

# 徐 荷 澜

## 1. 个人简介

徐荷澜，2014年毕业于内布拉斯加大学林肯分校纺织、营销与服装设计系，获博士学位。2014年-2017年于内布拉斯加大学林肯分校纺织、营销与服装设计系任研究助教授。2018年4月至今任江南大学纺织服装学院校聘教授。

主要从事生物基天然/合成高分子纤维和纺织材料的开发利用，源于废弃农副产品等的天然蛋白质大分子的再生和资源化等绿色纺织材料和工艺开发方面的研究。在 *Chemical Engineering Journal*, *Environmental Science & Technology*, *ACS Sustainable Chemistry & Engineering*, *Journal of Cleaner Production*, *Bioresource Technology*, *Langmuir*, *Journal of Materials Chemistry* 等国内外知名期刊上以第一作者、通讯作者和合作作者发表论文 50 余篇。合作主编了《*Lightweight Materials from Biopolymers and Biofibers*》和《*Porous lightweight composites reinforced with fibrous structures*》，分别被美国化学会 American Chemical Society 和 Springer 出版。



## 2. 研究生教育

硕士生

(1) 学术型研究生招生专业：

① 082101 纺织工程

研究方向：02 纤维制品现代加工技术及清洁化生产

② 082102 纺织材料与纺织品设计

研究方向：02 纤维资源综合利用

(2) 专业学位研究生招生专业：

085220 纺织工程（专业学位）

研究方向：01 现代纺织技术

## 3. 联系方式

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近 5 年发表的代表性论文:

1. Mi, Xiang, **Helan Xu\***, and Yiqi Yang\*. "Submicron amino acid particles reinforced 100% keratin biomedical films with enhanced wet properties via interfacial strengthening." **Colloids and Surfaces B: Biointerfaces** (2019). (大区分区: 2 区, 2017 IF = 3.997)
2. Gangwei Pan, **Helan Xu\***, Bingnan Mu, Bomou Ma and Yiqi Yang\*, "A clean approach for potential continuous mass production of high-molecular-weight polylactide fibers with fully stereo-complexed crystallites." **Journal of Cleaner Production** 176 (2018): 15-158. (大区分区: 2 区, 2017 IF = 5.651)
3. Gangwei Pan, **Helan Xu\***, Bingnan Mu, Bomou Ma, Jing Yang and Yiqi Yang\*, "Complete stereo-complexation of enantiomeric polylactides for scalable continuous production." **Chemical Engineering Journal** 328 (2017): 759-767. (1 区 Top, IF = 6.735)
4. **Helan Xu**, Maiping Yang, Xiuliang Hou, Yiqi Yang, "Industrial trial of high-quality all green sizes composed of soy-derived protein and glycerol", **Journal of Cleaner Production** 135 (2016):1-8. (2 区, IF = 5.651)
5. **Helan Xu**, and Yiqi Yang. "Nanoparticles derived from plant proteins for controlled release and targeted delivery of therapeutics." **Nanomedicine** 10, 13 (2015): 2001-2004. (2 区, IF = 5.005)
6. **Helan Xu**, Hazal Canisag, Bingnan Mu, and Yiqi Yang. "Robust and Flexible Films from 100% Starch Cross-Linked by Biobased Disaccharide Derivative." **ACS Sustainable Chemistry & Engineering** 3, 11 (2015): 2631-2639. (2 区 Top, IF = 6.140)
7. **Helan Xu**, Li Shen, Lan Xu, and Yiqi Yang. "Low-temperature crosslinking of proteins using non-toxic citric acid in neutral aqueous medium: Mechanism and kinetic study." **Industrial Crops and Products** 74 (2015): 234-240. (1 区 Top, IF = 3.849)
8. **Helan Xu**, Shaobo Cai, Lan Xu, and Yiqi Yang. "Water-stable three-dimensional ultrafine fibrous scaffolds from keratin for cartilage tissue engineering." **Langmuir** 30, 28 (2014): 8461-8470. (2 区 Top, IF = 3.789)
9. **Helan Xu**, and Yiqi Yang. "Controlled de-cross-linking and disentanglement of feather keratin for fiber preparation via a novel process." **ACS Sustainable Chemistry & Engineering** 2, 6 (2014): 1404-1410. (2 区 Top, IF = 6.140)