IV

REFERENCES

IV REFERENCES

1. C.Y. Liang and R.M. Manchersault,
   J.Polym.Sci.,37, 385 (1959)
2. R.S.Reeves,
   Advan. Carbohydrate chem.,6, 107 (1951)
3. P.A.Roelofsen,
   Biochem. Biophys. Acta,13, 155 (1954)
4. V.W.Tripp, R.Gluffria and I.V. de Gruy,
   Text.Res.J.,27, 14 (1957)
5. N. Ramnathan,
   J.Sci.Ind.Res.,16B, 436 (1957)
6. M.L. Rollins,
   Text.Res.J.,45, 65 (1945)

7.(a) R.O.Herzog and W.Jancke,
   Z.Phys.Chem.,A 139, 235 (1928)

7.(b) O. Kratky,
   Kolloid-Z., 25, 261 (1935)

7.(c) A.Frey-Wyssling,
   Protoplasma, 25, 261 (1935)

8. P. H. Hermans,
   Kolloid-Z., 102, 169 (1943)
9. J. W. S. Hearle,
   J. Appl. Polym.Sci., 7, 1175 (1963)
10. R. St. J. Manley,
   Nature, 204, 1155 (1964)

11. G. E. Coheen,
Tappi,41, 737 (1958)

12. G. B. Turner,
Chem.Ind., 23, 920 (1963)

13. H. T. Clarke and C. J. Malm,
U. S. Pat., 1,880,808 (1932)

14. M.Stacey, E.J.Bourne, J. C. Tatlow and J.M. Tedder,
Nature,164, 705 (1949)

15. D.Cruzlagrange, C.Hamalainen and S.Cooper (Jr.),
Amer. Dyest.Rep., 51, 12, 40 (1962)

16. E.A.Plisko,
Zh. Obshch, Khim., 31, 474 (1961)

17. J. Campbell and T. Francis,
Text. Res. J., 35 (3), 260 (1965)

18. N. Ueno and N. Kogyo,
Gijutsu Shikensh Hokoku, 13(11), 413 (1964)

19. T. Michikazu, S. Nobuo and Y. Tokuo,
J. Appl. Polym.Sci., 25 (11), 2562 (1980)

20. R. J. Berni and R.R. Benerito,
Text.Res.J., 37(8), 706 (1967)

21. R. J. Berni and R.R. Benerito,
U.S. Pat., 3,493, 319 (1970)

22. S.P. Rowland and M.A.F. Brannan,
Text. Res.J., 37(3), 230 (1967)

23. T. Mitya and K. Matsuzaki,
Kogyo Kagaku Zasshi., 70(11), 2192 (1967)

24. C. Hamalainen, R. H. Wade and E.H. Buras,
Text.Res.J., 27, 168 (1957)

25. T. C. Allen,
Text.Res.J., 34 (4), 331 (1964)

26. A. L. Bullock, S.L. Vail and C.H. Mack,
U.S.Pat.,3, 294, 779 (1966)

27. S.P.Rowland, C.M. Welch and M.A.F. Brannan,
U.S.Pat., 3, 526, 048 (1970)

28. S.P.Rowland and C.M. Welch,
Text.Res.J., 37 (11), 933 (1967)

29. S.P.Rowland and M.A.F. Brannan,
Text.Res.J., 38 (6), 634 (1968)

30. R. Thomas,
Textilveredlung, 5(5), 361 (1970)

31. G. C. Tesoro,
U.S.Pat., 3, 575, 960 (1971)

32. K. Graves,
Tappi, 55 (2), 263 (1972)

33. C. Lupton and J.E. Lougalin,
Text.Res.J., 45(1), 92 (1975)

34. G.C. Tesoro and D. R. Moore,
U.S.Pat., 3, 553, 254 (1971)

35. V. Chipalkatti and R.M. Desai,
Indian Pat., 97,000 (1967)

36. I. Hussain, A.P. Singh and V. B. Chipalkatti,
Colourage, 19(8), 30 (1972)

37. I. Iwami, T.Katayose and K. Horiguchi,
Japan Pat., 76, 119, 088 (1976)

38. G.A.Petropavlovskii, G.G.Vasil'eva, M.K.Yur'eva, N.M.Krunchak, N.E.Kotel'nikova, G.Rakhmanberdiev and O.V.Vasil'eva, Khim.Tekhnol. Proizvod. Tsellyul., 277 (1971)

39. Z. A. Rogovin, Pure Appl.Chem., 14 (3-4), 523 (1967)

40. T.A. Sabirov and B.I. Aikhodzaev, Uzb.Khim.Zh., 12 (5), 49 (1968)

41. S.S.Akhrarkhodzheva and L.M. Eliseeva, Uzb.Khim.Zh., 15 (2), 56 (1971)

42. G.S.Masidova, L.S.Gal'braikh, V.I. Wikitin and Z.A.Rogovin, Vysokomol. Soedin, Ser., A9(1), 166 (1967)

43. K. Matsuzaki, T. Kanai and T. Miyata, Sen-i-Gakkaishi, 22(4), 173 (1966)

44. A.A.Ratovskaya and S.I. Shkol'nik, Issled. Razrale. Poligr. Prom., 52 (1973)

45. N.M. Alimardanov, A.A. Sarkisyan, A.M. Gashimova and N. M. Alekperova, Azerb. Khim. Zh., 6, 105 (1980)

46 (a)C.J. Malm, J.W. Mench, D.L. Kendall and G.D. Hiatt, Ind. Eng. Chem., 43, 684 (1951)

(b)C.J. Malm, J.W. Mench, D.L. Kendall and G. D. Hiatt, Ind.Eng.Chem., 43, 688 (1951)

