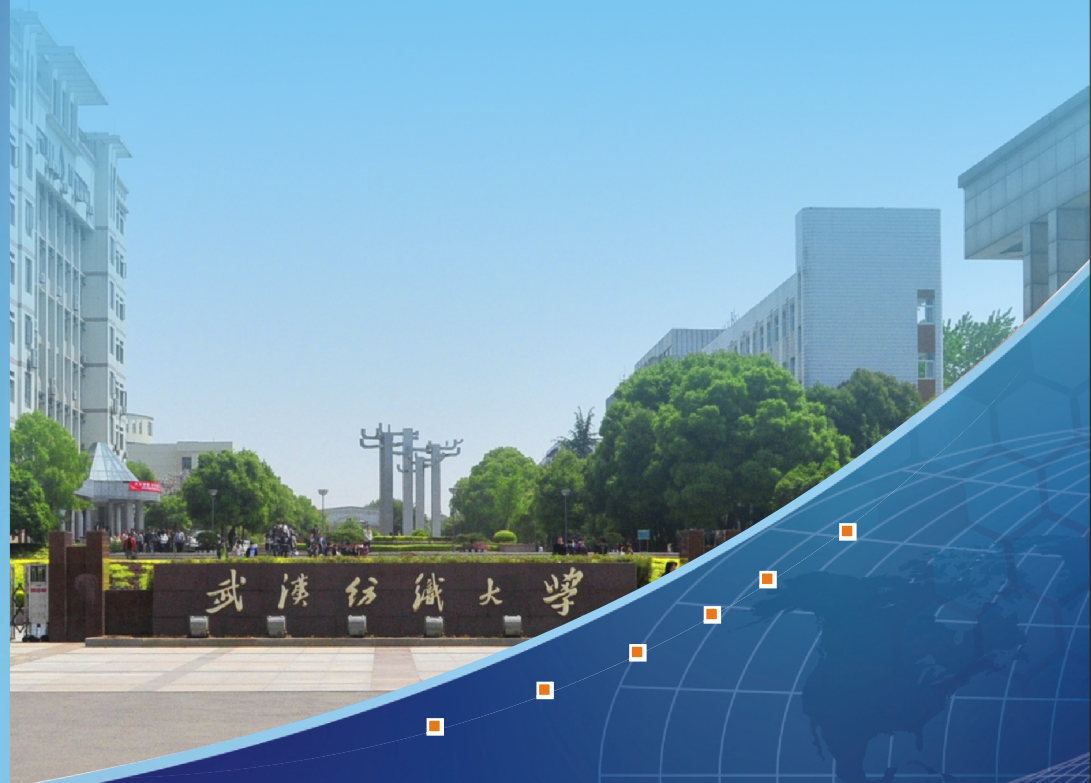


学院网址: <http://ec.wtu.edu.cn>



武汉纺织大学
WUHAN TEXTILE UNIVERSITY



地址: 武汉市江夏区阳光大道1号

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武汉纺织大学化学与化工学院

College of Chemistry and Chemical Engineering
Wuhan Textile University



学院简介

College Profile

武汉纺织大学化学与化工学院创建于1984年（纺织化学系），是我校最早培养本科生和研究生的院系之一。学院下设染整工程系、化工系、资源与应用化学系、大学化学教学中心、实验教学中心；开办了四个本科专业：轻化工程、化学工程与工艺、应用化学、再生资源科学与技术。其中，轻化工程（纺织化学与染整工程方向）为国家特色专业和湖北省品牌专业，2011年入选教育部“卓越工程师”人才培养计划和湖北省战略性新兴产业（支柱）产业人才培养计划。设有化学一级硕士点，纺织化学与染整工程、物理化学、有机化学二级硕士点和纺织工程领域（染整方向）工程硕士点，其中，纺织化学与染整工程为省级重点学科。学院建有“纺织新材料与先进加工技术”国家重点实验室培育基地、“新型纺织材料绿色加工及其功能化”教育部重点实验室、生态染整与功能纺织品重点实验室、再生资源研究所等研究平台和纺织印染省级实验教学示范中心。学院有一支以中青年骨干教师为主体，人员年龄、职称和知识结构合理的师资队伍。现有教职工69人，教授13人，副教授16人，其中湖北省“百人计划”2人，“楚天学者”特聘教授1人、武汉纺织大学“阳光学者”特聘教授6人。在校本科生1257人，硕士研究生59人。

