

## Contents



*List of contributors ix*  
*Preface xi*

- 1 Biogeochemistry of intertidal sediments 1**  
T.D. Jickells and J.E. Rae
- 2 Trace metals in deposited intertidal sediments 16**  
J.E. Rae
- 3 Modelling adsorption and desorption processes  
in estuaries 42**  
A. Turner and A.O. Tyler
- 4 A critical appraisal of the methodology used in studies of  
material flux between saltmarshes and coastal waters 59**  
K. Carpenter
- 5 Nutrient recycling in intertidal sediments 84**  
S.J. Malcolm and D.B. Sivyer
- 6 An overview of carbon and sulphur cycling in  
marine sediments 99**  
G. Ruddy
- 7 Microbial activity and diagenesis in saltmarsh sediments,  
North Norfolk, England 119**  
K. Pye, M.L. Coleman and W.M. Duan
- 8 The behaviour of radionuclides in the coastal and  
estuarine environments of the Irish Sea 152**  
P. McDonald and S.R. Jones
- 9 The sorption of hydrophobic pyrethroid insecticides to  
estuarine particles: a compilation of recent research 173**  
J.L. Zhou and S.J. Rowland

*Index 189*