

Luoqin Liu

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EDUCATION

University of Padova Oct. 2024 - Present, Padova, Italy

Environmental Engineering

- Fields: Life-cycle Assessment (LCA), Sustainable Development Goals (SDGs), Seafood Supply Chain, Plastic Footprint, Environmental Impact Assessment
- Fully funded by the China Scholarship Council (CSC), includes a €1,350/month stipend for three years.

University of Edinburgh Sep. 2022 - Aug. 2023, Edinburgh, UK

MSc, Marine Systems and Policies

- Fields: Marine Ecosystems, Biodiversity Conservation, Marine Policy, International Negotiation, Human Well-being

National Taiwan Ocean University Feb. 2019 - Jun. 2019, Keelung, Taiwan

Environmental Biology and Fisheries Science (Exchange Program)

- Fields: Pelagic Fisheries Technology, Ecology, Sustainable Fisheries Development, Human Well-being

Ocean University of China Aug. 2017 - Jun. 2021, Qingdao

B.Sc. (Ag.), Marine Fishery Science and Technology

- Fields: Marine Fisheries Technology, Marine Environmental Impact, Sustainable Fisheries Development, Human Well-being
- Recipient, New Zealand Marine Research Scholarship. ¥10,000 research grant, travelled to New Zealand to conduct field research.
- Recipient, Zhongshui Innovation and Practice Scholarship. ¥5,000 research grant, support the development of aquatic education and professional talent training.
- Recipient, The 13th Star of Hope Scholarship. ¥3,000 grant, to encourage the most outstanding students in the School of Fisheries.
- Recipient, Excellent Third-Class Scholarship. ¥500 grant.
- Recipient, Social Practice Scholarship. ¥800 grant.

PUBLICATIONS

Liu, L., Manzardo, A., & Wu, J. (2026). Decision-maker and decision-making. In M. Traverso & J. G. Backes (Eds.), *Elgar Encyclopedia of Life Cycle Sustainability Assessment* (pp. 163–168). Edward Elgar Publishing.

Zhang, Y., Zou, Y., Liu, L., Manzardo, A., Wang, X., & Wu, J. (2026). A digital twin-driven dynamic shelf life approach for mitigating food loss across fruit supply chains. *Journal of Stored Products Research*, *117*, 103016.
<https://doi.org/10.1016/j.jspr.2026.103016>

RELEVANT EXPERIENCE

Laboratory of Fisheries Resource Biology OUC Aug. 2020 - May. 2021, Qingdao, China

Laboratory Assistant

- Isolation, extraction, and classification of laboratory-obtained fish otolith samples.
- Using sandpaper discs of different friction coefficients to assist the professor grinding the resin blocks embedded with otoliths and observing under the microscope to count the growth rings.

Laboratory of Intertidal Zone Physiological Ecology OUC

Aug. 2020 - Feb. 2021, Qingdao, China

Senior Undergraduate Research Assistant

- Guiding junior undergraduates to complete project design, including subject selection and experimental operation, etc.
- Collecting and raising shellfish from the intertidal zone for studying on the respiration changes of three common shellfish (*Limpet*, *Notoacmea schrenchi*, *Siphonaria Japonia*) affected by temperature.

Laboratory of Marine Biological Water Environment Engineering OUC

Dec. 2018 - Nov. 2020, Qingdao, China

Project manager of SRDP (Student Research Developing Program)

- In charge of the subject *The Effects of Sloshing in the Fish Tanks of Aquaculture Vessels on the Behaviour and Physiology of Rainbow Trout*, including outlining, monitoring, and summarizing.
- Using the six-degree-of-freedom ship motion simulation device to simulate the ship-borne conditions, studying the behaviour and blood biochemical indexes of rainbow trout under different swing periods and time conditions.
- Responsible for the communication between team members and tutors, organise weekly group meetings, and integrate the final report.

Laboratory of Fish Population Dynamics NTOU

Apr. 2019 - Jul. 2019, Keelung, Taiwan

Laboratory Assistant

- Participating in the anatomy and classification of deep-sea shark species.

Laboratory of Protozoology OUC

Aug. 2018 - Jul. 2019, Qingdao, China

Laboratory Assistant

- Cleaning and maintenance of various reagent bottles in the laboratory.
- Organising the tip boxes and cleaning the pipettes.
- Preparing all kinds of the pipette tips and reagent bottles the researchers need for the next day.

Deep Blue No.1 Project

- The world's largest fully submersible intelligent offshore fish farming system.
- Conducted a two-year research sub-task on rainbow trout behaviour and blood biochemical parameters under different rocking cycles and exposure times.
- Generated primary data and theoretical support for the design and modelling of aquaculture processes on large deep-sea farming vessels and platforms.
- Contributed to a related poverty alleviation project linked to Deep Blue No.1.
- Supported a farming pathway involving importing salmon eggs from Norway and North America, incubating them in low-temperature mountain spring water in the Yimeng Mountains, and rearing juveniles before transfer to offshore net systems.
- Helped advance a model that connected deep-sea aquaculture development with rural welfare improvement in mountainous areas.

ADDITIONAL EXPERIENCE**Research Institute for Environmental Innovation (Suzhou), Tsinghua (RIET)**

Jul. 2025 - Present Suzhou, China

Internship

- Meeting Coordination
- Data Entry and Review

New Oriental Education & Technology Group

Aug. 2023 - Sep. 2024 Suzhou, China

International Curriculum (Biology&Chemistry) Teacher

- Delivered IGCSE, A-Level, and AP Biology & Chemistry courses to high school students preparing for international university admissions.
- Designed and implemented structured bilingual lesson plans tailored to students' academic levels and language abilities.
- Guided students to significant academic progress: 100% of A2 students achieved A or above in Biology & Chemistry; IG/AL students reached an 88% A rate.
- Provided personalized IELTS tutoring; several students improved from Band 5 to 6.5 within two months.
- Created original teaching materials, practice tests, and performance tracking systems to monitor student outcomes.
- Fostered an interactive and motivating classroom environment, praised for engaging teaching style and student-centered approach.

Starlight Chinese Supermarket

Nov. 2022 - present, Edinburgh, UK

Retail Assistant - Communicating skills and Enthusiasm

- Worked closely with management to train new team members, supporting optimal sales productivity.
- Guaranteed high levels of customer satisfaction through product knowledge and attentive service.
- During three months of part-time work, the shop's Google Maps rating increased by 0.1 due to excellent and enthusiastic customer service.

Youtang Comic Studio

May. 2022 - Jun. 2022, China, Qingdao

Cartoonist - Creativity and Patience

- Modified work based on client feedback and requests.
- Design of comic book cover.
- Drawing precise lines of comic characters according to the draft given by the prominent editors.

SKILLS & INTERESTS

Language

- Chinese (Mandarin): native
- English: C1 (IELTS Band 7)
- Japanese & Italian: A1
- Chinese College English Test (CET) Band 6
- TKT Certification (Teaching Knowledge Test) of Module 2,3, and CLIL (Content and Language Integrated Learning)

Computer Skills

- Nvivo
- Google Earth Engine
- Python
- MATLAB
- R language
- QGIS
- SimaPro

Diving - Professional Association of Diving Instructors

- Adventure Diver

Art - China Academy of Art Social Art Level Examination

- Comics Level 9/9
- Drawing Level 9/9

- Sketch Level 9/9
- Gouache Level 8/9

Proficiency in typography, PPT template creation, academic and scientific popularisation poster production.
Proficiency in SAI, PS, AI, Procreate and other drawing software.

Music - Central Conservatory of Music Off-Campus Music Proficiency Test

- Piano Level 8/10