

Shangxiao Qiao, Ph.D.

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Employment History

- 2022 – 2023 **Industrial Water Treatment Design Engineer**, Xi'an Thermal Power Research Institute Co.,Ltd.
- 2020 – 2022 **Building Drainage Design Engineer**, China United Northwest Institute for Engineering Design & Research Co., Ltd.

Education

- 2023 – . . . **Ph.D. Environmental Science and Engineering, Xi'an University of Technology.**
Thesis title: *Kinetic Characteristics of Gas-Liquid-Solid Three-Phase Turbulence and Oxygen Mass Transfer in Microbubble Aeration Oxidation Ditch.*
- 2017 – 2020 **MA.Sc. Municipal Engineering, Xi'an University of Technology.**
Thesis title: *Modular Constructed Wetland and Preliminary Pilot Scale Trial on Sewage Treatment.*
- 2013 – 2017 **B.S. Water Supply and Drainage Science and Engineering, Xi'an University of Technology.**
Thesis title: *Process Design of Chibi City East Wastewater Treatment Plant.*

Research Publications

Journal Articles

- 1 Y. Liu, **S. Qiao**, and D. Li, "Computational fluid dynamics for the influence of cross-sectional configuration on the hydraulic characteristics in an oxidation ditch," *Desalination and Water Treatment*, vol. 319, p. 100 498, 2024, ISSN: 1944-3986. DOI: 10.1016/j.dwt.2024.100498.
- 2 B. Ji, Y. Zhao, J. Vymazal, **S. Qiao**, T. Wei, and Ü. Mander, "Can subsurface flow constructed wetlands be applied in cold climate regions? a review of the current knowledge," *Ecological Engineering*, vol. 157, p. 105 992, 2020, ISSN: 0925-8574. DOI: 10.1016/j.ecoleng.2020.105992.

Skills

- Languages Strong reading, writing competencies for English, Mandarin Chinese.
- CAD AutoCAD, Revit, Navisworks, Ruzor.
- CAE Fluent, Tecplot.
- Writing Word, Excel, PowerPoint, L^AT_EX.

Certification

- 2023 **Certified College English Test Band 6.** Awarded by the Ministry of Education of China.
- 2016 **Certified Level 2 Computer Programming in C Language.** Awarded by the Ministry of Education of China.