REFERENCES

1. W.F. David, *Biocompatibility of Clinical Implant Materials*. Florida: CRC Press, Inc., 1981.

2. B.H. Thomas,: "Synthetic Bioabsorbable Polymers." in *High Performance Biomaterials:A Comprehensive Guide to Medical and Pharmaceutical Applications,* Thecnimic Publishing Company, Inc., Pennsylvania, pp. 210-228, 1991.

3. Medical Devicelink. 1998. "Synthetic Biodegradable Polymers as Medical Devices." [online]. Available http://www.devicelink.com (20/6/2001).

4. J.I. Kroschwitz, *Concise Encyclopedia of Polymer Science and Engineering*. New York: John Wiley & Sons, Inc., 1990.

5. N. Molloy, et al., *Biodegradable Polyesters for Use in Surgical Applications*, Chiang mai University, Chiang mai, 1990.

6. "Surgical Sutures and Specialities", Commercial product of Polysciences,Inc., USA,.

7. E.C. Jr.Carraher, *Seymour/Carraher's Polymer Chemistry : An Introduction*. 4th ed. New York: Marcel Dekker, Inc., 1996.

8. J.I. Kroschwitz, *Polymers : Biomaterials and Medical Applications*. New York: John Wiley & Sons, 1989.

9. D.I. Bower, *An Introduction to Polymer Physics*. Cambridge: Cambridge University Press, 2002.

10. R.J. Young, and P.A. Lovell, *Introduction to Polymers*. 2nd ed. London: Stanley Thornes (Publisher) Ltd., 1991.

11. U.W. Gedde, *Polymer Physics*. London: Chapman & Hall, 1995.

12. R.B. Seymour, and C.E. Carraher, *Structure-Property Relationships in Polymers*. New York: Plenum Press, 1984.

13. M.P. Stevens, *Polymer Chemistry : an Introduction*. 3rd ed. Oxford: Oxford University Press, Inc., 1999.

14. R.B. Seymour, and C.E. Carraher, *Polymer Chemistry An Introduction*. New York: Marcel Dekker, Inc., 1981.

15. J.M.G. Cowei, *Polymers: Chemistry and Physics of Modern Materials*. 2nd ed. London: Chapman&Hall, 1991.

16. R.J. Young and P.A. Lovell, *Introduction to Polymers*. 1st ed. Cambridge: Chapman and Hall Ltd., 1983.

17. F.W. Billmeyer, *Textbook of Polymer Science*. New York: John Wiley & Sons, Inc., 1984.

18. Z. Tadmor, and C.G. Gogos, *Principles of Polymer Processing*. Toronto: John Wiley & Sons, Inc., 1979.

19. H.G. Elias, *An Introduction to Polymer Science*. New York: VCH Publishers, Inc., 1997.

20. A. Sharples, *Introduction to Polymer Crystallizatiion*. London: Edward Arnold Ltd., 1966.

21. M. Srisa-ard, et al., *Polym. Int.,* 2001, 50: 891.

22. R.S. Bezwada, et al., *Biomaterials.* 1995, 16: 1141.

23. D.K. Gilding and A.M. Reed, *Polymer.* 1979, 20: 1459.

24. D.W. Grijpma and A.J. Pennings, *Polym. Bull.,* 1991, 25: 335.

25. Q. Cai, et al., *Polym. Adv. Technol.,* 2000, 11: 159.

26. Q. Cai, et al., *J. Biomater. Sci.-Polym. Ed.,* 2000, 11: 273.

27. Y. Baimark, and R. Molloy, *Science Asia.* 2004, 30: 327.

28. Y. Baimark, et al., *J. Mater. Sci : Mater. Med.,* 2005, 16: 699.

29. J.W. Leenslag and A.J. Pennings, *Makromolekulare Chemie-Macromolecular Chemistry and Physics.* 1987, 188: 1809.

30. M. Bero, et al., *Macromol. Chem. Phys.,* 1999, 200: 911.

31. S. Barbara, *Polymer Analysis*. Chichester: John Wiley & Sons, Ltd., 2002.

32. M. Srisa-Ard, "*Development of New Biodegradable Polyesters Based on L-Lactide, Glycolide and ε- Caprolactone for Use as Absorbable Monofilament Surgical Sutures*". PhD Thesis, Chiang Mai University, 2001.

33. R. Molloy, and N. Molloy, "Polymer Chemistry", Chiang Mai University, Chiang Mai, 1996.

34. D.A. Skoog, *Principles of Instrumental Analysis*. 3rd ed. Philadelphia: Saunders College Publishing, 1985.

35. G.D. Christian, and J.E. O'Reilly, *Instrumental Analysis*. 2nd ed. Massachusetts: Allyn and Bacon, Inc., 1986.

36. R.B. Seymour, *Introduction to Polymer Chemistry*. New York: McGraw-Hill, Inc., 1971.

37. J.W. Robinson, *Undergraduate Instrumental Analysis*. New York: Marcel Dekker, Inc., 1970.

38. T.H. Gouw, *Guide to Modern Methods of Instrumental Analysis*. New York: John Wiley & Sons, Inc., 1972.

39. C.H. Holten, *Lactic Acid : Properties and Chemistry of Lactic Acid and its Derivatives*. Germany: Verlag Chemie, 1971.