47. D.J. Stanonis and W.D. King, J. Appl.Polym.Sci., 8, 943 (1964)

48. R.R. Benerito, R.J. Berni and T.F. Fagley, Text.Res.J., 30, 393 (1960)

49. K. Matschat,
Textile - Rundschau, 16, 580 (1961)

50. J. B. Mckelvey, R.J. Berni and R.R. Benerito,
Text.Res.J., 34, 1102 (1964)

51. W. Baird,
Waterproofing and Water repellency, Elsevier Publishing Co., Amsterdam, 66 (1963)

52. R. Riemschneider and J. Sickfeld,
Monatsch, 95(1), 194 (1963)

53. P.E. Robbins and H.H. Perkins,
Amer. Dyest. Rep., 52 (23), 41 (1963)

54. O.K. Ioannidis, B.I. Aikhodzhaev and Yu.L. Pogosova,
Strukt. Modif.Kholp - Tsellyul., 3, 168 (1966)

55. S.Singh and J.C. Arthur (Jr.),
Carbohydrate Res., 18 (3), 449 (1971)

56. A.K. Sircar and D.J. Stannonis,
J. Appl. Polym.Sci., 11(9), 1083 (1967)

57. W.G. Cameron and T.H. Morton,
J. Soc.Dyers Colourists, 64, 329 (1948)

58. S.J. O'Brien and W.J. Van Loo (Jr.),
Text.Res.J., 31, 276 (1960)

59. K.H. Tauss,
Amer.Dyest.Rep., 53, 30 (1964)

60. L.W. Mazzeno (Jr.), R.M. Reinhardt and W.A. Reeves,
Amer. Dyest. Rep., 52, 909 (1963)

61. G.C. Dane and T.F. Drake,
U.S. Pat., 3, 113, 826 (1963)

62. R.L. Arceneaux, R.A. Fujimoto, J.D.Reid and R.M. Reinhardt,
Amer. Dyest.Rep., 51, 45 (1962)

63. R.F. Schwenker (Jr.), and E. Pascu,
Text.Res.J., 32, 618 (1962)

64. S.B. Needleman,
U.S.Pat., 3, 102, 773 (1963)

65. J.D. Guthrie,
Text.Res.J., 33, 959 (1963)

66. S.L. Vail, J.G.Frick (Jr.), P.J. Murphy (Jr.), and J.D. Reid,
Amer Dyest. Rep.,50, 437 (1961)

67. J.G. Frick (Jr.), B.A. Kottes Andrews and J.D. Rein,
Amer. Dyest. Rep., 51, 897 (1962)

68. M.D. Hurwitz and L.E. Conlon,
Text. Res. J., 28, 257 (1958)

69. L.H. Chance and E.K. Leonard,
Text. Res.J., 32, 481 (1962)

70. L.H. Chance and R.M. Perkins,
Amer Dyest.Rep., 51, 16, 28 (1962)

71. R.L. Arceneauv,
Amer Dyest., Rep., 51, 5, 45 (1962)

72 (a) K.V. Datye,
TExt. Res. J., 32, 883 (1962)

(b) K.V. Datye,
Text.Res.J., 34(6), 546 (1964)

73 (a) K. Bredereck and H. Dolmetsch,
Milliand Textilchem., 1, 3 (1965)

(b) K. Bredereck and H. Dolmetsch,
J. Text. Inst., 56(11), 794 (1966)