2002年开始，学院与英国 Leeds 大学开展了“2+2”和“3+1”的国际合作办学，为有志于到世界名校深造的学子提供了新的渠道。经过多年的建设和发展，已形成研究生教育、本科生教育和国际合作办学的完善体系。学院注重学生工程实践能力和创新能力培养，创立了“润禾”大学生科技创新园区，建立了21家校外实践教学基地，每年企业设立的奖学金20多万元。政府和企业奖学金的获奖学生人数覆盖面达到65%以上。



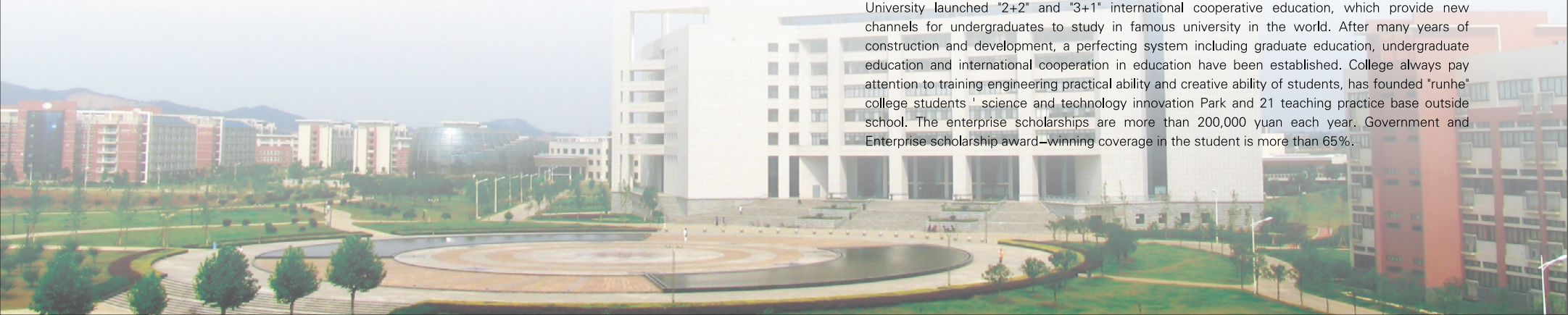
College Profile

College of chemistry and chemical engineering (CCCE) was founded in 1984, is one of the earliest colleges to cultivate undergraduates and postgraduates. CCCE is composed of four faculties and one experimental center, offering 4 bachelor's programs: light chemical engineering, chemical engineering and technology, applied Chemistry, renewable resource science and technology. Among of them, light chemical engineering speciality is the state-level characteristic speciality and provincial brand speciality, and has been enrolled in National excellent Engineers Plan and Hubei Province Emerging (Pillar) Industry Personnel Training Plan in 2011. CCCE has presently chemistry first-level master program and physical chemistry, organic chemistry, textile chemistry and dyeing & finishing engineering second-level master programs. Textile chemistry and dyeing & finishing discipline is the provincial key disciplines.

College has constructed 'State Key Laboratory of New Textile materials and Advanced Processing Technology', 'New Textile Materials Clean Processing Key Laboratory of the Ministry of Education', 'Research Centre of Clean Production of Textile Printing of the Ministry of Education', 'Key Laboratory of Ecological Dyeing & Finishing and Functional Textiles', 'Renewable Resource Institute' research platform and 'Textile Printing Teaching Experiment Centre'.

CCCE has established a well-structured, high-quality teaching staff. There are 69 staffs, among of them, 13 professor, 16 associate professor, 2 "Hundred Talents Program of Hubei Province", 1 "Chutian Scholar" in Hubei, 6 "Sunny Scholar" of WTU. There are 1257 undergraduate and 59 postgraduates.

CCCE pays attention to academic exchanges and cooperation. Since 2002, College and Leeds University launched "2+2" and "3+1" international cooperative education, which provide new channels for undergraduates to study in famous university in the world. After many years of construction and development, a perfecting system including graduate education, undergraduate education and international cooperation in education have been established. College always pay attention to training engineering practical ability and creative ability of students, has founded "runhe" college students' science and technology innovation Park and 21 teaching practice base outside school. The enterprise scholarships are more than 200,000 yuan each year. Government and Enterprise scholarship award-winning coverage in the student is more than 65%.





