

## 李蓉博士

### 1. 个人简介



李蓉，副教授，硕士研究生导师，2010 年博士毕业于华东理工大学物理化学专业，2015 年晋升为副教授。

主要研究方向为纺织品的功能整理，涉及表面活性剂的合成及性能、功能整理剂的合成及其在纺织品中的应用研究。主持江苏省自然科学基金、江苏省产学研项目、江南大学自主科研重点项目、生态教育部

重点实验室开放课题等 5 项，参与纺织印染企业横向项目 4 项。在 Langmuir、Journal of industrial and engineering chemistry、Carbohydrate Polymers 等国际权威学术期刊上发表 SCI 论文 20 余篇，申请国家发明专利 4 项，授权国家发明专利一项。在教学方面，曾获得 2013 年度优秀本科毕业论文指导老师，目前主讲《纺织品贸易实务》、《普通化学》、《环保概论》等课程。

### 2. 研究生教育

#### (1) 硕士生

**学术型研究生招生专业：**

##### ① 纺织化学与染整工程

研究方向：染整助剂的合成与性能研究、纺织材料功能改性、印染废水处理

**专业学位研究生招生专业：**

##### ① 纺织工程

研究方向：功能纺织品的制备及应用

### 3. 联系方式

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### 4. 代表性成果

- ✚ **Rong Li, Bingqing Lv, Jing Li, Xiaoli Chen, Shulan Yan, Xuexiang Shao, Xuehong Ren, Jie Liang.** Multi-functional Properties of Cotton Fabrics Treated with UV Absorber and N-halamine, **Fibers and Polymers**, 2015, 16(9): 1876-1881

- ✚ **Rong Li**, Qianyuan Jiang, Xuehong Ren, Zhiwei Xie, Tung-Shi Huang. Electrospun non-leaching biocompatible antimicrobial cellulose acetate nanofibrous mats, **Journal of industrial and engineering chemistry**, 2015, 27: 315-321
- ✚ **Rong Li**, Jianfeng Dou, Qianyuan Jiang, Jing Li, Zhiwei Xie, Jie Liang, Xuehong Ren. Preparation and antimicrobial activity of  $\beta$ -cyclodextrin derivative copolymers/cellulose acetate nanofibers, **Chemical Engineering Journal**, 2014, 248: 264-272
- ✚ **Rong Li**, Mingming Sun, Zhiming Jiang, Xuehong Ren, T.S. Huang. N-Halamine-bonded Cotton Fabric with Antimicrobial and Easy-care Properties, **Fibers and Polymers**, 2014, 15(2): 234-240
- ✚ **Rong Li**, Pei Hu, Xuehong Ren, S.D. Worley, T.S. Huang. Antimicrobial N-halamine modified chitosan films, **Carbohydrate Polymers**, 2013, 92, 534– 539
- ✚ **Rong Li**, Qibin Chen, Honglai Liu, Ying Hu. Influence of Spacer of Gemini on the Interactions between Cationic Gemini Surfactant and Stearic Acid in Mixed Monolayers, , **Langmuir**, 2010, 26(12): 9342-9350
- ✚ **Rong Li**, Qibin Chen, Dazhi Zhang, Honglai Liu, Ying Hu. Mixed monolayers of Gemini surfactants and stearic acid at the air/water interface, **Journal of Colloid and Interface Science**, 2008, 327(1): 162-168
- ✚ Li Zhou, Zongsheng Liang, **Rong Li**, Dan Huang, Xuehong Ren. Flame-retardant treatment of cotton fabric with organophosphorus derivative containing nitrogen and silicon. **Journal of Thermal Analysis and Calorimetry**, 2017, 128(2): 653–660
- ✚ Xiaoli Cheng, **Rong Li**, Xiaolin Li, Malik Muhammad Umair, Xuehong Ren, T. S. Huang, Preparation and characterization of antimicrobial cotton fabrics via N-halamine chitosan derivative/poly(2-acrylamide-2-methylpropane sulfonic acid sodium salt) self-assembled composite films. **Journal of Industrial Textiles**, 2016, 46(4): 1039-1052
- ✚ Lili Zhen, Dan Huang, **Rong Li**. Ultrasonic–microwave synthesis of polyoxyethylenated stearyl ether maleic acid diester gemini surfactants, **Res Chem Intermed.** 2015, 41: 9773–9783
- ✚ Xiaoli Cheng, **Rong Li**, Jinmei Du, Junfeng Sheng, Kaikai Ma, Xuehong Ren, Tung-Shi Huang. Antimicrobial activity of hydrophobic cotton coated with N-halamine **Polymers for Advanced Technologies**, 2015, 26(1): 99-103
- ✚ Ying Liu, Kaikai Ma, **Rong Li**, Xuehong Ren, T. S. Huang. Antibacterial cotton treated with N-halamine and quaternary ammonium salt, **Cellulose**, 2013, 20(6): 3123-3130
- ✚ Jing Li, **Rong Li**, Jinmei Du, Xuehong Ren, S. D. Worley, T. S. Huang. Improved UV stability of antibacterial coatings with N-halamine/TiO<sub>2</sub>. **Cellulose**, 2013, 20(4): 2151-2161