

CONTENTS

1. Hydrodynamics of flows through porous media	1
2. Introduction to filtration	29
3. Governing laws of cake filtration	51
4. Governing laws of filter- medium filtration	79
5. Application of filter aids	103
6. Filter media	127
7. Cake washing	159
8. Cake dewatering	207
9. Design equations for optimum filtration	225
10. Summary of graphical analysis techniques	245
11. Liquid filtration equipment	255
12. Ultrafiltration	323
13. Microporous membrane filtration	343
14. Industrial applications of reverse osmosis	377
15. Selection and sizing of prefilter / final filter systems	417
16. Filtration design examples	453
17. Index	509