

CONTENTS

Chapter1-Water: Physics, Chemistry, Biology	3
Chapter 2-Action of Water on Materials	21
Chapter 3-Theory of the Main Treatment Processes	57
Chapter 4-Preliminary treatment	111
Chapter 5-Coagulation and Flocculation in Water Treatment	135
Chapter 6-Chemical Precipitation	147
Chapter 7-Settling and Flotation	159
Chapter 8-Aerobic Biological Processes	203
Chapter 9-Water Filtration	245
Chapter 10-Ion Exchange	313
Chapter 11-Adsorption and Adsorbents	341
Chapter 12-Separation by Membranes	349
Chapter 13-Gas-Liquid Exchanges	367
Chapter 14-Chemical Correction and Conditioning of Water	385
Chapter 15-Oxidation Disinfecting	401
Chapter 16-Nature, Stabilization, Thickening and Conditioning of Sludge	427
Chapter 17-Sludge Denaturing, Drying, and Incineration	481
Chapter 18-Reagent Storage and Feeding	535
Chapter 19-Measurement, Monitoring, Control and Automation	567
Chapter 20-Drinking Water Treatment	597
Chapter 21-Swimming Pool Water Treatment	669
Chapter 22-Treatment of Boiler and Cooling System Water	681
Chapter 23-Treatment of Industrial Process Water	705
Chapter 24-Treatment of Domestic Sewage	731
Chapter 25-Treatment of Industrial Effluents	807
Chapter 26-The Chemistry of Water and Reagents	867
Chapter 27-Methods of Analysis	894
Chapter 28-Biology	963
Chapter 29-Units of Measurement	1015
Chapter 30-Mathematical Notes	1029
Chapter 31-Hydraulics	1049
Chapter 32-Electricity	1093
Chapter 33-Heat	1103
Chapter 34-Legislation and Regulations	1121
Bibliographic Data	1151
Alphabetical Index	1159

