E. Karpova)	13
3. THE SPECIES DIVERSITY, ECOLOGICAL STRUCTURE AND CONDITION OF HYDROBIONTS COMMUNITIES OF CRIMEAN THE COASTAL ZONE	23
3.1. Phytoplankton (L. Manzhos)	23
3.2. Zooplankton (Yu. Zagorodnya)	27
3.3. Macrozoobenthos (S. Alyomov)	33
3.4. Ichthyofauna (A. Boltachev, E. Karpova; photo by E. Karpova)	45
4. THE MAIN ANTHROPOGENIC FACTORS GENERATING "HOT ECOLOGICAL POINTS" IN THE THE COASTAL ZONE OF THE CRIMEA (A. Boltachev, S. Alyomov, E. Karpova, L. Manzhos, V. Gubanov; photo by E. Karpova)	62
5. MODERN METHODS FOR PROTECTION OF THE MARINE COASTAL ZONES ENVIRONMENT: THE PROPOSALS AND USES	71
5.1. Artificial reefs as a means of improving the state of aquatic ecosystems: tendencies for organization, experience of the Black Sea countries (B. Aleksandrov)	71
5.2. Artificial reefs as a means of hydrobiological amelioration (B. Aleksandrov)	78
5.3. The biological purification systems worked out by IBSS and designed for and used in the polluted seawater areas (S. Alyomov; photo by S. Alyomov)	81
CONCLUSION (V. Eremeev, A. Boltachev)	86
REFERENCES	87