

# Yiming Liu

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Purdue University, 500 Central Dr, West Lafayette, IN 47907

## EDUCATION

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**Purdue University**, West Lafayette, IN

*Ph.D. in Environmental and Ecological Engineering, August 2021- August 2026 (Expected)*

**Peking University**, Beijing, China

*M.S. in Environmental Sciences, July 2021*

**Beijing University of Chemical Technology**, Beijing, China

*B.E. in Chemical Engineering, July 2018*

## PROFESSIONAL EXPERIENCE

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**Purdue University**, West Lafayette, IN, 2021-present

*Graduate Research Assistant, Environmental and Ecological Engineering*

**Peking University**, Beijing, China, 2018-2021

*Graduate Research Assistant, College of Environmental Sciences and Engineering*

**Beijing University of Chemical Technology**, Beijing, China, 2016-2017

*Undergraduate Researcher, College of Material Sciences and Engineering*

**BioHumaNetics (BHN)**, Shanghai, China, 2016

*Sales Intern*

**Suez Environment Co.**, Shanghai, China, 2015

*Laboratory Technician Intern*

## HONORS & AWARDS

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- Bilsland Dissertation Fellowship, Purdue University (2024)
- ISF Travel Grant, Purdue University (2024)
- PGSG Travel Grant, Purdue University (2024)
- First Place Poster Award, Graduate Industrial Research Symposium, Purdue University (2024)
- Second Place Oral Presentation Award, Graduate Industrial Research Symposium, Purdue University (2024)
- International Society for Industrial Ecology (ISIE) Scholarship, ISIE Student Chapter Board (2023)
- First Place Poster Award, Graduate Industrial Research Symposium, Purdue University (2023)
- First Place Oral Presentation Award, Graduate Industrial Research Symposium, Purdue University (2023)
- Ross Fellowship, Purdue University (2021)
- Merit Student, Peking University (2020)
- Special Scholarship, Peking University (2020)

- School Scholarship, Peking University (2019)
- Award of National Chemical Engineering Design Competition, Beijing University of Chemical Technology (2017)
- National Scholarship, Beijing University of Chemical Technology (2016)

## **PROFESSIONAL AFFILIATION & SERVICE**

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- ***Reviewer (Conferences)***  
International Symposium on Sustainable Systems and Technologies (ISSST 2024), Baltimore, MD, USA  
International Symposium on Sustainable Systems and Technologies (ISSST 2023), Fort Collins, CO, USA
- ***Membership***  
International Society for Industrial Ecology (ISIE), Student Member (2023-present)  
Chinese-American Professors in Environmental Engineering & Science (CAPEES), Student Member (2023-present)
- ***Moderator***  
Industrial Ecology Gordon Research Seminar (GRS 2024), Les Diablerets, Vaud, Switzerland
- ***Internal service***  
Purdue Graduate Student Government (PGSG), Senator (September 2024–present)

## **PUBLICATIONS**

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### Published papers

1. Zhong, H., Cheng, S., Li, X., **Liu, Y.**, Li, Z., Zhao, Z., Xue, A., (2022) “The Impacts of Villages on Flood Evolution in the Floodplain of Lower Yellow River”, *Yellow River*, 44(08):62-68. (*In Chinese*)
2. **Liu, Y.**, Jiang H., Li Z., (2021) “A Goal Optimization Method for Long-Distance Pipeline Transport of Sediments on the Yellow River Downstream”. [J]. *Yellow River*, 43(05): 30-34. (*In Chinese*)

### Under review

1. **Liu Y.**, Yin Z, Cai H. (2024) Enhanced Global Oil Spill Dataset from 1967 to 2023 Based on Text-form Incident Information, *Scientific Data*, submitted on 12th June 2024, under review.

### In Preparation

1. **Liu Y.**, Cai H. (2024) Evaluating environmental impacts of Oil Spill Response Actions from the Life Cycle Perspective, *under preparation to be submitted to Journal of Industrial Ecology*.

## **CONFERENCE PRESENTATIONS**

1. **Liu, Y.**, Cai, H. “Evaluating the environmental impacts of U.S. historical oil spill incidents” *Poster presentation*, Institute for a Sustainable Future (ISF) Fall 2024 Research Expo, Purdue University, IN, Oct 14.
2. **Liu, Y.**, Cai, H. “Evaluating the environmental impacts of historical oil spill incidents in North America from the life cycle perspective” *Oral presentation*, Industrial Ecology Gordon Research Conference (GRC 2024), Les Diablerets, Vaud, Switzerland, May 30
3. **Liu, Y.**, Cai, H. “Evaluating the environmental impacts of historical oil spill incidents in North America from the life cycle perspective” *Poster presentation*, Industrial Ecology Gordon Research Seminar (GRS 2024), Les Diablerets, Vaud, Switzerland, May 26
4. **Liu, Y.**, Cai, H. “Evaluating the environmental impacts of U.S. historical oil spill in North America” *Poster presentation*, 2024 Office of Interdisciplinary Graduate Programs’ Spring Reception, Purdue University, IN, May 1.
5. **Liu, Y.**, Cai, H. “Evaluating the environmental impacts of U.S. historical oil spill incidents” *Poster presentation*, 29th Environmental Engineering and Science Symposium & 2023-2024 AEESP Distinguished Lecture, University of Illinois Urbana-Champaign, IL, Mar 7.
6. **Liu, Y.**, Cai, H. “Evaluating the environmental impacts of U.S. historical oil spill incidents” *Poster presentation*, 11th Annual Graduate Industrial Research Symposium 2024, Purdue University, IN, Mar 7, (Received 1st Place Best Poster Award)
7. **Liu, Y.**, Cai, H. “Evaluating the environmental impacts of historical oil spill incidents in North America from the life cycle perspective” *Oral presentation*, 11th Annual Graduate Industrial Research Symposium 2024, Purdue University, IN, Mar 7, (Received 2nd Place Best Oral Presentation Award).
8. **Liu, Y.**, Cai, H. “Evaluating the environmental impacts of historical oil spill incidents in North America from the life cycle perspective” *Oral presentation*, 11th International Conference on Industrial Ecology (ISIE2023), Leiden, The Netherlands, July 2
9. **Liu, Y.**, Cai, H. “Evaluating the environmental impacts of U.S. historical oil spill incidents” *Poster presentation*, AEESP Distinguished Lecture, University of Notre Dame, IN, March 31.
10. **Liu, Y.**, Cai, H. “Evaluating the environmental impacts of U.S. historical oil spill incidents” *Poster presentation*, 10<sup>th</sup> Annual Graduate Industrial Research Symposium, Purdue University, IN, March 2, (Received 1st Place Best Poster Award)
11. **Liu, Y.**, Cai, H. “Evaluating the environmental impacts of U.S. historical oil spill incidents” *Oral presentation*, 10<sup>th</sup> Annual Graduate Industrial Research Symposium, Purdue University, IN, March 2, (Received 1st Place Best Oral Presentation Award).
12. **Liu, Y.**, Cai, H. “Evaluating the environmental impacts of U.S. historical oil spill incidents” *Poster presentation*, ESE Symposium 2023, Purdue University, IN, Feb 23.

## **TEACHING EXPERIENCE**

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**Teaching Assistant**, Environmental System Analysis, Peking University (2021)