



**Job Title:** PhD positions in Chemical Engineering

**Job Description:**

PhD positions are available in Chemical Engineering for the enthusiastic, ambitious, and hard-working students for Fall 2022 and Spring 2023 at Chemical and Petroleum Engineering Department, College of Engineering, United Arab Emirates University. The projects will be focused on the development of nanomaterials for the conversion of greenhouse gases to value added chemicals/fuels, hydrogen production and water treatment. The area of study will be focused on synthesis of catalysts/photocatalysts with controlled structure and morphology for harvesting abundantly available solar energy in UAE for different applications such as fuel cell, CO<sub>2</sub> reduction, water splitting and industrial wastewater treatment. The projects will also include theoretical/computation investigation such as DFT calculations and simulations using numerical methods. The UAE is an open and tolerant society to live and work. The United Arab Emirates University is situated in the city of Al-Ain. Interested candidates should submit applications through UAEU website (<https://jobs.uaeu.ac.ae/index.jsp>). For further information, please contact Dr. Muhammad Tahir through email [muhammad.tahir@uaeu.ac.ae](mailto:muhammad.tahir@uaeu.ac.ae). Applications for entry in Fall 2022 must be submitted as soon as possible.

**Minimum Qualification:**

- 1) Must have a masters' degree in Chemical Engineering
- 2) Must have published at least one peer reviewed journal article in a reputed journal. More publications and conference presentation will be advantageous.
- 3) Ability to work independently with flexibility and initiative-based approach

**Expected Skills/Rank/Experience:** Extensive research experience on publishing research/review articles. Preference will be given to candidate with expertise in Photocatalysis, DFT Analysis and Optimization.

**English Requirement:** A minimum IELTS score of 6.5 is mandatory for this position.

**Starting Date:** Fall 2022 and Spring 2023

**Special Instructions to Applicant:** Submit a detailed CV, IELTS score, GRE score, Transcripts of B.Sc. and MSc (GPA be scaled out of 4.0)

**Interested candidates should submit applications through UAEU website (<https://jobs.uaeu.ac.ae/index.jsp>).**

**For further information, please contact Dr. Muhammad Tahir through email [muhammad.tahir@uaeu.ac.ae](mailto:muhammad.tahir@uaeu.ac.ae). Applications for entry in Fall 2022 must be submitted as soon as possible.**