74. S.B. Mehta, D.V. Parikh and C. Nanjundayga,
Text.Res.J., 36(8), 761 (1966)

75. T.R. Menon, B.V. Iyer and B.R. Shelat,
Indian Pat., 106, 102 (1969)

76. O.P. Singh,
Text. Dyer Printer, 3(2), 61 (1969)

77. B.C. Dorset,
Text.Mfr., 95 (1140), 502 (1969)

78. J. McCartney,
Dyer, 128, 217 (1962)

79. S.J. O'Brien and W.J. Van Loo,
Text.Res.J., 32, 292 (1961)

80. W.J. Roff,
J. Text.Inst., 54 (7), 1281 (1963)

81. A. Wehner and H. Zollinger.
Textilveredlung, 5(5), 327 (1970)

82. K. Heinisch, A.Katayama, K.K. Rouette, A. Whener and H. Zollingeer,
Text.Chem.Color, 2(23), 391 (1970)

83. S.M. Gilbert and B.F. Smith.,
Teext.Res.J., 40(8), 720 (1970)

84. T. Liljemark, H. Asner and M. Karrholm,
Textilveredlung, 2(6), 349 (1967)

85. A.G. Pierce (Jr.), and J.G. Frick (Jr.),
J. Appl. Polym.Sci., 11(12), 2577 (1967)

86. B.K. Joarder, M.A.F. Brannan, S.P. Rowland and J.D. Guthrie,
Text.Res.J., 39(1), 49 (1969)

87. Sh.Melikuziev and Yu.T. Tashpulatov,
Deposited Doc., VINITI, 398, 18 (1979)

88. J.G. Evans,
Textile-Rundschau, 16, 634 (1961)

89. J.G. Frick (Jr.),
Text.Res.J., 32, 425 (1962)

90. J.R. Modi and P.C. Mehta,
J.Sci.Ind., Res., 21D, 441 (1962)

91. J.D. Guthrie,
Text.Res.J., 37 (1), 40 (1967)

92. C.Segal and J.D. Timpa,
Text.Chem.Color, 4(3), 66 (1972)

93. S.K. Jain,
Text.Res.J., 41 (9), 787 (1971)

94. J. C. King,
U.S. Pat., 3, 190, 717 (1965)

95. E.J. Gonzales and J.D. Guthrie,
Amer.Dyest. Rep., 58 (3), 27 (1969)

96. J.G. Frick (Jr.),
Amer.Dyest.Rep., 56 (18), 79 (1967)

97. J.G. Frick (Jr.), and G.A. Gautreaux,
Amer.Dyest.Rep., 57 (12), 436 (1968)

98. J.G. Frick (Jr.), A. Gautreaux and D.J. Reid,
Text.Bull., 94(11), 32 (1968)

99. J.B. Mckelvey, R.J. Berni and R.R. Benerito,
U.S. Pat., 3, 382, 029 (1968)

100. S.R. Hobart,
Text.Res.J., 37(5), 380 (1967)

101. R.J. Harper (Jr.), A. Gautreaux, J. Donoghue and J. S. Bruno,
Text.Chem.Color, 3 (5), 127 (1971)

102. K. Kacerovsky and J. Buchar,
Textilveredlung, 2 (6), 340 (1967)

103. B.A. Kotter Andrews, W.F. Mcsherry, J.G. Frick (Jr.) and A.B. Cooper,
Text.Res.J., 41 (5), 387 (1971)

104 (a) I. Tetsuo,
Hiroshima Joshi Diagaku Kaseigakubu Kiyo, (15), 37 (1980)

(b) I. Tetsuo,
Hiroshima Joshi Diagaku Kaseigakubu Kiyo, (14), 89 (1979)

105. J.V. Beninate, E.L. Kelly, G.L. Drake (Jr.), and W.A. Reeves,
Amer.Dyest. Rep., 55 (2), 37 (1966)

106. I.F. Mclasen, S.R. Rangnathan and H.M. Elder,
J. Text. Inst., 62(7) 382 (1971)

107. G. Machell and G.M. Richards,
J. Chem.Soc., 3308 (1961)

108. D.K.R. Chaudhri and J.H. Hermans,
(a) J. Polym.Sci.Rev., 50, 159 (1960) (b) Ibid, 51, 373 (1961)

109. C.H. Haydel, H.J. Jansen, J.E. Seal, H.L.E. Vix and E.A. Gastrox, Text. Res. J., 27, 975 (1957)

110. A. Y. Kulkarni and P.C. Mehta, Proceedings (Sect.B) of the 4th Jt. Tech. conf. held at Ahmedabad, India, (1962)

111. A.Y. Kulkarni, A.G. Chitale, B.K. Vaidya and P.C. Mehta, J. Appl. Polymer Sci., 7, 1581 (1963)

112. D. J. Bridgeford, Amer. Chem.Soc. 138th Annual Meeting, New York (1960)

113. G. Mino and S. Kaizerman, J. Polym. Sci., 31, 242 (1958)

114. S. Kaizerman, G. Mino and F. Meinhold, Text.Res.J., 32, 136 (1962)

115. F.Schwab, V. Stannett, D.H. Rakowitz and J.K. Magrahe, Tappi, 45, 390 (1962)

116. A. Y. Kulkarni and P. C. Mehta, J. Appl. Polym. Sci., 9, 2633 (1965)

117. H. Kamogawa and T. Sekiya, Text. Res. J., 31, 585 (1961)

118. R. H. Cornell, Tappi, 45 (7), 145A (1962)

119. E.Schwab, V. Stannett and J.J. Hermans, Tappi, 44 (4), 251 (1961)

120. Y. Iwakura, T. Kurosaki, K. Uno and Y. Imai, J. Polym. Sci., C,4, 673 (1964)

121. A. Hebeish and P. C. Mehta,
Cellul.Chem.Technol., 8, 469 (1969)

122. R.J.E. Cumberbirch and J.R. Holker,
J.Soc. Dyers Col., 82, 59 (1966)

123. I. Terasaki and M. Matsuki,
J.Soc. Tet. Cell.Ind., 18, 147 (1962)

124. J.C. Arthur (Jr.), B.J. Baugh and O. Hinojosa,
J.Appl. Polym.Sci., 10, 1951 (1966)

125. A. Y. Kulkarni and P.C. Mehta,
J. Appl. Polym. Sci., 12, 1321 (1968)

126. A. Hebeish, A. Kantouch and M.H. El. Rafei,
J. Appl. Polym. Sci., 15 (8), 1921 (1971)

127. A. Hebeish and P. C. Mehta,
J. Appl. Polym. Sci., 12, 1625 (1968)

128. V. Stannett and A. S. Hoffman,
Amer.Dyest Rep., 57, 998 (1968)

129. R.D. Gilbert and V. Stannett,
Isotopes Radiation Technol., 4, 403 (1967)

130. S. Dilli and J. L. Garnett,
J. Appl. Polym. Sci., 11, 839 (1967)

131. A. A. Armstrong and H.A. Rutherford,
Text.Res. J., 33, 264 (1963)

132. G. Hargreaves,
Text. Technol. Digest, 26, 1209 (1969)

133. F. Ide,
Kogyo Kagaku Zasshi, 65, 82 (1962)

134. J. M. Salsbury, S. Kaizerman and G. Mino
U.S. Pat., 3, 046, 078 (1962)

135. R.M. Livshits and Z. A. Rogovin,
Vysokomolekul Soedin, Tsellyuloza i ee Iroizovdnye,Sb.Statei,
12 (1963)

136. R.M. Livshits and Z. A. Rogovin,
Khim Volokna, 6, 38 (1963)

137. M. Imoto, M. Kondo and K. Takemoto,
Kogyo Kagaku Zasshi, 68 (7), 1302 (1965)

138. H. Chou, C. Yu and Liu,
K'o Hsueh Ch'u Pan She, 390 (1963)

139. A.A. Gulina, R.M. Livshits and Z. A. Rogovin,
Vysokomol. Soedin, 7 (9), 1529- (1965)

140. L. Vlasta, P-Mikulas and K. Frantisek,
Cellu. Chem. Technol, 3 (2), 139 (1969)

141. U. Egon and T. Rainer,
Faserforch Textiltech., 23 (4), 148 (1972)

142. K. Kh. Razikov, E.D. Tyagai, Yu.T. Tashpulatov,
T. Saidaliev and Kh. U. Usmanov,
Vyskomol. Soedin., Ser. B, 14 (3), 226 (1972)

