

Job Title: Ph.D. Studentship at the Department of Civil and Environmental Engineering

A position for a Ph.D. studentship is available in the Department of Civil and Environmental Engineering at the College of Engineering, United Arab Emirates University. The research focus is on reject brine management and other waste utilization to produce sustainable construction materials. The research investigates the possibility of utilizing these waste sources to produce sustainable, cost effective, and environmentally friendly products that have specific potential applications in the industrial sector, particularly in the construction industry.

In addition to a strong background in the above-mentioned areas, candidates should be motivated, hard-working, and well-experienced in construction and cementitious materials. The candidate should be able to conduct innovative research in construction engineering and building materials. The ideal candidate should have excellent experience in conducting laboratory tests for the properties of materials, including concrete, reject brine, and other waste materials that could be used in construction applications. The candidate should prepare a plan for the entire research activities, work for a broader research project requiring the delivery of modular and tightly connected project tasks, write progress reports, collaborate closely with the research team, maintain accurate and complete records of all findings, ensure the validity and reliability of data at all times, and produce results for journal publications and conference presentations,. The candidate is also expected to achieve ambitious goals and develop the required knowledge and skills.

The minimum requirements to be accepted to the United Arab Emirates University Ph.D. program are:

- An MSc degree with a minimum GPA of 3.0 out of 4 and a BSc degree with a minimum GPA of 3.5 out of 4.
- Must have published at least one peer reviewed journal article in a reputed journal. More publications and conference presentations will be a plus.
- Ability to work independently and part of a team with flexibility and initiative-based approach.
- Ability to be innovative and creative.
- Professional and personal skills for completing the doctoral degree within the required timeframe.
- Two recommendation letters.

English Requirement: A minimum IELTS score of 6.5.

Starting Date: Fall 2023

Special Instructions to Applicant: Candidates are requested to submit a detailed CV, IELTS score, and their BSc and MSc degrees and transcripts (GPA scaled out of 4.0) to: essamz@uaeu.ac.ae.

If accepted, the Ph.D. candidate may be supported by the United Arab Emirates University for 4 years with stipend, full tuition fee waiver, and health insurance. For more detail about scholarships, see the following link: <http://www.uaeu.ac.ae/en/cgs/scholarship.shtml>. The United Arab Emirates is an open and tolerant society and clearly one of the most attractive places to live and work in the Middle East. The United Arab Emirates University is situated in the City of Al-Ain, which is known as the "Garden City of the Gulf". Al-Ain city is located around an ancient oasis, which have a history of settlement going back over 5000 years. Abu Dhabi and Dubai cities are only an hour and a half drive away from Al-Ain. For more information, you may see the United Arab Emirates University website (<https://www.uaeu.ac.ae/en>). Only highly qualified candidates will be contacted.