

# Chunhong Xiao

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## PERSONAL PROFILE

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- Master of Environmental Science in Tongji University, Shanghai, P.R. China
- Long-term participation in environmental monitoring research
- More than one percent of inspiration and ninety-nine percent of sweat
- Practical experience + Interdisciplinary knowledge reserve + Superb learning and adaptability

## EDUCATION

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- 09/2020 – present     ***Tongji University of Environmental Science and Engineering, Shanghai, P.R. China***  
*Master of Environmental Science, expected to graduate in June 2023*
- Relevant Courses: Advances in Environmental Chemistry, Numerical Simulation of Flow and Transfer Process, Data Processing and Experiment Design, Environmental System and Sustainable Development, Frontiers in Environmental Science and Engineering, Regional Water Pollution System Planning
  - Thesis: Study on rapid detection methods of carbamate pesticide residues in environmental water
  - Cumulative GPA 4.54/5, Average Degree Course Score 91.2/100
- 09/2015 – 07/2019     ***Huaibei Normal University of Life Science, Huaibei, P.R. China***  
*Bachelor of Environmental Science*
- Relevant Courses: Air Pollution Control Engineering, Inorganic and Analytical Chemistry, Organic Chemistry, Advanced Mathematics, Linear Algebra, College Physics
  - Thesis: Environmental benefits of substrate improvement measures on hard substrate
  - Cumulative GPA 3.81/4, ranking top 1 (A total of 78 students)

## RESEARCH EXPERIENCE

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- 10/2021 – present     ***Tongji University of Environmental Science and Engineering, Shanghai, P.R. China***
- Supervisor: Professor Hong-Wen Gao
  - Rapid detection methods of carbamate pesticide residues in environmental water
  - Under alkaline and heating conditions, carbamate pesticides decompose, and their decomposition products react with sodium hypochlorite to form blue compounds in the presence of starch, thereby quantifying the total amount of commonly used carbamate pesticides in environmental water.
  - Methods: liquid-liquid extraction, evaporation, alkaline hydrolysis, color reaction
  - Skills: experimental skills, research skills, information processing capability, strong psychological ability to bear pressure
- 09/2020 – 09/2021     ***Tongji University of Environmental Science and Engineering, Shanghai, P.R. China***
- Supervisor: Professor Ying Liu

- Occurrence characteristics of polycyclic aromatic hydrocarbons in multi-media (air, water, sediment pore water) of Taihu Lake (first-phase preparations)
- Methods: passive sampling, treatment of polyethylene film, design of sampler
- Skills: experimental skills, GC-MS data processing

## **PUBLICATIONS**

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Submitted                      A systematic review and meta-analysis of pollutants in environmental media

## **Internship Experience**

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2018                              Huaibei sewage treatment plant: sewage treatment plant treatment facilities, process of sewage treatment

05/2017                        Characteristics of vegetation and geographical environment in Fuxi Village of Huangshan City were investigated

## **LANGUAGE & ADDITIONAL SKILLS**

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Language: English- listening, speaking, reading, writing

Hard skills: Origin, VOSviewer, experimental skills, research skills, data processing capability, observational ability

Soft skills: communication ability, ability to listen to others, teamwork, innovative consciousness, perseverance

## **AWARDS & PRIZES**

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2018                              National Encouragement Scholarship

2018                              First Prize for Band C in National English Competition for College Students

2016                              National Encouragement Scholarship

2017                              First Class People's Scholarship

2016                              First Prize for Band C in National English Competition for College Students