143. K. Dimov and P. Pavlov,
God.Vissh. Khimikotekhnol Inst., 19 (1), 115 (1974)

144. B.P. Morin, R.M. Livshits and Z.A. Rogovin,
Vysokomol.Soedin., Ser.A 9 (4), 857 (1967)

145. K. Iichiro, S.Kimitiro and K. Noboru,
Asahi Garasu Kogyo Gijutsu Shorei-kai Konkyu Hokoku, 13, 43 (1967)

146. V.I. Kurlyankina, V.A. Molotkov and O.P. Koz'mina,
Vysokomol.Soedin, Ser. B, 11 (2), 117 (1969)

147. R.S. Rao and S.K. Kapur,
J.Appl. Polym/ Sci., 13 (12), 2649 (1969)

148. H. Kamogawa and T. Sekiya,
Text. Res.J., 31, 585 (1961)

149. H, Narita, N. Uchino and S. Machida,
Sen-i-Gakkaishi, 19 (3), 225 (1963)

150. L. Neimo and H. Sihtola,
Paperi puu, 47 (6), 369, 374 (1965)

151. Ts. B. Vilandberg, V.I. Kurlyankina, N.V. Mirolubova and M.D. Inshakov,
Vysokomol. Soedin., Ser. A, 21 (12), 2784 (1979)

152. R. D. Mehta,
Amer. Dyest. Rep., 63 (6), 46, 89 (1974)

153. T. Khristov, .S.K. Karaivanova, D.G. Dimitrov and Z.A. Proinova,
Cellul.Chem.Technol., 4 (3), 261 (1970)

154. Yu. S Kozlova, A.A. Pogadaeva and Z.A. Rogovin,
Vysokomol.Soedin., Tsellyuloza i ee Proizvodnye, Sb. Statei, 3 (1963)

155. M. Khun, E. Hennige and M. Sodnik,
Mellaind Textilber, 46 (1), 63 (1965)

156. T. A. Mal'tseva. D. L. Snezhko, A.D. Virnik and Z. A. Rogovin,
Izv. Vysshikh Uchebn. Zavedenii, Khim. i khim. Tekhnol.,
8 (4), 651 (1965)

157. T. Waichiro, I. Fusayo, H. Satomi and N. Tokie,
Sen-i-Gakkaishi, 35 (7), T315 (1979)

158. S. P. Rowland,
U.S. Pat. 501, 419 (1974)

159. M. Ernest, C. Georges and W. Daniel,
Teintex, 34 (6), 391, 409 (1969)

160. R. Amick, R.D. Gilbert and V. Stanett,
Polymer, 21 (6), 648 (1980)

161. F. A. Barkhuysen and N.J.J. Van Rensburg,
SAWTRI Tech. Rep., 478, 17 (1981)

162. S. G. Yul'chibaeva, A. Muratov and N.A. Tsagareva,
Sb. Nauchn. Tr-Tashk. Gos. Univ. im. V.I. Lenina, 667, 66 (1981)

163. G. M. Pavlyuchenko, V.M. Siderko, F.N. Kaputskii and L.N.Gurina,
Zh-prikl khim (Liningrad), 57 (1), 186 (1984)

164. M. Ya.Ioelovich and A.Kreitus,
Khim. Drev. (3), (1983)

165. G. Zografi, J. T. Carstensen, M. Kontny and F. Altarchi,
J. Pharm - Pharmcol., 35 (7), 455 (1983)

166. V.M. Irklei, T.P. Starunskaya, N. I. Bychkovskii, I.D. Kolpakova, and M. P. Nosov,
Khim. Volokna, (4), 28 (1983)

167. Yu. B. Grumin,
Izv. Vyssh uchebn. Zaved. Lesn. Zh., (4), 88 (1983)

168. G. L. Starobinets, N.A. Polyak, I.N. Ermolenko and T. N. Kozhevnikova,
Vestsi Akad. Navuk. BSSR, Ser. Khim. Navuk., (6), 5 (1981)

169. L.Y. Yatsu, T.A. Calamari (Jr.) and R.R. Benerito,
Text. Res. J., 56 (7), 419 (1986).

170. A.R. Gwosdow, J.C. Stevens, L.G. Berglund and J.A.J. Stolwijk, Text. Res. J., 56 (9), 574 (1986)

171. J.G. Frick (Jr.), Text. Res. J., 56 (2), 124 (1986)

172. G. B.Turner,, Amer. Dyest. Rep., 74 (5), 30 (1985)

173. R.N. Kapadia, Ph. D. thesis, M.S. University of Baroda (1970)

174. (a) V.N. Mistry, Ph. D. thesis, M.S. University of Baroda (1970)

(b) H.A. Vyas, Ph. D. thesis, M.S. University of Baroda (1980)

175. (a) S.O. Parikh, Ph. D. thesis, M.S. University of Baroda (1977)

176. (a) A.D. Sheth, Ph. D. thesis, M.S. University of Baroda (1981)

(b) N. D. Godhwani, Ph. D. thesis, M.S. University of Baroda (1982)

177. V.J. Dhimar, Ph. D. thesis, M.S. University of Baroda (1987)

178. B.N. Narkhede, Ph. D. thesis, M.S. University of Baroda (1987)

179. T.A. Sabirov, Kh. Talipov and B.I. Aikhodzhaev, Khim. Tekhnol. Proizvod. Tsellyul, 89 (1971)

180. O. Vaitekunaite and J. Zdanavicius,
Chem. Chem. Technol, 10, 179 (1969)

181. E.I. Berenshtein, L.V. Gurkovskaya, Yu. Z. Pogosov,
V.N. Kryazhev and B.I. Aikhodzhaev,
Strukt. Modif. khlop. Tsellyul., 4, 91 (1969)

