

PhD post in Environmental Engineering at Imperial College London

Supervisor: Professor Evina Katsou

About the Post

Applications are invited for a PhD scholarship in the area of environmental engineering at Imperial College London. The research focuses on the holistic assessment of innovative value chains, with a special emphasis on life cycle costing, technoeconomic analysis, and the sustainability valuation. As the world transitions to sustainable paradigms, there is an imperative to integrate comprehensive evaluation mechanisms that extend beyond financial metrics. This involves the development of methodologies that can reliably appraise new technologies and value chains, encompassing their entire life cycle costs, economic viability, and broader societal and environmental impacts. This research aims to advance these methodologies, facilitating industries and policymakers in making enlightened decisions about the deployment and scalability of innovative technologies and value chains. The student will benefit from world-class facilities, a world-leading and friendly research environment and industrial support.

Requirements

- **Educational Background:**
 - A First Class Degree (or International equivalent) in economics, finance, environmental science, sustainable development, or a related field.
- **Master's Degree:**
 - A qualification that emphasized sustainability, environmental economics, life cycle costing, or financial analysis.
- **Research Experience:**
 - Prior involvement in projects or studies related to impact monetization, life cycle costing, or cost-benefit analysis.
- **Technical Skills:**
 - Acumen in financial modeling, proficiency with sustainability assessment tools, and familiarity with impact-weighted accounting principles.
- **Soft Skills:**
 - Rigorous analytical thinking, adept communication capabilities, and the propensity to work both autonomously and as part of a multidisciplinary team.
- **Language Proficiency:**
 - English language requirements (e.g., IELTS 6.5 overall, minimum 6.0 in all components) or equivalent.

About the Funding

The studentship will provide funding for up to 3.5 years, including home tuition fees (3 years) and a tax-free stipend at the standard UKRI London rate, £20,062 for the 2023/24 academic year, for 3.5 years. Full funding is available to Home students. The funding can also be used to partly support an international student.

Other scholarships can be found on the university website:

www.imperial.ac.uk/study/fees-and-funding/scholarships-search/

How to Apply

Applicants wishing to be considered for these opportunities should send the information listed below to Professor Evina Katsou via e.katsou@imperial.ac.uk

- Cover letter, explaining their motivation and suitability by addressing the requirements.
- CV, including UG and MSc transcripts with average grades, class ranking and research experience (if any).
- English testing results, i.e. IELTS or TOFEL (if any).
- Contact details of two referees (including name, affiliation, phone number and email address).

Review of applications will begin immediately and continue until the positions are filled. Application via the Imperial College Registry is not necessary at this stage.