



UAEU

جامعة الإمارات العربية المتحدة
United Arab Emirates University



UNITED ARAB EMIRATES UNIVERSITY SUSTAINABLE DEVELOPMENT GOALS REPORT 2021



EXECUTIVE SUMMARY

The United Arab Emirates University (UAEU), established in 1976, is the first and most comprehensive research University in the country. The University is based in Al Ain City with its state-of-the-art campus, fully equipped with the most advanced educational and research facilities. Approximately 14,000+ students from 80 countries are currently enrolled in the university. The UAE University plays an active role in achieving and keeping pace with the sustainable development goals (SDGs) of the United Nations by supporting initiatives and projects seeking to achieve this ambitious vision. According to the Times Higher Education Impact Ranking 2022, UAEU is ranked 12 globally, and first in the UAE, for SDG 4: Quality of Education.

This report outlines some examples of the many activities in UAEU that contribute to the achievements of the SDGs. UAEU launched the SDGs Students' Research Program in 2021 to increase the awareness of students and the community towards United Nations SDGs. Through this new program, seed fund is provided to the research groups (mostly students) to explore, test and implement their research ideas for resilient, inclusive, and sustainable solutions under the mentorship of a faculty or instructor/researcher. During the first cycle 56 projects were funded addressing the SDGs 1, 2, 11 and 14. In addition, many initiatives and research activities, related to SDGs, are currently in place within the different colleges and research centers of UAEU to support the national strategy for climate neutrality to reach the target of zero carbon emissions by 2050.

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1 NO
POVERTY



End poverty in all its forms everywhere

UAEU Collaborates with NGOs in UAE such as Khalifa bin Zayed Al Nahyan Foundation, Crown Prince Court, Ministry of Education, Ministry of Foreign Affairs, Presidential Affair, Dept. HH Shaikha Fatima Bint Mubarak, and Zakat Fund provide help for needy students financially or by other means.

In 2021, a Memorandum of Understanding (MOU) was signed with the Emirates Red Crescent to be more than a stepping stone in providing and placing our visions into action in supporting the initiative of “Preservation of Grace”.

01



No Poverty

■ The Financial Aid Department aims to support deserving students from low-income families who are facing financial difficulties that might inhibit their ability to continue with academic studies. This is done by providing financial and moral support. Any student from a low-income family currently at UAEU has the right to apply for financial aid through e-Services. Each case will be reviewed and the required documentation assessed in order to ascertain the level of support necessary.

■ Lion share of the financial support & tuition waiver for the international students received by students from African and Central Asian countries who experiences the most poverty in present world order. This in turn shows UAEU’s global view on poverty eradication.

23



**Publications in
Scopus
(2017-2021)**

95%

**Approximately
95% of the
enrolled students
are supported
financially**

Various financial support schemes are available to national and international students of UAEU.

- Chancellor's Fellowship for Graduate Students at UAEU
- Graduate Research Assistantship (All nationalities)
- Graduate Teaching Assistantship (All nationalities)
- Graduate Administrative Assistantship (All nationalities)
- Full – Ride Scholarship from Master to PhD for UAE nationals (UAEU Alumni only)
- PhD Scholarship (All Nationalities)
- PhD Fellowship (All Nationalities)
- The ICT Scholarship Program @ UAEU
- Ph.D. Scholarship by the Department of Food Science and Nutrition
- MSc Studentships at the National Space Science and Technology Center
- Ph.D. Scholarships by the National Space Science and Technology Center for UAE nationals
- The Hamdan bin Rashid Scholarship Program at UAEU (Master of Educational Innovation)
- Scholarship for MSc Space Science under Arab Space Pioneers Program

621

**Graduate students
received financial
support in 2021**

1

**in UAE based
on the number
of Scopus
publication
(2017 to 2021)**

Undergraduate and Graduate students of all nationalities can apply for part-time opportunities and other financial aid available to overcome any setbacks along pursuing their educations.

With the COVID-19 pandemic, UAEU lived through a crisis that was never faced before and yet has delivered beyond expectations during the toughest of times and maintained its support till the end.

During Covid- 19 tuition paying students were offered a 25% waiver on the tuition fees, and delivery of University's electronic devices such as laptops, mobile phones, and tablets received at their doorsteps.

This academic year around 7% of the students are recorded to be from Low- income and Low middle- income countries who are supported to attend various programs and pursue their educations.

