

CONTENTS

	Page
The Dahlem Konferenzen	ix
Introduction	1
Isolation of Humic Substances from Soils and Sediments	3
A Critical Evaluation of the Use of Macroporous Resins for the Isolation of Aquatic Humic Substances	15
Isolation of Soil and Aquatic Humic Substances	
Group Report	31
Polymerization of Humic Substances in Natural Environments	45
Selective Degradation of Plant Biomolecules	59
Generation of Model Chemical precursors	75
Generation in Controlled Model Ecosystems	93
Genesis	
Group Report	105
Evolution of Structural Models from Consideration of Physical and Chemical Properties	113
Critical Comparison of Structural Implications from Degradative and Nondegradative Approaches	133
The Characterization and Validity of Structural Hypotheses	
Group Report	151
Binding and Transport of Metals by Humic Materials	165
Interaction of Humic Substances with Biota	179
Environmental Photoprocesses Involving Natural Organic Matter	193
Sedimentology of Organic matter	215
Environmental Reactions and functions	
Group Report	245
Table of Contents	vii
List of Participants with Fields of Research	257
Subject Index	263
Author Index	271