UAEU PhD Fellowship on Climate Action

Introduction

The United Arab Emirates University (UAEU), the nation's flagship academic institution, is at the forefront of addressing global challenges through innovative research and education. With its state-of-the-art facilities, highly accomplished faculty, and strategic collaborations, UAEU is committed to sustainability and climate resilience. As a testament to this commitment, UAEU ranks #1 in the UAE and #343 globally in the QS Sustainability Rankings and is a proud leader in the Times Higher Education Impact Rankings.

UAEU has consistently demonstrated its dedication to advancing the United Nations Sustainable Development Goals (SDGs), with 43% of its publications addressing SDGs. It has also launched transformative initiatives such as the SDG Research Program for undergraduate students and a Postdoctoral Fellowship for early-career researchers focused on sustainability. Aligned with the UAE's roadmap for COP28 and beyond**,** UAEU is pleased to announce its PhD Fellowship on Climate Action, offering a transformative opportunity for international and national students to contribute to meaningful research that advances sustainability, mitigates climate change, and supports the UAE's ambitious climate action agenda.

Aim of the Fellowship

This fellowship aims to attract exceptional talent from around the globe to:

- Conduct cutting-edge research addressing climate resilience, sustainable energy, water management, and ecosystem preservation.
- Collaborate with global experts to develop innovative solutions that align with the UAE's sustainability objectives.
- Drive impactful outcomes such as policy recommendations, patents, and sustainable innovations.

Eligibility Criteria

- Master's degree from a university recognized by UAE Ministry of Education in a relevant discipline with a minimum CGPA of 3.3/4.0 or equivalent.
- Strong interest in sustainability, climate action, and interdisciplinary research.
- Publication record in reputable Scopus indexed Journals.

Fellowship Details

- Duration**:** August 2025 to July 2029.
- Funding**:** Full tuition waiver and a competitive monthly stipend.

- Resources: Access to advanced labs, mentorship by renowned faculty, and participation in UAEU's sustainability initiatives.
- Opportunities: Networking with international researchers, industry leaders, and policymakers.
- Conference Support: Financial assistance to attend and present research at reputable international conferences.

Key Features

1. World-Class Facilities: UAEU offers cutting-edge research infrastructure, including specialized labs for renewable energy, water management, and environmental sciences.
2. Strategic Commitments: UAEU is a key player in the UAE's climate action roadmap, contributing to global climate dialogues, such as COP28, and fostering impactful partnerships with leading institutions worldwide.
3. Focus Areas:
    - Renewable energy and decarbonization.
    - Water-energy-food nexus in arid environments.
    - Ecosystem restoration and biodiversity.
    - Climate-smart agriculture and urban resilience.
4. Global Recognition: UAEU's commitment to sustainability has earned it a prestigious standing in global rankings, attracting researchers and students from diverse backgrounds.

Application Process

- Deadline: March 31, 2025.
- Submission: Applications must include a statement of purpose, academic transcripts, and a detailed research proposal.
- Selection: Candidates will be shortlisted based on academic excellence, research potential, and alignment with UAEU's climate action goals. Interviews will be conducted to finalize selections.

Fellowship Types

1. **Internally Funded Research Projects**: Students will work on research projects funded internally by UAEU. These projects align with the university's strategic goals and are led by Principal Investigators (PIs) from UAEU's esteemed faculty. Selected candidates will join existing projects and contribute to impactful research outcomes. Those projects include:

PI	College	Title of the Project
Prof. Mohamed Mohamed (m.mohamed@uaeu.ac.ae)	Civil & Environmental Eng, College of Engineering	Performance enhancement of membrane desalination by combating fouling using MNBs
Dr. Omar Awayssa (omar.awayssa@uaeu.ac.ae)	Chemical & Petroleum Eng, College of Engineering	Simultaneous Electrodeposition of Binary and Ternary Aluminium Alloys during the Primary Production of Aluminium metal in NaF–AlF3–Al2O3–CaF2 Electrolytes Using a Standardized Laboratory Cell
Prof. Iltaf Shah (altafshah@uaeu.ac.ae)	Chemistry, College of Science	Emerging Pesticides and Heavy Metals: A Looming Threat to Wheat Crops and Food Security in the UAE
Dr. Muhammad Tahir (muhammad.tahir@uaeu.ac.ae)	Chemical & Petroleum Eng, College of Engineering	Multifunctional MXenes-Based Ternary Composites for Photocatalytic Carbon Dioxide Reduction and Hydrogen Production
Dr. Amit Kumar (amit.kumar@uaeu.ac.ae)	Biology, College of Science	Investigating the Management-specific influence on microbial-mediated soil organic carbon dynamics And Greenhouse gas Emissions in Date palm cultivation
Dr. Mahmoud Elgendi (mahgendi@uaeu.ac.ae)	Mechanical & Aerospace Eng, College of Engineering	Turbine Blade Leading Edge Cooling Through Jet Impingement: A Novel Multiple Outlet Design
Prof. Abbas Khaleel (abbask@uaeu.ac.ae)	Chemistry, College of Science	Carbon dioxide to fuels and chemicals: Rational design of novel multifunctional catalysts for Direct CO2 conversion to ethanol
Dr. Farag Omar (fomar@uaeu.ac.ae)	Mechanical & Aerospace Eng, College of Engineering	Whispering Rotors: Engineering Next-Gen Propulsion for Urban Air Mobility
Prof. Basim Abu Jdayil (babujdayil@uaeu.ac.ae)	Chemical & Petroleum Eng, College of Engineering	Development of BioPolyurethane Based on Lignin extracted from Date Palm Wastes for Thermal Insulation and other Applications
Dr. Young Ki Kim (youngki.kim@uaeu.ac.ae)	Architectural Eng, College of Engineering	Reducing Energy Performance Gap in Buildings in UAE: Using Post Occupancy Evaluation and Remote Sensing Technologies

2. **Candidate Proposal-Based Projects**: Students may propose their own research ideas as part of the application process. Based on the proposal, the respective College will assign a suitable PI whose expertise aligns with the research topic if the candidate meets the fellowship criteria. This approach ensures a tailored mentoring experience and fosters innovation in diverse areas of climate action. The candidate will be assigned to one of the research centers at UAEU based on the proposal and research area

Application Process

The United Arab Emirates University have established PhD programs in multiple disciplines. Students can apply online for PhD programs using

https://www.uaeu.ac.ae/en/admission/ph.d.and_professional_doctorate.shtml

Contact Information

For more information and application details, please visit our website or contact us at **sdg@uaeu.ac.ae**.