- 1- [Free Health Coverage](#)
- 2- [Free transportation](#) (in and out of the campus).
- 3- [Financial Aid](#)
- 4- [Scholarships](#)

**As long as
poverty,
injustice and
gross inequality
exist in our
world, none of
us can truly
rest.**



2 ZERO HUNGER



The [Khalifa Center for Genetic Engineering & Biotechnology \(KCGEB\)](#) was inaugurated in 2014 by His Highness Sheikh Mansour bin Zayed Al Nahyan, Deputy Prime Minister and Minister of Presidential Affairs. Research at the KCGEB is focused on exploring flora of the arid region to generate scientific knowledge to address the global challenges in the food security and sustainable agriculture practice through genomics, genetic engineering and biotechnological innovations. KCGEB is supported by strategic funding from the Ministry of Presidential Affairs.

The Center has three research platforms:

- Genetic Engineering for Crop Improvement
- Genomics and Bioinformatics
- Translational Research for Crop Development

KCGEB presents exciting short-term research hands-on training for undergraduate and postgraduate students of the UAEU, to build on essential skills and expertise to become a professional researcher.

End hunger, achieve food security and improved nutrition and promote sustainable agriculture



Zero Hunger

02

The ["Emirates Journal of Food and Agriculture \[EJFA\]"](#) is a unique, peer-reviewed Journal of Food and Agriculture publishing basic and applied research articles in the field of Food Science and Technology, Agricultural Sciences (Plant Production & Protection, and Animal Sciences), Human Nutrition, Agribusiness, Consumer Sciences and the Environment.

Our scientists aligned their research exclusively on food and nutritional needs of UAE and the region. They have also established an innovative research program at UAEU which focuses on bioactive molecules in camel milk and dates.

Canteen services are available inside the female and male campuses with a variety of cuisines that are accessible to students, staff, and faculties

The College of Agriculture and Veterinary Medicine (CAVM) provides a wide range of services to the UAE community. Types of services offered include testing programs, consultancy and training.

CAVM along with the College of Business and Economics has established a partnership with the Khalifa Fund to design an effective business incubation program for the food sector to help foster an entrepreneurial culture among local female Emiratis. The Food Innovation Program is the first of its kind in the Middle East and North Africa (MENA) region and one of the very few programs globally that is fully integrated with a University that caters for:

- Farmers looking to develop value-added products;
- Restaurant owners interested in producing products for retail sale (salad dressings and sauces);
- Talented bakers or cooks who want to sell their products
- Anyone looking to start a food business

Academic Programs:

- Bachelor of Science in Agricultural Resource Management
- Bachelor of Science in Marine Fisheries and Animal Science
- Bachelor of Science in Horticulture
- Master of Science in Horticulture
- Doctor of Philosophy in Horticultural Sciences
- BS-MS Option in Horticulture
- Bachelor of Science in Food Science
- Doctor of Philosophy in Food Science and Technology
- BS-MS Option in Food Science
- Master of Science in Food Science
- Bachelor of Veterinary Medicine
- Bachelor of Science in Nutritional Science
- Bachelor of Science in Dietetics
- Bachelor of Science in Nutritional Science
- Bachelor of Science in Dietetics
- Crop Production and Organic Farming
Concentration

72



Publications in
Scopus
(2017-2021)

1

in UAE based
on the number
of Scopus
publication
(2017 to 2021)



During the occasion of Innovation Month 2021, the College of Agriculture and Veterinary Medicine, hosted a virtual conference on [“Innovation and Technology Applications for Food and Agriculture”](#).

Concurrent presentations organized under in the three thematic areas,

- Agricultural Science and Technology
- Animals and Veterinary Science
- Food and Nutrition Science

**A hungry
man is not
a free man**



3 GOOD HEALTH
AND WELL-BEING



Health services at UAEU:

UAEU is dedicated to providing the highest quality [healthcare](#) to all the students. Provided free health insurance for faculty members, staffs and their dependencies along with all the students and Clinics for male and female campus for health care support.

■ [Emirates Centre for Happiness Research](#): Through evidence-based practices, the Centre plays a vital role in promoting well-being in the workplace - a trending topic in well-being research, as well as in other parts of people's lives. The research team at the Centre aims to tailor some positive psychology interventions to be culturally adaptable. In collaboration with the University of Melbourne and Geelong Grammar School in Australia, the team explored what positive education looks like in the UAE. The Ministry of Education – UAE has picked up on the findings and launched two follow-up initiatives.

■ UAEU, with the generous support of the Zayed Bin Sultan Al Nahyan Charitable and Humanitarian Foundation, has established the Zayed Bin Sultan Al Nahyan Center for Health Sciences ([ZCHS](#)).

■ UAEU researchers in collaboration with the Abu Dhabi Public Health Center (ADPHC) investigate the impact of the Sinopharm's BBIBP-CorV vaccine in preventing hospital admissions and deaths in the emirate of Abu Dhabi.