182. E.I. Berenshtein, L.V. Gurkovskya, V.N. Kryazhev,
B.I. Aikhodzhaev, Yu. L. Pogosov and G.M. Talipov,
U.S.S.R. Pat. 188, 949, (1966)

183. E.I. Berenshtein, L.V. Gurkovskya, V.N. Kryazhev,
B.I. Aikhodzhaev, Yu. L. Pogosov and G. Sh. Talipov,
Strukt. Modif. Khlop. Tsellyul., 4, 96 (1969)

184. T.M. Mirkamilov and E. Turaev,
Deposited Doc. VINITI, 1630-75, 5 (1975)

185. P.R. Johnson, G.B. Bowman and J. A. Cuculo,
Text. Res. J., 45 (4), 314 (1975)

186. U. Hiroshi,
Nagoya Kogyo Gijutsu Shikensho Hokoku, 13 (11), 413 (1964)

187. R.R. Benerito, R.J. Berni and J.B. Mckelvey,
Text. Res. J., 42 (3), 161 (1972)

188. O.K. Ioannidis, B.I. Aikhodzhaev and Yu. L. Pogosov,
Strukt. Modif. Khlop. Tsellyul., 3, 108 (1966)

189. J.A. Cuculo,
Text. Res. J., 42 (3), 161 (1972)

190. I. Kido and K. Suzuki,
Sen-i-Gakkaishi, 18 (10), 913 (1962)

191. Kh. N. Kayumova, V.N. Khryazhev, B.I. Aikhodzhaev and Yu. L. Pogosov,
Uzb. Khim. Zh., 15 (4), 64 (1971)

192. C.J. Malm, R.E. Glegg, L.J. Tanghe and J. Thompson,
Tappi, 44, 669 (1961)

193. O.K. Ioannidis, Yu. L. Pogosov, B.I. Aikhodzhaev, R. Roozyakhunov, V.N. Kryazhev and L.V. Gurkovskaya,
Khim. Volokna, 3, 58 (1966)

194. T.C. Allen,
Text. Res. J., 34 (4), 331 (1964)

195. K. Ishii, K. Kijima and K. Ishikawa,
Jap. Pat. 7426, 943, (1974)

196. Kh. N. Kayumova, V.N. Kryazhev, B.I. Aikhodzhaev and Yu. L. Pogosov,
Uzb. Khim. Zh., 15 (5), 67 (1971)

197. P.E. Robbins and H.H. Perkins,
Amer. Dyest. Rept., 52 (23), 41 (1963)

198. R.V. Zueva, R.G. Zhbankov, N.V. Ivanova, P.V. Kozlov and E.K. Podgorodetskii,
Vysokomol. Soedin., 118 (1963)

199. N.R. Bertoniere, W.E. Franklin and S.P. Rowland,
Text. Res. J., 41 (1), 1 (1971)

200. W.M. Corbett and J.E. McKay,
J. Soc. Dyers Colourists, 77, 543 (1961)

201. S.S. Akharkhodzhaeva, E.I. Berenshtein, B.I. Aikhodzhaev and L.M. Eliseeva,
Uzb. Khim. Zh., 13 (4), 73 (1969)

202. R.D. Sibirikova,
Nauchno-Issled. Tr., Ivanov. Nauchno-Issled. Inst. Khlopchatobum. Prom-sti., 33, 119 (1974)

203. S.S. Gusev, T. Sun, I.N. Ermolenko and Z.A. Rogovin,
Vysokomol. Soedin., 3, 1684 (1961)

204. Yu. P. Putiev and Yu. T. Tashpulatov,
Uzb. Khim. Zh., 10 (4), 41 (1966)

205. D.D. Gagliardi and F.B. Shippee,
Am. Dyest. Rept., 52, 300 (1963)

206. K. Matsuzaki, S. Nakamura and H. Tsukamoto,
Sen-i-Gakkaishi, 26 (12), 560 (1971)

207. R.P. Svistunova, B.I. Aikhodzhaev and Yu. L. Pogosov,
Plasticheskie Massy, 6, 57 (1965)

208. A.I. Petrov, A.S. Bank, M.A. Askarov, B.I. Aikhodzhaev and Yu. L. Pogosov,
Uzb. Khim. Zh., 12 (4), 41 (1968)

209. M. Papikyan, P. Chakhoyan, T. Strizhakova and V. Lozhkin,
Khim. Volokna, 14 (4), 71 (1972)

210. Yu. P. Putiev and G.N. Zinina,
Vysokomol. Soedin. Ser. B, 10 (9), 663 (1968)

211. S.S. Akhrarkhodzhaeva, L.M. Eliseeva, E.I. Berenshtein and B.I. Aikhodzhaev,
Uzb. Khim. Zh., 15 (2), 56 (1971)

212. J.R. Susko and R.A. Wheater,
Eur. Pat. Appl. E, P. 53, 280 (1982)

213. M.S. Rhodes,
Insul. Circuits, 23 (13), 39 (1977)

214. N.A. Durmaneko, A.F. Voloshkin, Yu. M. Lomov,
Zh. I. Onistrat. and V.A. Lapitskii,
U.S.S.R. Pat. 514, 007. (1976)

215. S.S. Labana and S.C. Peng,
US Pat. 3, 975, 456. (1976)

216. S. Subramanyan and A.G. Pinkus,
J. Macromol. Sci. Chem., A22 (1), 23 (1985)

217. K.W. Leong, P. D'Almoore, M. Marletta and R. Langer,
J. Biomed. Mater. Res., 20 (1), 51 (1986)

218. N. R. Bertoniere, W.E. Franklin and S.P. Rowland,
Text. Res. J., 41 (1), 1 (1971)

219. E.L. Akim and Tr. Leningr,
Tekhnol. Inst. Tsellyulozn - Bumazhn. Prom., 12,
206 (1964)

220. A. Harald,
Textilveredlung, 7 (12), 793 (1972)

221. R. F. Schwenker (Jr.),
Text. Res.J., 32, 618 (1962)

222. V. W. Tripp, A. R. Moore and M. L. Rollins,
Text. Res. J. 31, 295 (1961)

223. G. M. Evans and R. Jeffries,
J. Appl. Polym. Sci., 14 (3), 655 (1970)

224. T. G. Gafurov, Sh. Melikuziev, G. Rakhamanberdiev,
Yu.T.Tashpulatov and Kh. U. Usmanov,
Uzb. Khim. zh., 15 (4), 67 (1971).