40. D.O. Hummel, *Atlas of Polymer and Plastics Analysis*. 2nd ed. Kaiserlautern: Verlag Chemie, 1978.

41. P. Vanhoorne, et al., *Macromolecules.* 1992, 25: 37.

42. J.M. Vion, et al., *Macromolecules.* 1986, 19: 1828.

43. J. Kasperczyk, *Polymer.* 1996, 37: 201.

44. P. Dobrzynski, et al., *Macromolecules.* 2001, 34: 5090.

45. J. Kasperczyk, *Macromol. Chem. Phys.,* 1999, 200: 903.

46. J.W. Pack, et al., *J. Polym. Sci. Pol. Chem.,* 2002, 40: 544.

47. P. Dobrzynski, *J. of Polym. Sci : Pt. A-Polym. Chem.* 2002, 40: 1379.

48. H.R. Kricheldorf, et al., *Macromolecules.* 1988, 21: 286.

49. O. Jeon, et al., *Macromolecules.* 2003, 36: 5585.

50. E. Pamula, et al., *Journal of Molecular structure.* 2005, 744-747: 557.

51. P. Dobrzynski, *J. of Polym. Sci : Pt. A-Polym. Chem.* 2002, 40: 3129.

52. J. Kasperczyk, and M. Bero, *Makromol. Chem.,* 1991, 192: 1777.

53. M. Bero, et al., *Makromol. Chem.,* 1993, 194: 907.

54. H.R. Kricheldorf, et al., *Macromolecules.* 1984, 17: 2173.

55. J. Kasperczyk, and M. Bero, *Makromol. Chem.,* 1993, 194: 913.

56. C. Booth, and C. Price, *Comprehensive Polymer Science*. New York: Pergamon Press, 1989.

57. Flory, P.J., *J. Chem. Phys.,* 1949, 17: 223.

58. E.W. Fischer, et al., *Polymer*. 1973, 251: 980.

59. M. Chanda, and K.S. Roy, *Plastics Technology Handbook*. 2nd ed. USA: Marcel Dekker, Inc., 1993.

60. B.C. Goswami, et al. *Textile Yarns : Techonology, Structure and Applications.* New York: John Wiley & Sons, Inc., 1977.

61. A.R. Harrocks, and S.C. Anand, *Handbook of Technical Textiles*. Cambridge: Woodhead Publishing Limited, 2000.

62. T. Nakajima, et al. *Advanced Fiber Spinning Technology*. Cambridge: Woodhead Publishing Ltd., 1994.

63. Z.K. Walczak, *Formation of Synthetic Fibers*. New York: Gordon and Breach Science Publishers Inc., 1977.

64. J.E. Spruiell,: "Structure Formation during Melt Spinning." in *Structure Formation in Polymeric Fibers,* Carl Hanser Verlag, Munich, pp. 5-87, 2001.

65. L. Mandelkern, *An Introduction to Macromolecules*. 2nd ed. New York: Springer-Verlag New York Inc., 1983.

66. D.R. Salem, *Structure Formation in Polymeric Fibers*. Munich: Hanser Gardner Publications, Inc., 2001.

67. E.E. Stout, *Introduction to Textiles*. 3rd ed. New York: John Wiley & Sons, Inc., 1970.

68. K. Mezghani, and J.E. Spruiell, *J. Polym. Sci. Pt. B-Polym. Phys.,* 1998, 36: 1005.

69. H.S. Kaufman, and J.J. Falcetta, *Introduction to Polymer Science and Technology : An SPE Textbook*. New York: John Wiley & Sons, Inc., 1977.

70. W. Okumura, et al., *J. Polym. Sci : Pt. B-Polym. Phys.* 2004, 42: 79.

71. I.M. Campbell, *Introuduction to Synthetic Polymers*. 2nd ed. New York: Oxford University Press Inc., 2000.

72. W.D. Callister, *Materials Science and Engineering : An Introduction*. 4th ed. Weinheim: John Wiley & Sons, Inc., 1997.

73. V. Shah, *Handbook of Plastics Testing Technology*. New York: John Wiley & Sons, Inc., 1984.

74. A. Jensen, and H.H. Chenoweth, *Applied Strength of Materials*. 3rd ed. New York: McGraw-Hill, Inc., 1975.

75. R.P. Brown, *Handbook of Plastics Test Methods*. 3rd ed. London: The Plastic and Rubber Institute, 1988.

76. I.M. Ward, and D.W. Hadley, *An Introduction to the Mechanical Properties of Solid Polymers*. Chichester: John Wiley & Sons, Inc., 1997.