学科专业

Disciplines and Specialities

学科: Disciplines

■ 省级重点学科

Provincial key discipline

纺织化学与染整工程

Textile Chemistry and Dyeing & Finishing Engineering

硕士学位授权学科

The disciplines that award master degrees

■ 硕士学位授权一级学科

The 1st Level Disciplines That Award Master Degrees:
化学 Chemistry

■ 硕士学位授权二级学科

The 2nd Level Disciplines That Award Master Degrees
纺织化学与染整工程
Textile Chemistry and Dyeing & Finishing Engineering
物理化学 Physical Chemistry
有机化学 Organic Chemistry



Disciplines and Specialities

■ 工程硕士

Master in Engineering

纺织工程领域(染整方向)工程硕士点

Textile Engineering Area (dyeing & finishing direction)

本科专业: Specialities

■ 轻化工程 Light Chemical Engineering

本专业培养方向为染整工程,专业教学着重于染整工程的基本理论和基本技能,注重清洁生产,功能纺织品开发,染整新技术和助剂的研究及应用。

The speciality direction focuses on the basic theory and skills of dyeing and finishing engineering. Courses focus on cleaner production, development of functional textile, research and application of dyeing & finishing new technology and auxiliaries.

■ 应用化学 Applied Chemistry

本专业培养学生具有应用化学相关基础知识和实验技能,培养方向侧重于精细化工配方设计与解析。毕业生能够在化工助剂、日用化工、化妆品、石油化工、精细化学等领域从事与配方设计与解析的科技开发与技术服务工作。

This speciality trains students with basic chemistry knowledge and experimental skills. The training direction focuses on fine chemical formula design and analysis. Graduates will work on the following fields: chemical additives, petrochemical industry, cosmetics, fine chemicals.





■ 化学工程与工艺 Chemical Engineering and Technology

该专业培养方向主要侧重于精细化工，专业教学着重于化工工艺、化学助剂的合成及应用、染整工艺及染整助剂的开发应用等理论与实践教学。

The training direction is focused on the fine chemicals. Professional teaching focuses on the chemical technology, synthesis and application of chemical additives, research and development of dyeing & finishing auxiliaries.

■ 再生资源科学与技术 Renewable Resource Science and Technology

本专业以化学、材料学、化工为基础支柱构筑专业平台，以“废弃高分子材料资源再生”专业特色，注重学生基本知识和工程能力的培养。

This speciality is based on chemistry, materials science and chemical engineering. The speciality feature is "reuse of polymer materials" Training process is focusing on cultivation of students' basic knowledge and engineering skill.

◆ 国家特色专业 State-level Characteristic Speciality

轻化工程 Light Chemical Engineering

◆ 湖北省品牌专业 Provincial Brand Speciality

轻化工程 Light Chemical Engineering

培养模式

Cultivate modes

■ 研究生：学术型硕士、专业型硕士、工程硕士

Postgraduate: academic master, professional master, Master of science in engineering

■ 本科生：普通本科班，卓越工程师试点班、新兴支柱产业人才培养试点班

Undergraduate: normal undergraduate class, the experimental class of excellent engineer, the experimental class of Hubei Province Emerging (Pillar) Industry Personnel Training Plan

■ 国际合作办学：武汉纺织大学-英国利兹大学联合培养“2+2”、“3+1”模式

International cooperative education: WTU-Leeds cooperative education "2+2" and "3+1" modes.

师资队伍

Faculties

现有专职教师46人，其中，教授13人，副教授16人，大部分教师具有博士学位和国外留学和工作经历，部分教师在国内外学术界有一定影响，包括湖北省“百人计划”2人，“楚天学者”特聘教授1人、武汉纺织大学“阳光学者”特聘教授6人。

College has presently 46 full-time teachers, including 13 professors, 16 associate professors. Most of the teachers have a doctorate degree and studied or work abroad, some of them are famous in the academic community. CCCE has established a high-quality teaching staff, 2 "Hundred Talents Program of Hubei Province", 1 "Chutian Scholar" in Hubei and 6 "Sunny Scholar" of WTU.

强大的师资队伍



湖北省百人计划

Hundred Talents Program
of Hubei Province



菲利克斯·尤里耶维奇·杰烈京
Prof. Felix Y. Telegin



安娜·弗拉基米拉夫娜·切诗郭娃
Prof. Anna V. cheshkova

武汉纺织大学阳光学者 “Sunny Scholar” in WTU



叶正涛
Prof. Ye Zhengtao



张汉民
Prof. Zhang Hanming

湖北省楚天学者

“Chutian Scholar” in Hubei



朱平 教授
Prof. Zhu Ping



陈芬儿
Prof. Cheng Fener



何池洋
Prof. He Chiyang



教授

Professor

强大的师资队伍



杨锋
Prof. Yang Feng



夏明桂
Prof. Xia Minggui



陆必泰
Prof. Lu Bitai



刘慧宏
Prof. Liu Huihong



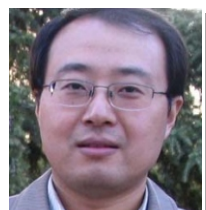
余宪虎
Prof. Yu Xianhu



吕少仿
Prof. Lv Shaofang



王成国
Prof. Wang Chenguo



权衡
Prof. Quanhen



李素悦
Prof. Li Suyue



李海燕
Prof. Li Haiyan



王强
Prof. Wang Qiang



李伟
Prof. Li Wei

研究平台及研究方向

Research Platform and Research Direction

◆国家重点实验室 State key laboratory

纺织新材料与先进加工技术国家重点实验培育基地

Cultivating base of State Key Laboratory of New Textile materials and Advanced Processing Technology

