

E-Mail: [REDACTED]@gmail.com Tel: +86 [REDACTED]

EDUCATION BACKGROUND

[REDACTED], China

2019.9 – 2023.6

Bachelor of Environmental Science and Engineering

GPA: 88.2/100 (ranked 1/47)

Core Courses: *Environmental Chemistry; Organic Chemistry; Inorganic Chemistry; Environmental Ecology; Environmental Monitoring; Landscape Ecology; Environmental Ecology Engineering; Environmental Engineering; Environmental Soil Science; Environmental Biology; Environmental Microbiology.*

Honors:

The First Prize, Social Practice and Science Contest on Energy Saving & Emission Reduction [REDACTED] 2022.10

The First Prize Academic Scholarship for Academic Excellence in the 20-21 academic year, top 1% [REDACTED] 2022.6

The Second Prize Academic Scholarship for Academic Excellence in the 19-20 academic year, top 5% [REDACTED] 2021.4

The Second Prize, Mathematic Modelling Contest [REDACTED] 2020.6

RESEARCH EXPERIENCE

Photodegradation kinetics, products and mechanisms of four antiviral drugs in water, [REDACTED], China 2021.1 – 2022.3

Research Assistant

- ✓ Developed high-performance liquid chromatography (HPLC) methods of four antiviral drugs.
- ✓ Investigated the direct and indirect photodegradation kinetics of four antiviral drugs in ultra-pure water by irradiated under simulated sunlight, including their half-lives ($t_{1/2}$), rate constants (k), and quantum yields (Φ).

PUBLICATIONS

Published in Chinese.

ACADEMIC PROJECTS

Optimization for Preparing Reducing Sugar by Acid Hydrolysis of Peanut Shells, group leader 2022.10

Comprehensive Experiments

- ✓ Applied single-factor optimization method to determine the optimal acid type, number of peanut shell powders, acid concentration, solid-liquid ratio, hydrolysis time and hydrolysis temperature to achieve the optimal hydrolysis rate.
- ✓ Detected the form of peanut shell powder during hydrolysis, measured the content of reducing sugars in the hydrolysis solution, and calculated the degradation rate.

Detection of Water Quality of Lake and Soil Fertility of Greenland in Campus, [REDACTED], group leader 2021.7

Course Project of Environmental Monitoring

- ✓ Investigated the physical properties of water, including pH, temperature, and turbidity, and selected corresponding methods from national standards to analyze the chemical properties of water, including $\text{NH}_3\text{-N}$, COD, and TN.
- ✓ Collected soil samples from 4 sites and selected corresponding methods from national standards to analyze pH, dry matter and moisture, available phosphorus, and TP.
- ✓ Evaluated water quality and soil fertility based on the results.

SKILLS & INTEREST

Language: IELTS (Overall: 7, Reading: 7.5, Listening: 7.5, Writing: 6.0, Speaking: 6.0)

Skills: Python (proficient), Matlab (moderate)

Interest: Tennis [REDACTED] Piano, Produce Music