

PhD studentship (Full-time)

Institution	Xi'an Jiaotong-Liverpool University, China
School	School of Science
Supervisors	Principal supervisor: Dr. Lei Han (XJTLU) Co-supervisor: Dr. Sujie Qin (XJTLU) Co-supervisor: Dr. Haifei Zhang (UoL)
Application Deadline	Open until the position is filled
Funding Availability	Funded PhD project (world-wide students)
Project Title	Life Cycle Assessment (LCA) of Products Containing Plasticizers, Combining Multimedia Transportation Modelling of Plasticizer and their Health Impacts
Contact	Please email lei.han@xjtlu.edu.cn (XJTLU principal supervisor's email address) with a subject line of the PhD project title. The principal supervisor's profile is linked here: https://scholar.xjtlu.edu.cn/en/persons/LeiHan

Requirements:

A Master's degree with Merit and a Bachelor's degree with first-class or upper second-class honors are required for PhD admissions. Exceptional candidates holding only a Bachelor's degree may be considered on an individual basis in certain disciplines.

Evidence of good spoken and written English is essential. The candidate should have an IELTS (or equivalent) score of 6.5 or above, if the first language is not English. This position is open to all qualified candidates irrespective of nationality.

Degree:

The student will be awarded a PhD degree from the University of Liverpool (UK) upon successful completion of the program.

Funding:

The PhD studentship is available for three years subject to satisfactory progress by the student. The award covers tuition fees for three years (currently equivalent to RMB 99,000 per annum). It also provides up to RMB 16,500 to allow participation at international conferences during the period of the award. The scholarship holders are expected to conduct the majority of their research at XJTLU in Suzhou, China. However, they may apply for a short-term research visit to the University of Liverpool if the project requires it.

Project Description:

Plastic pollution has become a global environmental issue. Plasticizers are organic components added during the production process. They can transmit into various environmental medium and eventually affect human health. The ubiquity of those compounds has raised significant environmental concerns due to their potential to disrupt ecosystems and human health. This proposal aims to conduct a comprehensive life cycle assessment (LCA) and develop a multimedia model to estimate the flow and fate of organic plasticizers between different environmental media, including air, water, soil, and biota. The LCA will evaluate the environmental impacts of organic plasticizers from their production, use, to disposal, providing a cradle-to-grave perspective. The multimedia model will simulate the fate of these chemicals as they transport between environmental compartments. This study will offer a holistic view of the lifecycle and environmental behavior of organic plasticizers.

For more information about doctoral scholarship and PhD programme at Xi'an Jiaotong-Liverpool University (XJTLU), please visit

<https://www.xjtlu.edu.cn/en/admissions/global/entry-requirements/>

<https://www.xjtlu.edu.cn/en/admissions/global/fees-and-scholarship>

How to Apply:

Interested applicants are advised to email lei.han@xjtlu.edu.cn (XJTLU principal supervisor's email address) the following documents for initial review and assessment (please put the project title in the subject line).

- CV
- Two formal reference letters
- Personal statement outlining your interest in the position
- Certificates of English language qualifications (IELTS or equivalent)
- Full academic transcripts in both Chinese and English (for international students, only the English version is required)
- Verified certificates of education qualifications in both Chinese and English (for international students, only the English version is required)
- PDF copy of Master Degree dissertation (or an equivalent writing sample) and examiners reports available