◆教育部重点实验室 Key Laboratories (Centres) of the Minister of Education

新型纺织材料绿色加工及其工程化教育部重点实验室

New Textile Materials Clean Processing Key Laboratory of the Ministry of Education

纺织印染清洁生产教育部工程研究中心

Research Centre of Clean Production of Textile Printing of the Ministry of Education

◆校级重点实验室 School Key Laboratories

生态染整及功能纺织品重点实验室

Key Laboratory of Ecological Dyeing & Finishing and Functional Textiles Resource再生研究所

Renewable Resource Institute

◆研究方向 Research Direction

- (1) 生物质纤维及功能纺织品
Biopolymer Fiber and Functional Textiles
- (2) 生态染整理论及工艺
Ecological Dyeing & Finishing Theory and Technology
- (3) 生态染整助剂制备与应用
Ecological Dyeing & Finishing Auxiliaries
- (4) 纺织废弃物再生与利用
Textile Waste Recycling and Utilization
- (5) 环境污染物的资源化利用
Resource Utilization of Environmental Pollutants
- (6) 能源的循环利用
Energy Recycling
- (6) 新型检测方法的研究与开发
Research and Development of Novel Detection Method



代表性研究成果

Representative Research Achievements

学院承担的部分国家级项目

Part of state-level programs undertaken by CCCE

| 序号 | 项目名称 | 项目类别 | 负责人 |
|----|---|---------------|-----|
| 1 | 海藻酸(钠)/生物纤维素复合材料的流变性及成形工艺研究 | 国家自然科学基金 | 朱平 |
| 2 | 天然多糖-蛋白质(半)互穿网络复合功能纤维的结构设计 | 国家自然科学基金 | 朱平 |
| 3 | 空间桥联的吡咯-2-亚甲基-schiff碱自组装体的合成及理论研究 | 国家自然科学基金 | 李伟 |
| 4 | 离子液体中的基于血液相容性蚕素质的化学改性 | 国家自然科学基金 | 刘秀英 |
| 5 | 基于亚胺-酰胺(CNNC)骨架的schiff碱功能性配合物的设计、合成与尿酶作用的机理研究 | 国家自然科学基金 | 李玉广 |
| 6 | 有机染料-层状氧化物插层复合材料的制备及光电化学性能研究 | 国家自然科学基金 | 靳艾平 |
| 7 | 微波增强催化醇解废旧涤纶纤维及其资源化再利用研究 | 教育部科学技术研究重点项目 | 李明 |
| 8 | 植物灭螺剂“螺威”在长江血吸虫疫区技术转化与示范应用 | 科技部农转基金 | 刘瑞华 |

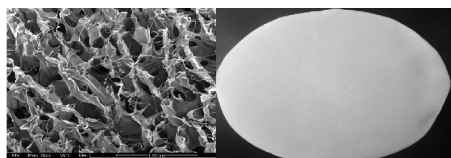
学院部分获奖科技成果

A list of awarded scientific achievements

| 序号 | 成果名称 | 完成人 | 奖励名称 |
|----|---------------------|-----|------------------|
| 1 | 润滑油基础油脱氮精制成套技术及其应用 | 夏明桂 | 国家技术发明二等奖 |
| 2 | 纳米纤维材料及纳米功能纺织品开发 | 朱平 | 山东省科技一进步奖 |
| 3 | 环境友好阻燃、免烫及卫生整理纺织品 | 朱平 | 山东省科技二进步奖 |
| 4 | 环境友好阻燃、免烫及卫生整理纺织品开发 | 朱平 | 湖北省科技进步二等奖 |
| 5 | 结晶交联型聚氨酯织物防水透湿整理剂 | 权衡 | 中国纺织工业协会科技进步奖三等奖 |



“细菌纤维素及多糖复合功能纤维”鉴定会
Bacterial cellulose and Polysaccharide complex functional fibers appraisal meeting



