References

1. Rwei SP, Lin YT, Su YY. Study of Self-Crimp Polyester Fibers. *Polymer Engineering and Science* 2005; 45(6), 838-845.

2. Jeffries R. Bi-Component Fiber. Merrow Publishing Co. Ltd, Manchester, 1971.

3. Kevin FM, Doros NT. Interfacial Structure and Dynamics of Macromolecular Liquids: A Monte Carlo Simulation Approach. *Macromolecules* 1989; 22(7): 3143-3152.

4. Yang ZL, Wang FM. Dyeing and Finishing Performance of Different PTT/PET Bi-Component Filament Fabrics. *Indian Journal of Fiber & Textile Research* 2016; 41(4), 422-417.

5. Yang ZL, Xu BG, Wang FM. Key Factors Affecting Binding Tightness Between Two Components Of PTT/PET Side-By-Side Filaments. *Industria Textila* 2016; 67(4): 226-232.

6. Chuah HH. Orientation and Structure Development in Poly (Trimethylene Terephthalate) Tensile Drawing. *Macromolecules* 2001; 34(20): 6985-6993.

7. Drozdzynska A, Leja K, Czaczyk K. Biotechnological Production Of 1,3-Propanediol from Crude Glycerol. *Biotechnologia* 2011; 92(1): 92-100.

8. Deckwer WD. Microbial Conversion of Glycerol to 1,3-Propanediol: Recent Progress. FEMS Microbiology Reviews 1996; 16(2-3): 143-149.

9. Liu XS, Jiao SY, Wang FM. Configuring the Spinning Technology of PTT/PET Bicomponent Filaments According to Fabric Elasticity. *Textile Research Journal* 2013; 83(5): 487-498.

10. Oh TH, Han SS, Lyoo WS, Jeon HY. Molecular Structures and Physical Properties of Heat-Drawn Conjugates Fibers. *Polymer Engineering and Science* 2014; 51(2): 232-236.

11. Gu F, Wang FM. Prediction Method of Elastic Elongation of PTT/PET Self-Crimping Fibers. Journal of Donghua University (Natural Science). 2001; 37(3): 262-266.

12. Luo J, Wang FM, Xu BG. Factors Affecting Crimp Configuration of PTT/PET Bicomponent Filaments. *Textile Research Journal* 2011; 81(5), 538-544.

13. Chen SH, Wang SY. Latent Crimp Behavior of PET/PTT Elastomultieater and a Concise Interpretation. *Journal of Macromolecular Science B-Physics* 2011; 50(7): 1447-1459.

14. Xiao CX, Li WG, Huang XA. Research on the Compatibility of PTT/PET Blends. *Synthesis Fiber* 2003; 32(6): 22-25.

15. Liang H, Wu W, Qian Q, Liu M. Melting Crystallization of PET/PTT Blends. *Polymer Material Science & Engineering* 2007; 23(1): 153-156.

16. Son TW, Kim KI, Kim NH. Thermal Properties of Poly (Trimethylene Terephthalate)/Poly(Ethylene Terephthalate) Melt Blends. *Fiber and Polymer* 2003; 4(1), 20-26.

17. Shyr TW, Lo CM, Ye SR. Sequence Distribution and Crystal Structure of Poly(Ethylene/Trimethylene Terephthalate) Copolyesters. *Polymer* 2005; 46(14): 5284-5298.

18. Chiu FC, Huang KH, Yang JC. Miscibility and Thermal Properties of Melt-Mixed Poly(Tremethylene Terephthalate)/Amorphous Copolyester Blends. *Journal of Polymer Science: Part B: Polymer Physics* 2003; 41(19): 2264-2274.

19. Pan JJ, Wang YF, Li BH, Run MT. Phase Morphology, Mechanical and Thermal Properties of Poly(Trimethylene Terephthalate) and Poly(Ethylene Terephthalate) Blends. *Applied Mechanics and Materials* 2016; 835: 277-283.

