

PROFILE

I am a diligent chemistry student with strong academic achievements and leadership skills as Grade Leader at Zhengzhou University. I have won several scholarships and achieved notable results in competitions, including a second prize in the Henan Province Mathematics Contest and an IELTS score of 6.5.

I have led undergraduate research projects, demonstrating strong time management and data analysis skills using software like Origin, Gaussian. I am highly motivated, goal-oriented, and eager to contribute further to the field of chemistry.

EDUCATION

Zhengzhou University | Chemistry (Bachelor)

SEP 2021 - JUL 2025

Major: Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Analytical Chemistry, Structural Chemistry and related experimental courses, advanced mathematics, university physics and other mathematical foundation courses, as well as elective courses in Energy Chemistry, Polymer Chemistry, Applied Catalysis, Computational Chemistry and other directions.

EXPERIENCE

Project | Preparation of the easily recyclable catalyst $\text{Fe}_3\text{O}_4/\text{MoO}_3\text{-Ag}_3\text{PO}_4$ and study on its photothermal synergistic performance in pollutant removal

MAY 2024 - Present

- Responsible for the program.
- Responsible for the synthesis and preparation of Ag_3PO_4 , summarizing and organizing literature related to Ag_3PO_4 , and conducting photodegradation tests on the resulting composite.

Project | Convenient Preparation and Adsorption Photolithography of $\text{g-C}_3\text{N}_4\text{-MoO}_3\text{-WO}_3$ Research on the Performance of Catalytic Synergistic Removal of Pollutants

MAY 2023 - MAY 2024

- Responsible for the program.
- Responsible for $\text{g-C}_3\text{N}_4$, WO_3 , preparation of $\text{g-C}_3\text{N}_4/\text{WO}_3$ binary composite catalysts with different doping ratios, testing of their photocatalytic pollutant removal performance, analysis and optimization of catalyst performance, characterization and performance testing of catalysts.
- Writing project materials, responsible for project defense and overall planning.

Special Skills

Professional Skills:

- Familiar with basic chemical experimental operations.
- Have instrument analysis skills in some aspects, proficient in using UV visible spectrophotometers for qualitative and quantitative analysis of substances.
- Have certain analytical ability for IR, NMR and MS.
- Familiar with laboratory safety regulations.
- Familiar with the use of some software, such as Origin, Gaussian.

Language Proficiency:

- Excellent reading and writing ability, good listening and speaking ability.
- IELTS 6.5 points, passing the CET-4 and CET-6 exams.
- Chinese (fluent in Mandarin), German (a little).

Awards

(Provincial) Second Prize in the National College Student Mathematics Competition

Oct 2023

(Provincial) The second prize in the 17th ICAN Innovation Contest (HENAN)

Dec 2023

(School level) Zhengzhou University Excellent Scholarship

Dec 2023

(School level) Zhengzhou University Excellent Scholarship

Oct 2022

(School level) Excellent Student Leader of Zhengzhou University

Feb 2023

(School level) Exemplary individual in Social Service

Dec 2023