03

Good Health and Well Being

- **Smoke-Free Policy**
UAEU has a smoke-free policy for all buildings and surroundings on campus.
- UAEU scientist has done research by observing epigenetic gene regulation through brain imaging can help with the treatment of cancer, neurological diseases, and other health conditions.
- The health gym with full-time availability of physical trainer at campus and hostel.
- UAEU Provides [Free Emergency Medicine Resources](#) to Medical Students around the World.

Ensure healthy lives and promote well-being for all at all ages

1183



Publications in Scopus (2017-2021)

259

Graduates in Health Professions

276

Publications related to Covid-19 in Scopus (2020-2021)

Health club at UAEU: Whether you are looking to get in shape or participate in team sports, the Student Activities Sports Complex is the place to go. The sports facilities are open to students, faculty, and staff for a variety of recreational and competitive athletic activities. The staff also actively pursue developing and improving the level of sports in the UAE through athletic championships, symposia, and training courses

The United Arab Emirates University (UAEU), in cooperation with Zayed Higher Organization for People of Determination (ZHO), Abu Dhabi announced the launch of a joint multidisciplinary academic research study to examine the factors that determine health-related quality of life in children with Autism Spectrum Disorder (ASD).

1

in UAE based on the number of Scopus publication (2017 to 2021)

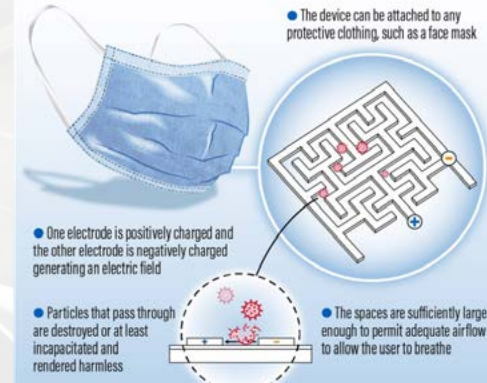
Organised Public Health Webinars

- The Global Brain Health Survey in collaboration with the Norwegian Institute of Public Health (Institute of Public Health)
- The Emirates Centre for Happiness Research at the United Arab Emirates University has organized a retreat, with the participation of deans of colleges, representatives of several public institutions, and the Comprehensive Wellness Clinic Dubai.
- Institute of Public Health organized a webinar on ‘Smoking and heartburn, is it the time to quit?’ on World No Tobacco Day
- Institute of Public Health organized a webinar on ‘Obesity and Pre-metabolic Syndrome’
- Institute of Public Health organized a webinar on ‘Health Literacy – what is it and why is it important?’ in collaboration with Uppsala University, Sweden.
- Institute of Public Health organized a webinar on ‘Polycystic Ovaries (PCO) Versus Polycystic ovarian syndrome (PCOS)’ on International Women’s Day

A research team from the UAEU / CMHS submitted the first genetic sequencing of fourteen isolates and four new alleles of Blastocystis to the pubMLST platform as the first applicants from the United Arab Emirates. PubMLST is a website, used by researchers around the world, that hosts a collection of open-access, curated databases of different microbial sequence data with provenance and phenotype information. The importance of Blastocystis lies in its potential to cause a range of chronic digestive disorders such as irritable bowel syndrome and colorectal cancer.



PATENTED PROTECTION DEVICE DEVELOPED BY UAE TEAM



Source: United Arab Emirates University. Graphic: Ramon Peñas

UAE researchers invent [electric mask](#) capable of 'zapping viruses'

United Arab Emirates University (UAEU) signs a [memorandum of understanding](#) with the National Health Insurance Company - (Daman) to ramp up focus on AI and big data

United Arab Emirates University Signs a [Memorandum of Understanding](#) with Mediclinic Hospitals

UAEU students receive Covid 19 vaccine as part of "Choose To Vaccinate" campaign



CHOOSE TO VACCINATE.

UAEU students receive Covid 19 vaccine as part of "Choose To Vaccinate" campaign.



4 QUALITY EDUCATION



Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

Ranked 12th Globally and first in the UAE for SDG4 according to Times Higher Education Impact Ranking 2022

The Centre for Excellence in Teaching & Learning (CETL) – supports the UAEU's strategic vision and mission by promoting emerging educational technologies and teaching pedagogies among faculty members and instructors. CETL provides its supporting functions using four units: Instructional Design Unit (ID) to oversee the massive online and blended course transformation

process that has started in support of implementing smart teaching and learning in UAEU courses. A second unit titled Teaching Scholarship & Assessment Unit (TSA) supports the assessment of teaching and learning effectiveness and efficiency. A third unit in charge of Faculty Professional Development (FPD) which plans, develops, and manages the delivery of workshops, seminars, discussion panels, and forums to promote teaching excellence. The fourth unit in CETL is the Textbooks unit, which manages the digital textbooks provision via UAEU's Virtual Learning Environment (Blackboard).