生物质发泡海绵材料
Bio-foam sponge materials

学生工作

Student work

“润禾计划”大学生课外科技创新团队

“Runhe Program” College students' extracurricular technological innovation team

学院联合宁波润禾化工工业有限公司成立“润禾计划”大学生课外科技创新团队，为学生参与专业竞赛、课题研究、培养创新精神搭建平台。近年来，团队学生公开发表论文14篇，其中SCI收录6篇，获湖北省大学生优秀科技成果、挑战杯、化学技能大赛、大学生英语竞赛等各类国家级、省级竞赛40余项。

College of Chemical Engineering has co-founded the “Runhe Program” with Ningbo Runhe chemical industry co., Ltd, in order to build platforms for students to participate in professional competition, do subject research and cultivate the spirit of innovation. In recent years, students of the innovation team have published 14 papers, among which 6 papers are included in SCI. They have won more 40 awards in many kinds of national and provincial competition, for example, the College students' outstanding scientific and technological achievements in hubei province, the Challenge Cup, the Chemical skills contest and the National English contest for college students.



学生论文发表
papers published by undergraduates



创新团队年度汇报
Innovation team annual report



校外实践教学基地和企业奖助学金

Practical teaching base outside school and enterprise grants

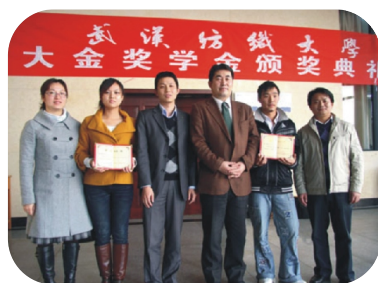
学院结合轻化工程专业“卓越工程师计划”和“湖北省新兴（支柱）产业人才培养计划”的实施，加强与相关企业、公司的交流与合作，设立了众多的校外实践教学基地和企业奖助学金，已设立的主要校外实践教学基地和部分企业奖、助学金如下：

In accord with the implementation of the “excellent engineers plan” and the “Hubei province emerging (pillar) industry personnel training plan”, CCCE strengthens exchanges and cooperation with enterprises and companies, and also sets up a large number of practical teaching bases and enterprise grants. The main founded practical teaching base outside school and enterprise grants are as follow:

| 企业奖助学金 | 校外实践教学基地 | |
|---------|--------------|---------------|
| 华大奖学金 | “富联化工”实践教学基地 | “富联化工”研发中心 |
| 北丰奖学金 | “深圳中冠”实践教学基地 | “广东德润”实践教学基地 |
| 德美奖学金 | “精英纺织”实践教学基地 | “恒丰泰”实践教学基地 |
| 润禾奖学金 | “汉邦实业”实践教学基地 | “明洋纺织”实践教学基地 |
| 大金奖学金 | “东方印染”实践教学基地 | “浙江润通”实践教学基地 |
| 旭荣奖学金 | “湖北宜化”实践教学基地 | “襄樊新四五”实践教学基地 |
| 纺织之光奖学金 | “宁波润禾”实践教学基地 | “大金”实践教学基地 |
| 嘉宏助学金 | “嘉宏助剂”实践教学基地 | “仕春”实践教学基地 |
| 富庄活动费 | “祥龙”实践教学基地 | “润禾”研究生实践教学基地 |



校企合作签约仪式
The school-enterprise cooperation signing ceremony



企业奖学金颁奖典礼
Enterprise scholarship awards presentation ceremony

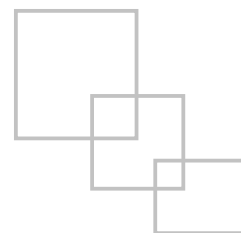
企业文化进校园

Enterprise culture into the campus

学院为深化校企合作的内涵，不断探索和创新合作模式，在学生工作方面将校园文化与企业文化有机融合，打造了极具特色的校企合作双赢模式，取得了良好的效果。

In order to strengthen the implementation of school-enterprise cooperation, CCCE has been exploring and innovating cooperation mode. By combing campus culture and enterprise culture appropriately, it creates the extremely unique school-enterprise cooperation win-win pattern, and has achieved good results.

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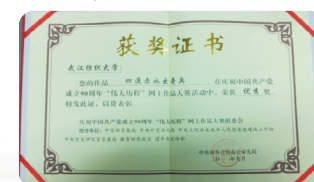
企业风文化节
Enterprise wind culture festival



浩宏星光合唱团
The Haohong Star chorus



企业风文化节颁奖典礼
The award presentation ceremony of enterprise culture festival



学生活动获奖
Students' activities

