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BIOGRAPHY

Dr. Fang completed her bachelor degree in life sciences at Anhui University in 1990. From 1990 to 1998, she engaged in developing novel materials for advanced powder coating and green flexible packaging technologies at Huangshan Yongjia (group) Co., Ltd. After that she went on to obtain her Master of Engineering degree at Zhejiang University in 2002, and complete her Ph.D. degree in Advanced Coatings Research Center of China Educational Ministry at Fudan University in 2007. Her thesis research focused on the preparation of novel functional multi-block copolymer and elastomer materials for surface coating. In 2002, Dr. Fang started her teaching and research career as an Associate Professor at Huangshan University. Now, Dr. Fang is a Professor and the Associate Dean of School of Chemistry and Chemical Engineering at Huangshan University. Besides managing teaching related activities of the school, Dr. Fang spends most of her time focusing on innovation and research. Dr. Fang has invented several coating and adhesive related products including moisture-cured polyurethane, bamboo-fibers reinforced composites and lignin-modified resin adhesive. To date, Dr. Fang has been granted 8 China Patents and published more than 40 articles mainly on the development of novel organic polymer materials and their applications for surface coating with environment-friendly property and high performance. Her recent research interests include developing novel organic polymer materials as well as separation and characterization of natural products.

EDUCATION:

- Ph.D., Materials Chemistry and Physics, Fudan University, Shanghai, China
Dissertation: "*Microphase Separation Behavior and Properties of PDMS-MDI-PEG Multiblock Copolymer Coatings,*" Adviser, Professor Limin Wu
- Master of Engineering, Polymerization Engineering, Zhejiang University, China
Thesis: "*Research and Development of Water-based Ink For Flexographic Printing,*" Adviser, Professor Bogeng Li
- Bachelor of Science, Life Sciences, Anhui University, China

PUBLICATIONS (SELECTED PAPERS):

- [1] Peng Cui, **Hongxia Fang***, Qianglin Wu, Chen Qian. *Relative Molecular Mass Determination of Phenolated Sodium Lignosulfonate by Advanced Polymer Chromatography System*. Chinese Journal of Chromatography, 2015, 33(3): 314
- [2] **Hongxia Fang**, Qianglin Wu, Rong Jiang. *Preparation and Carbonization Behavior of Bamboo Fiber Modified by Copolymerized Phenolic Resin*. Chinese Journal of Materials Research, 2014, 28(11): 853
- [3] **Hongxia Fang**, Qianglin Wu, Yongchen Hu, Yonglei Wang. *Effects of Thermal Treatment on Durability of Short Bamboo-fibers and Its Reinforced Composites*. Fibers and Polymers, 2013, 14(3): 436
- [4] Qianglin Wu, **Hongxia Fang***, Yunsheng Ding. *Preparation and Thermo-property of Bamboo Fibre Modified by Copolymerized Phenolic Resin*. Engineering Plastics Application, 2012, 40(11): 69
- [5] **Hongxia Fang**, Qianglin Wu, Yongchen Hu. *Effects of Thermal Treatment on Chemical Transformation of Short Bamboo-Fibers*. Asian Journal of Chemistry, 2012, 9, 4007
- [6] **Hongxia Fang**, Qianglin Wu, Yunsheng Ding. *Preparation and Characterization of Novolac PF with High Softening Point and Low Free Phenol*. Engineering Plastics Application. Engineering Plastics Application, 2011, 39(11): 40
- [7] Bingjie Ren, Yuxiang Chen, **Hongxia Fang***. *Grafting Modification on Bamboo Cellulose Fibre and Composite Properties*. Engineering Plastics Application, 2011, 39(5): 16
- [8] **Hongxia Fang**, Libang Feng, Limin Wu. *Microphase Separated Structures and Properties of PDMS-MDI-PEG Copolymer Surface*. Chinese Journal of Polymer Science, 2009, 27(3): 327
- [9] **Hongxia Fang**, Jinyu Sun, Lei Zhang, *Preparation and Characterization of Ternary Green Composite Film by NMMO Technology*. Polymer Materials Science & Engineering, 2009, 25(2):148
- [10] **Hongxia Fang**, Qianglin Wu, Xiaowei Xi, *Preparation of Lignin-based Polyphenol-formaldehyde Adhesive with Environment-friendly Property and Higher Performance*. Journal of Fudan University (Natural Science), 2009, 48(3): 295
- [11] **Hongxia Fang**, Shuxue Zhou, Limin Wu. *Microphase separation behavior on the surfaces of PDMS-MDI-PEG multiblock copolymer coatings*. Applied Surface Science, 2006, 253 (5) : 2978

- [12] **Hongxia Fang**, Libang Feng, Shuxue Zhou, Limin Wu. *Effect of Annealing on the Microphase Separated Behavior and Properties of PDMS-MDI-PEG Multiblock Copolymer Films*. J Polym Science Part B: Polym Phys, 2007, 45(2): 208
- [13] **Hongxia Fang**, Shuxue Zhou, Limin Wu. *Micro Separation Behavior of PDMS-MDI-PEG Multiblock*. Acta Polymerica Sinica, 2007, (2): 178
- [14] Libang Feng, **Hongxia Fang**, Shuxue Zhou, Limin Wu. *One-Step Method for Synthesis of PDMS-Based Macroazoinitiators and Block Copolymers from the Initiators*. Macromolecular Chemistry and Physics, 2006, 207(17): 1575
- [15] Libang Feng, **Hongxia Fang**, Shuxue Zhou*, Limin Wu, Bo You. *Synthesis and Surface Characterization of Poly(methyl methacrylate)-Block-Polydimethylsiloxane Copolymers from a Macroazoinitiator*. Journal of Applied Polymer Science, 2007, 104 (5): 3356
- [16] Libang Feng, **Hongxia Fang**, Shuxue Zhou, Guangxin Gu, Limin Wu. *Synthesis of POMS-containing Macroazoinitiator by One Step Method and Its Application in Preparation of Block Copolymers*. Acta Polymerica Sinica, 2007, (5): 461

PATENTS:

- [1] **Hongxia Fang**, Qianglin Wu, Xiunan Yan, Yonglei Wang, Pen Cui, Qinran Wu, Xin Han. ZL201410264173.4 (April 1, 2015)
- [2] **Hongxia Fang**, Qianglin Wu, Changjiang Li. ZL201210146157.6 (June 25, 2014)
- [3] **Hongxia Fang**, Qianglin Wu, Bingjie Ren. ZL201010167631.4 (May 9, 2012)
- [4] **Hongxia Fang**, Jinyu Sun, Changyu Hu. ZL200910144257.3 (April 4, 2012)
- [5] **Hongxia Fang**, Lei Zhang, Qianglin Wu. ZL200810035854.8 (December 14, 2011)
- [6] **Hongxia Fang**. ZL200510030045 (April 23, 2008)
- [7] Yonglei Wang, **Hongxia Fang**, Qianglin Wu. ZL201310188101(October 29, 2014)
- [8] Limin Wu, **Hongxia Fang**, Bo You. ZL200410053452.2 (August 19, 2009)