Yanying Xiang

xiangyy19@gmail.com | Wenzhou, China

EDUCATION

Imperial College London, London, the United Kingdom — September 2019-September 2020
MSc in Environmental Engineering — Merit

Lanzhou University (LZU), Lanzhou, China — September 2015-June 2019
BSc in Environmental Engineering — GPA 4.7/5.0

WORK EXPERIENCE

Zhejiang Zhonglan Environmental Technology Co, Ltd, Wenzhou, China — June 2020-March 2022
Assistant Engineer and Consultant (Full-time and internship)

- Mainly in charge of consulting projects regarding ecological protection, climate change and sustainability
- Responsibility covers RMB 2million+ projects in 2021, the second most in the department
- Received Outstanding Newcomer and Outstanding Staff Award; acted as the first project leader among the novice

WORK SELECTED PROJECTS

Wenzhou Industry and Energy Group peak carbon dioxide emissions Plan — September 2021-January 2022

- Accounted for historical corporate carbon emissions and forecasted future carbon emissions
- Proposed a carbon peak path strategy covering business transformations and consumption restructuring for them

Wastewater Treatment Plant Water Reuse Project (Feasibility Study Report) — July 2021-November 2021

- Provided 2 water reuse options for the short and long term target to achieve the sustainability goal for the Sewage Treatment Plant
- Analyzed the feasibility of the proposal from multiple perspectives including the environment, ecology, risk, technology, and engineering investment

Balance Sheets of Natural Resources for Linan — September 2020-March 2021

- Established a unified management system for natural resources to support the decision-making of governments
- Built up a visualized dashboard to represent the correlated data in an intuitive way, reducing yearly accounting time from two weeks to half an hour through computer code

RESEARCH EXPERIENCE

Analysis of China National Sword Policy — May 2020-September 2020
Master Thesis, Imperial College London

- Conducted an in-depth review of the background information regarding the policy's promotion
- Explored the economical and environmental benefits regarding recyclable metals within Chinese manufacturing industries, including the access to imported scrap, reuse methods and assessment criteria
- Developed a data-based analysis about the effect of the "foreign waste" ban

Photocatalytic Degradation of Azo Dyes Using Magnetic γ-Fe_2O_3/Ag_3PO_4 — December 2017-December 2018
National Undergraduate Innovation and Entrepreneurship Training Program

- Prepared catalysts by hydrothermal synthesis, modified proportions of ingredients to achieve optimized degradation efficiency and applied 4 characterization techniques to measure the characterization of the hybrids
- Referred to literature, developed and adjusted experimental schemes, and completed the report

Study on Visible-light-induced Degradation of TBBPA in Water By Ag_3PO_4/GO — March 2016-November 2016
Lanzhou University Undergraduate Innovation and Entrepreneurship Training Program

- Planned and led experiments based on references to produce Ag_3PO_4/GO, and finished the research report
- Published in **Journal of Hazardous Materials** (IF = 14.224)

AWARDS

- National Scholarship, Ministry of Education of the People's Republic of China — 2016 - 2017
- Outstanding Graduates, Lanzhou University — June 2019
- Outstanding Undergraduate Thesis, Lanzhou University — June 2019

EXTRACURRICULAR ACTIVITIES

Minister at College Communication Department, Lanzhou, China — September 2016-September 2017

- Communicated with others and raised funds for college events, approx. 8,000 RMB in total

Volunteer Teacher, Chiangmai, Thailand — January 2017

- Taught basic Chinese and English to 40 local children and organized after-school activities

SKILLS

- Language: Native in Chinese and Fluent in English
- Programming: MATLAB, C and LaTeX