



## CONTACT DETAILS

---

✉ yongchang.yu999@gmail.com

☎ +31 0613795715

🌐 [linkedin.com/in/yongchang-yu](https://www.linkedin.com/in/yongchang-yu)

📍 Verkorteweg 14, 8933AM,  
Leeuwarden, Netherlands

🌐 Chinese

## SKILLS

---

- CAD
- SPSS
- E-sankey
- Origin
- Microsoft Office
- Languages:
  - Chinese (native)
  - Mandarin
  - Cantonese
  - English

## Curriculum Vitae

# Yongchang Yu

## PERSONAL PROFILE

---

MSc environmental sciences student specialized in environmental technology. Have mastered the knowledge of physical, chemical, biological, and environmental technology in interdisciplinary field. Had relevant lab experience for the past few years. Enthusiastic about research, lab work and data analysis. Willing to learn, extend and accept new knowledge, culture and software.

## EDUCATION

---

### MSc Environmental Sciences

09/2020 - 09/2022 | *Wageningen University & research, Wageningen*

- **Specialization:** Environmental technology
- **Thesis:** "Electrochemical Characterization of Novel Nickel Electrodes"  
This thesis mainly focused on investigating the catalytic activity and optimizing gas escape from a New Nickel Electrode with pillar structure for hydrogen evolution reaction(HER) in alkaline media.
- **Relevant Courses**  
Processes for Water Treatment and Reuse,  
Environmental Electrochemical Engineer,  
Biological Process for Resource Recovery,  
Quantitative Research Methodology and Statistics
- **Academic Consultancy Training:**  
Research project "Redesigning waste flows in the neighborhood-creating value and stimulating biodiversity"

### BEnvEng Environmental Engineering

09/2015 - 09/2019 | *Wuhan University, Wuhan - China*

- **Specialization:** Environmental Engineering
- **Thesis:** "Treatment system design of resin synthetic wastewater"  
The thesis is a Wastewater Treatment System design for microbial treatment of synthetic resin wastewater by advanced oxidation process. The main system design includes Settling basin, reaction tank, sedimentation tank and AO biochemical reaction tank, of which the drawings are drawn by CAD.
- **Relevant courses**  
Inorganic and Analytical Chemistry with Experiment,  
Fluid Mechanics with Experiment  
Principles of Environmental Engineering

## ADDITIONAL INFORMATION

---

- Drivers licence: C1
- Interests:
  - Nature
  - Water technology
  - Electrochemistry
  - Data analysis
  - Sustainable ecology

## REFERENCES

---

References available upon request

# WORK EXPERIENCE

## **Intern Water technology**

**02/2022 - 07/2022 | The Central of Expertise Water Technology (CEW), Leeuwarden, Netherlands**

**Project:** Closing the water cycle on the dairy farm in Netherlands

- Make a summary report and a calculation model for the water consumption and quality on the dairy farm
- Develop a complete measurement and sampling plan for water quantity and quality on the dairy farm

**Project:** Reducing restart time of the Hydraloop Water Purification System

- To reduce the restart time by modifying equipment parameters
- The performance of the system will be tested by: determining of the biomass attached on the bioballs, and analyzed for ATP. A respiratory test via BOM, and the COD for the influent and effluent of the system.

# Research Experience

## **Member, Anhui Institute of Water Resources and Hydropower Science & Wuhan University**

**09/2018 - 11/2018 | Huaihe River Model Base, Hefei, china**

**Project:** Water Quality Regulation of Huaihe River

- Employed aerial vehicle (UAV) to observe the flow characteristics of the water flow by using potassium permanganate as a tracer.
- Used Conductivity meter to measure and record electrode values continuously at fixed point.

## **Leader, Key Laboratory of Biomass Resource Chemistry and Environmental Biotechnology, Wuhan University**

**08/2017 - 09/2018 | Wuhan university, china**

**Project:** Low Temperature Plasma/LBL Combined with Modified Abandoned Biomass Nanofiber and High Value Application

- This research intended to develop an antibacterial membrane for dental implant surgery.
- The membrane was prepared by electrospinning with the chitin nanofiber as base, with positively charged Lysozyme (LY), Rectorite (REC) and negatively charged sodium alginate (ALG) assembled on the nanofiber membrane

# Extracurricular Activities

## **Exchange student, Winter program Cambridge University**

**01/2019 - 02/2019 | Cambridge University, The United Kingdom**

- Learned more about European culture, such as Gothic architecture, Afternoon tea, Dinner etiquette, Wine and salsa Dance
- Served as team leader and organized team members to interview Cambridge students and professors on the topic of traditional Chinese culture