225. B.E. Geller, V.K. Pshedetskaya, D.L.Rakhmankulov,
S.S. Zlotskii and P.I. Baboshkin,
Deposited DOC, VINITI, 3227-75, 7 (1975).

226. S.M. Matsuzawa, K. Ogasawara and M. Matsumura,
Sen' i Gakkaishi, 30 (5-6), T-315 (1974).

227. T. Waichiro,
Bull. Inst. Chem. Res., 49 (2), 69 (1971).

228. Ya. M.Pilosov, M.M. Tuyaganov, T. G. Gafurov and
Kh. U. Usmanov,
Strukt. Modif. Khlop. Tsellyul., 4, 239 (1969)

229. R. T. O'Connor,
Develop. Appl. Spectroosc., 5, 129 (1965)

230. E.R. McCall, S.H. Miles and R.T. O' Connor,
Amer. Dyest. Rep., 55 (11), 400 (1966)

231. B.D. Saksena, K.C. Agarwal and G. S. Jauhri,
J. Polym. Scie., 62 (174), 347 (1962)

232. J. J. De Boer and H. Borsten,
Text. Res. J., 41 (4), 368 (1971)

233. F. Kainer,
Polyviniyallkohole, Ferdinande Enke verlag,
Struttgart, PP 63 - 86 (1949)

234. R. D. Dunlop,
F I A T Report No. 1109 (1947)

235. Y. Sakaguchi, J. Nishino, K. Inagaki, z. Sawada and K. Tamaki,
Kubunshi Kagaku, 23, 859 (1966)

236. A. F. Fitzhugh and R. N. Crozier,
J. Polym. Sci., 8, 225 (1952)

237. A. F. Fitzhugh abd R. N. Crozier,
J. Polym. Sci., 9, 96 (1952)

238. I. Sakurada, Y. Omura and Y. Sakaguchi,
Kobunshi Kagaku, 24, 341 (1967)

239. S. Okamura and T. Motoyama,
Kogyo Kagaku Zasshi, 55, 774 (1952)

240. E. Imoto and R. Motoyama,
Kobunshi Kagaku, 11, 251 (1954)

241. S. Okamura, T. Motoyama and K. Uno,
Kogyo Kagaku Zasshi, 55, 776 (1952)

242. E. T. Cline and H. B. Stevenson,
US Pat. 2, 606, 803 (1953)

243. T. Motoyama and S. Okamura,
Kobunshi Kagaku, 7, 265 (1950)

244. A.M. Maksimov and E.M. Lavent'eva,
Zh. Prikl. Khim., 28, 407 (1955)

245. J.O. Corner and E.L. Martin,
J. Amer. Chem. Soc., 76, 3593 (1954)

246. Y. Hachihama, M. Imoto and C. Asao,
Kagyo Kagaku Zasshi, 47, 919 (1944)

247. S. P. Rowland,
Amer. Dyest. Rep., 58 (22), 15 (1969)

248. D. D. Gagliardi and F. B. Shippee,
Text. Res. J., 31, 316 (1961)

249. S. P. Rowland, E. J. Roberts, A. L. Bullock,
V.O. Crinio, C. P. Wade and M.A.F. Brannan,
Text. Res. J., 39 (8), 749 (1969)

250. H. A. Peterson in Functional Finishes (Part A)
ed. by M. Lewin and S.B. Sello, New York, 47, (1983).

251. R.M. Reinhardt and B. A. Kottes Andrews,
Text. Res. J., 57 (3), 161 (1987)

252. (a) C.M. Welch and J. G. Peters,
Text. Res. J., 57, 351 (1987)
(b)C.M.Welch,
Text. Res. J., 53, 81 (1983)

