

CONTENTS

1. Paper as a commodity	1
2. Methods for analysis	20
3. Sampling and preparation of sample	36
4. Determination of moisture	41
5. Fiber analysis	49
6. Fiber quality methods	63
7. Lignin	72
8. Rosin size	78
9. Starch	88
10. Proteins	101
11. Coatings	111
12. Waxes and oils	122
13. Fillers and white coating pigments	130
14. Dyes and colored pigments	154
15. Acidity and alkalinity	169
16. Biological control agents	178
17. Minor inorganic and organic components	191
18. Speck and defects	214
19. General identification of additives	225
20. Synthetic resins	234
21. Wet – strength agents	253
22. Polysaccharides and gums	270
23. Special purpose additives	282
24. Noncellulose fibers	302
25. Permanence of paper	316
26. Paper in forensic science	326
Abbreviations	399
Author index	341
Subject index	355