

Name	Wang Xiao	Gender	Female
Academic title	Vice professor	Education	Ph.D.
Telephone	0411-86323438	Email	wangxiao@dlpu.edu.cn
Address	No.1 Qinggongyuan, Ganjingzi, Dalian, Liaoning, China	Postcode	116034

### Brief introduction

Wang Xiao, Female, Ph.D., Vice professor, Master supervisor, born in November 1980, graduated from Kumoh National Institute of Technology with a major in Textile and Fashion Engineering, supported by five provincial research programs.

### Research directions

Polymer/inorganic composite adsorption material  
 Ecological dyeing and modification of textile material via photografting  
 Functional and smart textiles

### Representative papers

1. Qiang Ji, Xiao Wang\*, Ruoyuan Song, Yongzhu Cui, Lihua Lv, Graft and fixation of modified cationic dye onto cotton fiber via ATRP and UV method, Journal of Fiber Science and Technology, 73(5): 114-121(2017)
2. Xiao Wang\*, Yue Zhang, Lihua Lv, Yongzhu Cui, Chunyan Wei, Guibing Pang, Preparation of Mg(OH)<sub>2</sub> hybrid pigment by direct precipitation and graft onto cellulose fiber via surface-initiated atom transfer radical polymerization, Applied Surface Science 363: 189-196(2016)
3. Jing Li, Xiao Wang\*, Yongzhu Cui, Ruoyuan Song, Lihua Lv, Chunyan Wei, Improvement of flame retardancy of PET fabric via UV induced grafting of organic phosphorus monomer, Journal of Fiber Science and Technology, 72(9) : 200-205 (2016)
4. Zhen Jiang, Xiao Wang\*, Lihua Lv, Yongzhu Cui and Guibing Pang, Immobilization of modified hydroxyapatite particles onto PET filter fabric for adsorption property, Journal of Industrial Textiles, 46(1): 88-100(2016)
5. Zhen Jiang, Xiao Wang\*, Haitao Ma, Lihua Lv, Yongzhu Cui, and Guibing Pang, Photografting of 2-(Dimethylamino)ethyl Methacrylate onto Cellulosic Material for Better Antibacterial Property, Fibers and Polymers, 15(12): 2453-2457(2014)
6. X. Wang\*, J. Lan, C. Huang, L. Lv, Y. Cui and G. Liu, Colouration and decolouration of cellulose material with pigments obtained by enwrapping dyes onto TiO<sub>2</sub>, Materials Research

Innovations, 18(S4) : 77-80(2014)

7.Xiao Wang, Zhelun Yan and Chun Li, A measurement method of pore size evaluation of filter fabric, *Measurement*, 45(3): 284-289(2012)

8.Xiao Wang , Byung Gil Min, et al., Column study of cadmium adsorption onto polyacrylonitrile/hydroxyapatite composite bead, *Revue Roumaine de Chimie* , 55(8) : 443-447(2010)

9.Xiao Wang, Jung-Hwan Kim and Byung Gil Min, Column Study of Cadmium Adsorption onto Poly (vinyl alcohol)/ Hydroxyapatite Composite Cryogel, *Fibers and Polymers*, 9(3) : 263-266(2008)

10.Xiao Wang and Byung Gil Min, Comparison of porous poly (vinyl alcohol)/ hydroxyapatite composite cryogels and cryogels immobilized on poly (vinyl alcohol) and polyurethane foams for removal of cadmium, *Journal of Hazardous Materials*, 156: 381–386 (2008)

11.Xiao Wang and Byung Gil Min, Cadmium sorption properties of poly (vinyl alcohol)/hydroxyapatite cryogels: II. Effects of operating parameters, *Journal of Sol-Gel Science and Technology*, 45(1): 17-22(2008)

12.Xiao Wang and Byung Gil Min, Cadmium sorption properties of poly (vinyl alcohol)/hydroxyapatite cryogels: I. Kinetic and isotherm studies, *Journal of Sol-Gel Science and Technology*, 43(1): 99-104 (2007)

13. Xiao Wang, Yong Sik Chung, Won Seok Lyoo and Byung Gil Min, Preparation and properties of chitosan/poly (vinyl alcohol) blend foams for copper adsorption, *Polymer International*, 55(11): 1230-1235 (2006)

14. Xiao Wang, Soo Young Park, Kwan Han Yoon, Won Seok Lyoo and Byung Gil Min, The effect of multi-walled carbon nanotubes on the molecular orientation of poly (vinyl alcohol) in drawn composite films, *Fibers and Polymers*, 7(4): 323-327 (2006)