253. P.N. Abhyankar, K.R. Beck, C.M. Ladisch
and N.R. Bertoniere,
Text. Res. J., 57, 395 (1987)

254. G. Faraone, G. Parasacco and C. Cogrossi,
J. Appl. Polym. Sci., 5 (13), 16 (1961)

255. I.P. Breusova, B.P. Morin, M.P. Bereza and Z.A. Rogovin,
Khim. Volokna, 6, 21 (1980)

256 G.N.Richards,
J.Appl. Polym. Sci. 5, 539 (1961)

257 I. Fumio,
J.Appl. Polym. Sci., 5, 88(1961)

258 I.H.Yasuda, J.A. Wray and V. Stannett,
J. Polym. Sci., Pt. C (2), 387 (1963)

259 Y. Akiyama,
Japan Pat. 26, 300 ('63)

260 M.P. Bereza, E.N. Chernov, B.P. Morin and Z.A. Rogovin,
Khim. Volokna, 14 (4), 61 (1972)

261 K. Matsuzaki and T.Miyata,
Kami - Pa Gikyoshi, 19 (12), 575 (1965)

262 H. Kraessig and J. Paul,
Lenzinger Ber, 37, 16 (1974)

263 S. Dasgupta,
Can. Spectrose, 12(1), 16, 25 (1967)

264 M.L.Rollins, A.M.Cannizzaro, F.A. Bluin and
J.C. Arthur (Jr.),
J. Appl. Polym. Sci., 12 (1), 71 (1968)

265 L. Wingkai,
US Pat. 3, 493, 082, (1970)

266 Y.M.Robert Huang and P. Chandramouli,
J. Appl. Polym. Sci., 12 (11), 2549 (1968)

267 Kh. U. Usmanov and S.A.Azimov,
J. Polym, Sci., Pt.C (4), 579 (1964)

268. K. Matsuzaki,
Sen-i-Gakkaishi, 26(12), 560 (1971)

269. G. M. Guzman,
Anales Real Soc. Espan Fiz. Quim. (Madrid),
Ser. B. 58 (2), 193 (1962)

270. S. Michalina and M. Marian,
Pr. Wydz. Nauk Tech, Budgoskie Tow, Nauk.,
Sr. A. (11), 61 (1976)

271. M. Imoto, K. Takemoto and C. Huang,
Fr. Pat. 1, 522, 775 (1968)

272. V.I.Kurlyankina, V.A.Molotkov, O.P. Kozmina,
A.K. Khripunov and I.N.Shtennikova,
Eur. Polym. J., 441 (1969)

273. J. G. Frick (Jr.) and A.G.Gautreaux,
Amer. Dyest. Rep., 59 (12), 40 (1970)

274. V. Stannet,
US At. Energy Comm. TID - 7643, 259 (1962)

275. M. Akiyama,
Japan Pat. 11, 237 (1960)

276. R.M.Livshits and Z.A.Rogovin,
Ysokomol, Soedin, 4 (5), 784 (1962)

277. H. Watamoto and H. Tonami,
Nippon Kagaku Kaishi, 10, 1437 (1928)

278. A.H.Reine, N. Portnoy and J.C.Arthur (Jr.),
Text. Res. J., 43(11), 638 (1973)

279. G. Jean, P. Richard and G. Gilbert,
Ger. Pat., 2, 416, 531, (1974)

280. U. Einsele,
ITE - Rep., Eurisotop Off., 87, 12 (1974)

281. T. Takhashi, M. Nagata, Y.Hori and I. Sato,
J. Polym. Sci., Pt. B 5 (6), 509 (1967)

282. L. Neimo, H. Sihtola, O. Harva and A. Sivola,
Paperi Puu, 49(8), 509 (1967)

283. C. Simionescu and S.Mihailescu,
Cellul, Chem. Technol., 4(1), 23 (1970)

284. E.W.Snell and R.N.McNair,
US Nat. Tech. Inform. Serv., AD Rep., 771944/6GA,
39 (1973)

285. M.A.Penenzhik, A.D.Virnik and Z.A.Rogovin,
Izv. Vyssh. Ucheb. Zaved, Khim. Khim. Tekhnol.,
10(9), 1043 (1967)

286. Z.A.Rogovin, V.I.Vashkov, Yu.S.Kozlova,
A.D.Virnik, T.A.Mal'tseva, A.A.Gulina - Pogadaeva,
G.V.Scheglova - Novikova and E.N. Nikiforova,
Fr. Pat. I, 499, 538, (1967)

287. Yu. S. Simakov and N.K.Baramboim,
Nauch. Tr.Mosk. Tekhnol, Inst. Legk. Prom., 35, 98 (1969)

288. N.I. Garbuz, M.A. Penenzh, R.G. Zhbankov,
A.D.Virnik and Z.A. Rogovin,
Zh. Prikl. Spektrosk., 14(3), 449 (1971)

289. M. Nagata, T. Takahasi, I. Sato and Y. Hori,
Japan Pat. 70, 20, 514 (1970)

290. M. Chene, F. Lafaye and S. Dardelet,
Chim. Anal (Paris), 48 (8), 429 (1966)

291. S. Morimoto, K. Okada, T. Okada and K. Wakagawa,
Japan Pat. 2500 (1959)

292. C. Vasiliu, D. Feldman and C. Simionescu,
Faserforsch. Textiltech., 14, 63 (1963)

293. P. Cremonesi, B. Foocher and L. Dangiuro,
Chim. Ind. (Milan, 54 (10), 871 (1972)

294. K. Dimov, P. Pavlv and G.G.East,
Cellul. Chem. Technol., 7 (4), 451 (1973)

295. K. Kh. Razikov, E.D. Tyagai, P.P. Larin and
Kh. U. Usmanov,
Yusokomol, Soedin, Ser. A 9(2), 393 (1967)

296. P. Cremonesi,
Ric. Doc. Tessile, 3 (2), 67 (1966)

297. J.W.Lynn and W.J.Skaraba,
US Pat. 3, 326, 788, (1967)

298. D. Imrosva and S. Maryska,
J. Appl. Polym. Sci., 11, 901 (1967)

299. A. Zilkha, B.A.Feit and A. Barnun,
US Pat. 3, 341, 453, (1967)

300. A. Hebeish and P.C. Mehta,
Text. Res. J., 37 (10), 911 (1967)

301. N.J. Morris, F.A. Blouin and .J.C.Arthur (Jr.),
J. Appl. Polym. Sci., 12 (2), 373 (1968)

302. C. Hamalainen, H.H. St. Mard and A.S. Cooper (Jr.),
Amer. Dyest. Rep., 57 (7), 219 (1968)

303. I. Kido, K. Suzuki and Y. Yamane,
Ashai Garasu Kogyo Gijutsu Shorei - Kai
Kenkyu Hokoku, 13, 61 (1967)

304. A. Yair and R. Ludwig,
Text. Res. J., 38 (7), 684 (1968)

305. M. Grivelle,
US Pat. 3, 395, 970 (168)

306. R. Ludwig,
Text. Chem. Color, 1 (8), 198 (1969)

307. M.P. Bereza, R.M.Livshits and Z.A. Rogovin,
Fzv. Vyssh, Ucheb Zaved. Khim. Khim.
Tekhnol., 13 (3), 416 (1970)

308. T. Toru,
Yamagata Daigaku Kogakubu Sen' i Seizo Kenkyu
Shisetsu Hokoku, 7, 19 (1971)

309. R. G. Grigoryan and Z.A. Rogovin,
IZV, Vyssh, Ucheb, Zaved., Tekhnol,
Tekst. Prom., 4, 110 (1967)

310. S.D. Savranskaya, M.A. Askarov, A.S.Bank and A.I.Petrov,
Izv. Akad. Nauk, Tadzh. SSR, Otd, Fiz. Mat.
Geol. - Khim. Nauk., 2, 56 (1968)