77. M.N. Bikales, *Mechanical Properties of Polymers*. New York: John Wiley & Sons, Inc., 1971.

78. J. Schultz, *Polymer Materials Science*. New Jersey: Prentice-Hall, Inc., 1974.

79. N. Ruaiporn, "*Production Control and Microstructural Characterisation of the Solid-State Morphology in Melt-Spun Monofilament Fibres of Poly(L-Lactide-co-ε-Caprolactone-co-Glycolide)*". M.S. Thesis, Chiang Mai University, 2002.

80. P. Muhamud, "*Production Control and Microstructural Characterisation of the Solid-State Morphology in Melt-Spun Monofilament Fibres for Use as Absorbable Surgical Sutures*". M.S. Thesis, Chiang mai University, 1999.

81. W. Channuan, et al., *Polymer.* 2005, 46: 6411.

82. P. De Santis, and J. Kovacs, *Biopolymers.* 1968, 6: 299.

83. A.W. Hoogsteen, et al., *Macromolecules.* 1990, 23: 634.

84. J. Kobayashi, et al., *J. Appl. Phys.* 1995, 77: 2957.

85. B. Eling, et al., *Polymer.* 1982, 23: 1587.

86. L. Cartier, et al., *Polymer.* 2000, 41: 8909.

87. J. Puiggali, et al., *Polymer.* 2000, 21: 8921.

88. S. Sasaki, and T. Asakura, *Macromolecules.* 2003, 36: 8385.

89. W.D. Callister, *Materials Science and Engineering : An Introduction*. 3rd ed.

Weinheim : John Wiley & Sons, Inc., 1994.

90. R.J. Roe, *Methods of X-ray and Neutron Scattering in Polymer Science*. Oxford: Oxford University Press, Inc., 2000.

91. J. Blackwell,: "Microstructure Characterization: Wide-Angle X-ray Diffraction Analysis of Fibers." In *Structure formation in polymeric fibers,* Carl Hanser Verlag, Munich,pp. 457-473, 2001.

92. R. Bonart, et al., *Norelco Reporter.* 1960, 7: 3.

93. R. Lovell and G.R. Mitchell, *Acta Cryst.* 1981, A37: 135.

94. G.R. Mitchell and A.H. Windle, *Colloid & Polymer Science.* 1982, 260: 754.

95. G.R.Mitchell,: "X-ray Scattering from Non-crystalline and Liquid Crystalline Polymers." in *Comprehensive Polymer Science,* Pergamon Press, New York, pp. 687-729, 1989.

96. G.R. Mitchell, and A.H. Windle: "Orientation in liquid crystal polymers." In *Development in Crystalline Polymers,* Elsevier Applied Science, London, 1988.

97. N.S. Murthy,: "Small-Angle Scattering." in *Structure formation in polymeric fibers,*Carl Hanser Verlag, Munich, pp. 475-491, 2001.

98. H.G. Zachmann,: "Wide Angle and Small Angle X-ray Scattering for Studies of the Crystallization of Polymers." in *Rontgen Centennial : X-rays in Natural and Life Sciences*, World Scientific Publishing Co. Pte. Ltd, London, pp. 659-679, 1997.

99. H.A. Strobel, and W.R. Heineman, *Chemical Instrumentation : A Systematic Approach*. 3rd ed. New York: John Wiley & Sons, 1989.

100. C.E. Lyman, et al. *Scanning Electron Microscopy, X-ray Microanalysis and Analytical Electron Microscopy : A Laboratory Workbook*. New York: Plenum Press, 1990.

101. S. Saengsuwan, et al., *Polymer.* 2003, 44: 5951.

102. D. Bassett, *J. Macromol. Sci. Phys.* 2003, B42: 227.

103. J.R. Sarasua, et al., *Macromolecules.* 1998, 31: 3895.

104. R. Vasanthakumari and J.A. Penning, *Polymer.* 1983, 24: 175.

105. H. Tsuji and Y. Ikada, *Polymer.* 1995, 36: 2709.

106. T. Miyata and T. Masuko, *Polymer.* 1997, 38: 4003.

107. Y. Chatani, et al., *Polymer Journal.* 1970, 1: 555.

108. G.R. Mitchell, et al., *Prog. Colloid Polym. Sci.* 2005,130.

109. R.W. Richards, *Scattering Methods in Polymer Science*. London: Ellis Horwood Limited, 1995.

110. X.B. Fu, et al., *Polymer.* 2002, 43: 5527.

111. J. Wu, et al., *Polymer.* 2001, 42: 7161.

112. S. Ran, et al., *Polymer.* 2001, 42: 1601.

113. P. Punyamoonwongsa, "*In Vitro Hydrolytic Degradation Studies of Absorbable Monofilament Surgical Sutures*". M.S., Chiang Mai University, 2001.

114. Z. Qian, et al., *Polym. Degrad. Stab.,* 2004, 83: 127.

115. Y. Baimark, "*Design, Synthesis and Characterisation of Segmented Block Terpolymers of L-Lactide Glycolide and ε-Caprolactone for Use as Absorbable Monofilament Surgical Sutures*". PhD Thesis, Chiang Mai University, 2004.

116. M. Ito, et al., *Polymer*. 2001, 42: 241.