

TABLE OF CONTENTS

ACKNOWLEDGEMENTS	7
INTRODUCTORY NOTE (V. Bencko)	9
PART 1 ENVIRONMENT AND HUMAN HEALTH	15
Chapter 1.1 Biological monitoring and human exposure to xenobiotics (V. Bencko, P. Rössner, K. Kromerová)	15
Chapter 1.2 Outdoor air pollution (I. Holcátová)	19
Chapter 1.3 Water and health (V. Bencko)	24
Chapter 1.4 Wastewater and solid wastes (V. Bencko)	31
Chapter 1.5 Indoor air pollution (I. Holcátová)	37
Chapter 1.6 Physical factors of environment (A. Schlenker)	45
PART 2 NUTRITION	68
Chapter 2.1 Nutrients (E. Kudlová)	68
Chapter 2.2 Malnutrition (E. Kudlová)	82
Chapter 2.3 Food composition (E. Kudlová, M. Bušová)	85
Chapter 2.4 Microorganisms in foods and food safety (E. Kudlová)	95
Chapter 2.5 Toxic substances in food (M. Bušová)	99
Chapter 2.6 Dietary recommendations and guidelines (E. Kudlová)	104
PART 3 OCCUPATIONAL HEALTH	111
Chapter 3.1 Introduction to occupational health (M. Tuček)	111
Chapter 3.2 Environmental and occupational epidemiology of cancer (V. Bencko)	124
PART 4 CHILD AND ADOLESCENT HEALTH	127
Chapter 4.1 Life cycle approach to child and adolescent health (E. Kudlová)	127
PART 5 RISK FACTORS OF LIFESTYLE	136
Chapter 5.1 Tobacco dependence: epidemiology, prevention, and treatment (E. Králíková)	136
Chapter 5.2 Obesity and inactivity (E. Kudlová)	150
PART 6 EPIDEMIOLOGY	152
Chapter 6.1 Principles of epidemiologic studies (H. Píkhart)	152
Chapter 6.2 Statistical methodology in epidemiology (A. Schlenker, J. Zvářová)	162
Chapter 6.3 Epidemiology of infectious diseases (M. Schejbalová)	170
Chapter 6.4 Vaccination (Inoculation) (A. Slámová, M. Schejbalová)	189
Chapter 6.5 Cancer epidemiology (I. Holcátová)	194
Chapter 6.6 Ethical issues in environmental and occupational epidemiology (V. Bencko)	201

PART 7 SELECTED SPECIFIC TOPICS	205
Chapter 7.1 Indoor environment quality in hospitals and other health care facilities (V. Bencko)	205
Chapter 7.2 Health risk assessment and human exposure to endocrine disrupters (V. Bencko)	213
Chapter 7.3 Psychosomatic and psychosocial aspects of risk perception (V. Bencko, J. Quinn)	220
Chapter 7.4 Disaster medicine (J. Quinn, V. Bencko)	224
BIBLIOGRAPHY	232