311. F.A.Blouin, N.J. Morris and J.C. Arthur (Jr.), Text. Res. J., 38 (7), 710 (1968)

312. G.N.Zinina, B.I.Aikhodzhaev and Yu.L.Pogosov. Uzk. Khim. Zh., 11 (5), 42 (1967)

313. Rayonier Inc, Brit. Pat. 962, 028, (1964)

314. S. Mrimoto, T. Okada, T. Toda and H. Nakagawa, Japan, Pat. 13, 881, (1960)

315. K. Hayakawa, K. Kawase and M. Iwasaki, Nagoya Kogyo Gijutsu Shinensho Hokoku, 22 (11), 435 (1973)

316. Z.A. Rogovin and Yu. G. Kryazhev, USSR Pat., 173, 946, (1965)

317. S. Cristoper and O. Spiridon, Cellul. Chem. Technol., 4 (5), 471 (1970)

318. S.G. Yul'chibaeva, A. Muratov and N.A.Tsagaraeva, Sb. Nauchn. Tr. - Taskh. GOS. Univ. Im. V.I.Lenina, 667, 66 (1981)

319. O. Vaitekunaite and J. Zdenavicius, Liet. TSR Aukst. Mokyklu Mokslo Darb., Chem. Chem. Technol., 10, 179 (1969)

320. V.N.Sharma and E.H.Daruwalla, Cellul. Chem. Technol., 10 (3), 303 (1976)

321. B. Feit, A. Bar-Nun, M.Lahan and A.Zilkha, J. Appl. Polym. Sci., 8, 1869 (1964)

322. H. Singh, R. T. Thampy and V.B.Chipalkatti,
J. Polym. Sci., A3, 4289 (1965)

323. Sun' Tun, L. Zhui and Z.A.Rogovin,
Vysokomolekul. Soedin., 5, 18 (1963)

324. R.M.Livshits, L.M.Levites and Z.A.Rogovin,
Polym. Sci. (USSR), 6, 1798 (1964)

325. L. Rebenfeld,
Textile Chemist and Colourists, 1, 198 (1969)

326. M. L. Rollins, A.M. Cannizzaro, F.A. Blouin and
J.C.Arthur,
J. Appl. Polym. Sci., 12, 71 (1968)

327. E.R.McCall and N. M. Nancy,
Developments in Appl. Spectroscopy, 7B, 228(1970)

328. B.N.Misra, I.K.Mehta and R.C.Khetrapal,
J. Polym. Sci., 22, 2767(1984)

329. A.H.Hebeish and J.T.Guthrie,
Chemistry and Technology of Cellulosic Copolymers, springer-
verlog, New York,(1981)

330. T.L.Ward and R.R.Benerito,
J. Appl. Polym. Sci., 21, 1933(1977)

331. A.Hebeish,
Kolorisztikai Erbseto, 1-2, 12(1971)

332. J.C.Watt,
J. Macromol. sci., Rev. Macromol. Chem., C5(1), 175(1970)

333. A.Hebeish and P. C. Mehta,
J. Appl. Polym. Sci., 12, 1321,1625(1968)

334. S. Lenka and A. K. Dhal,
J. Polym. Sci.,Polym. Chem. Div., 19, 2115(1981)

335. B. Renby and D. Zuchowska,
Polymer J., 19(5), 623(1987)

336. N. Nishioka and K. Kokai,
Polymer J., 13(12), 1125(1981)

337. A. Hebeish, M. H. EL Rafie, M. I. Khalil and A. Bendak,
J. Appl. Polym. Sci., 21, 1901(1977)

338 J. Compton and W. H. Martin,
Text. Res. J., 40, 813 (1970)

339. A. A. Saalen, S. H. Kandil and A. M. Habib,
Text. Res. J., 54, 863(1984)

340. A. G. Chitale and A. Y. Kulkarni,
J. Sci. Ind. Res., 20D, 223 (1961)

341. J. T. Marsh,
J. Soc. Dyers Colourists, 75, 244 (1959)

342. L. H. Chance, R. M. Perkins and W. A. Reeves,
Text. Res. J., 31, 366 (1961)

343. R. Steele,
Text. Res. J., 30, 37(1960)

344. W. A. Reeves, R. M. Perkins and L. H. Chance,
Text. Res. J.,30, 179 (1960)

345. W. A. Reeves,
J. Text. Inst., 53, P22 (1962)

346. J. D. Guthrie,
Text. Res. J., 29, 834 (1959)

347. P.N.Abhyankar, K.R.Beck and C.M.Ladish,
Text. Res. J., 55, 444 (1985)

348. F. F. Shih and S. P. Rowland,
Text. Res. J., 52, 108 (1982)

349. N. A. Ibrahim, R. Rafai and A. Hebeish,
Amer. Dyest. Rep., 75(7), 25 (1986)

350. D.S.Verma and Narasimhan,
J. Appl. Polym. Sci., 16, 332(1972)

351. R.F.Schwenker, L.R.Deck and R.K.Zuccarello,
Amer. Dyest. Rep., 53, 30(1964)

352. D. J. McDowell, B. S. Gupta and V. T. Stannett,
Polym. J., 19(5), 643 (1987)

353. B. Farnworth,
Text. Res. J.,56(11), 653 (1986)

354. C. A. Van Beest and P.P.M.M. Wittgen,
Text. Res. J., 56(9), 566 (1986)