20. Cui J, Wang CS, Wang HP, Chen Y, Zhang YM. Sequence Distribution and Structure of PTT/PET Copolyesters. *Synth Fiber*. 2006; 35(9), 1-5.

21. Li GJ, Xing DG, Li W, Lu KX, Chen YM, Huang NX, Zhou EL. Studies on the morphology and crystallization behavior of PTT/PET blend system. Acta Polymerica Sinica. 2005; 5: 736-739.

22. Arasteh R, Naderi A, Kaptan N, Maleknia L. Effects of fiber spinning on the morphology, rheology, thermal, and mechanical properties of poly(trimethylene terephthalate)/poly(ethylene terephthalate) blends. *Advances in Polymer Technology* 2015; 33, S1.

23. Leal AA, Neururer AO, Bian A, Gooneie A, Rupper P, Masania K, Dransfeld C, Hufenus R. Interfacial Interactions In Bicomponent Polymer Fibers. *Polymer* 2018; 142, 375-386.

24. Kikutani T, Radhakrishnan J, Arikawa S, Takaku A, Okui N, Jin X, Niwa F, Kudo Y. High-Speed Melt Spinning of Bicomponent Fibers: Mechanism of Fiber Structure Development in Poly(Ethylene Terephthalate)/ Polypropylene System. *Journal Of Applied Polymer Science* 1996; 62(11): 1913-1924.

25. Hufenus R, Yan Y, Dauner M, Yan D, Kikutani T. Bicomponent fibers in: Jinlian Hu (Ed.), Handbook of Fibrous Materials, Wiley-VCH Publishing Ltd., 2017.

26. Jablonski EL. Interdiffusion Phenomena at Partially Miscible Polymer Interfaces, Iowa State University, 2002.

27. Spruiell JE, White JL. Structure Development During Polymer Processing-Studies of Melt Spinning of Polyethylene and Polypropylene Fibers. *Polymer Engineering Science* 1975; 15(9): 660-667.

28. Southern JH, Marin DH, Baird DG. Improved Shear-Core Adhesion in Biconstituent Fiber via Interface Mixing. *Textile Research Journa* 1980; 50(7): 411-416.

29. Ide F, Hasegawa A. Studies on Polymer Blend of Nylon-6 and Polypropylene or Nylon-6 and Polystyrene Using Reaction of Polymer. *Journal of Applied Polymer Science* 1974; 18(4): 963-974.

30. Yang XG. Interface of Composite Material. Chemical Industry Press, Beijing; 2010.

31. Wu PX, Zhang LC. Polymer Blending Modification. China Light Industry Press, Beijing, 1994.

32. Chen XH, Peng SX. Principle and Technology of Polymer Blending. Chemical Industry

Press, Beijing, 2011

33. Smith WA, Barlow JW, Paul DR. Chemistry of Miscible Polycarbonate Copolyester Blends. *Journal of Applied Polymer Science* 1981; 26(12): 4233-4265.

34. Antxon MI, Sebastian MG. Chemical Structure and Microstructure of Poly(Alkylene Terephthalate)S, their Copolyesters and their Blends as Studied by NMR. *Macromolecular Chemistry and Physics* 2014; 215(22): 2138-2160.

35. Akitt JW, Mann BE. NMR and Chemistry. Cheltenham, UK: Stanley Thornes, 2000.

36. Chuah HH. Crystallization kinetics of poly(trimethylene terephthalate). *Polymer Engineering and Science* 2001; 41(2): 308-313.

37. Chen GK, Gu LX. Studies on the Crystallization Properties and Crystallization Kinetics of Polytrimethylene Terephthalate. *Polymer Materials Science and Engineering* 2001; 17(1), 141-145.

38. Oh TH, Han SS, Lyoo WS, Jeon HY. Molecular Structures and Physical Properties of Heat-Drawn Conjugates Fibers. *Polymer Engineering and Science* 2014; 51(2): 232-236.