

CONTENT

Part I Introduction and Workshop Recommendations	1
Chapter 1 Introduction	3
Chapter 2 Workshop Recommendations for Future Research	5
Part II Abstracts of Presentations and Selected Workshop Papers	29
Chapter 3 Abstracts of Presentations	31
Chapter 4 Gulf Underwater Flare Experiment (GUFEX) Effects of Hydrocarbons on Phytoplankton	45
Chapter 5 Toxicity of Water Soluble Fractions of Petroleum Oils on Larvae of Crabs	77
Chapter 6 Effects of Polychlorinated Biphenyls, Polychlorinated Naphthalenes, and Phthalate Esters on Larval Development of the Mud Crab	95
Chapter 7 Metabolism of Hydrocarbons in Marine Invertebrates: Aryl Hydrocarbon Hydroxylase from the Tissues of the Blue Crab, and the Poly chacte Worm,	111
Chapter 8 Chromium in the Southern California Marine Environment	125
Chapter 9 Lysosomal Responses to Environmental Chemicals in Some Marine Invertebrates	143
Chapter 10 The Effects of Copper (II) on Molting and Growth of Juvenile Lesser Blue Crabs <i>Callinectes similis</i> Williams	155
Chapter 11 Fuel Oils: Chemical Characterization and Toxicity to Microalgae	167
Chapter 12 Comments on the Status and Direction of Research Concerning Chemicals in the Aquatic Environment	191
Appendix A List of Participants	209
Appendix B Panel Members	213
About the Editor	215