Quality
Education

04

Different Centres to support students

- Speaking Centre
- Writing Centre
- Language Centre

UAEU has been listed in record 16 subjects by QS World University Rankings by Subject 2021. UAEU has been named the nation's top university in Times Higher Education's ranking release which placed UAEU as the 39th best university in Asia. UAEU has been ranked the top business school in the UAE in the QS 2021 Global Executive MBA Rankings

The College of Business and Economics at the United Arab Emirates University inaugurates the "[Executive Education Program](#)" 2021

Resources: UAEU provides free access to the library for the entire national community, which includes all citizens and residents in the UAE. For those wishing to use services such as online databases, computer usage, or borrowing books, we charge 10 AED (3 USD) per year. UAEU scientists also provide free edX courses for local high school students and other courses that are provided free access for all. The university has a Continuing Education Centre that provides a range of courses targeting the local population outside the university. These courses may be charged.

Events and lectures for the public: The UAEU [Continuing Education Centre](#) provides a series of programmed events, lectures, and training sessions to which the local community is invited. These include language training, IELTS preparation and other useful skills like blockchain, artificial intelligence, Amazoogole, and design thinking. We offer another initiative to teach Arabic to non-native Arabic speaking children called 'Arabic is the language of tolerance'. The library organises a series of ad hoc events for targeted audiences mainly outside the university. The Science & Innovation Park offers events and courses for the local population and school students to encourage innovative and creative

thinking, e.g. seed fund coaching. Finally, the university career centre offers events and lectures that are only for the university alumni.

Student Affairs conduct a Customer Happiness Survey (every semester) to get the feedback of students on admission and registration services, overall rating about the teaching methods and courses offered to them.

Ph.D. Teaching Academy Program offered by CETL: The PhD Teaching Academy program is a blended program developed to prepare PhD students to start a teaching career in the academia. The program allows PhD students to learn how to manage large and small classes and gain hands-on experience with a range of teaching and learning pedagogies, instructional technologies, and best practices.

UAEU offering some of the courses as MOOCs (Massive Open Online Courses) or SPOCs (Small Private Open Courses) to anyone in the world via [UAEU-X](#).

UAEU received 5-star rating for online learning according to the QS World University Ranking. This achievement confirms UAEU's pioneering role in the educational process as a national institution through the development of its academic outcomes and programs that meet international standards.

153



**Publications in
Scopus
(2017-2021)**

62

**Master's &
Doctoral
Programs**

1

**in UAE based
on the number
of Scopus
publication
(2017 to 2021)**

46

**Bachelor's
Degree
Programs**



Library

- 2111 Numbers of external library users from other universities, institutions, Alumni and members of the community,
- 1.4 M Total electronic Downloads Activity & Usage Major E Resources: E journals & E-books.
- 4,785 Number of students and faculty attending outreach programs for information literacy and training, workshop events organized by the library both in virtual and physical format,
- 10,785 The number of borrowed and circulated material from the library,
- 715,426 Journals, Books, & print Databases. All Resources across All Disciplines: Available licensed electronic content from Publishers and Print collection
- 952,945 Readership of UAEU Scholarly Content Downloads Globally.
- 332,971 theses downloaded, 2,117 theses are available at UAEU websiste.



The United Arab Emirates University launches the "[Future Class](#)" project to educate students In cooperation with Cisco International



5 GENDER
EQUALITY



Achieve gender equality and empower all women and girls

UAEU has traditionally provided a university environment more suited to women. Therefore, approximately 81% of our students are female and we rigorously track females' application, acceptance, and completion rates.

Non-discrimination against women: UAEU has a policy that prohibits any and all discrimination against anyone for reasons of gender, religion, age, disability, race, color, origin, or nationality of others (p. 548). The first item is discrimination against anyone for reasons

of gender and defines the such practice as malignant behavior that breaches the student conducts code. Discrimination against women is punished under this code. MS-02 (p. 708) also states that 'The United Arab Emirates University is an equal opportunity employer that prohibits discrimination based on race, color, religion, national origin, gender, and disability status'. The University implements educational policies and procedures that aim to provide equal educational opportunities to both genders (Update if any changes have done in this policy

Maternity and Paternity leave: As a federal government institution, UAEU human resources policy is taken from the Federal Authority on Human Resources. Article 75 provides a period of paid maternity leave for mothers along with additional benefits following the period of maternity leave. Article 76 also provides for a period of paid paternity leave for fathers.

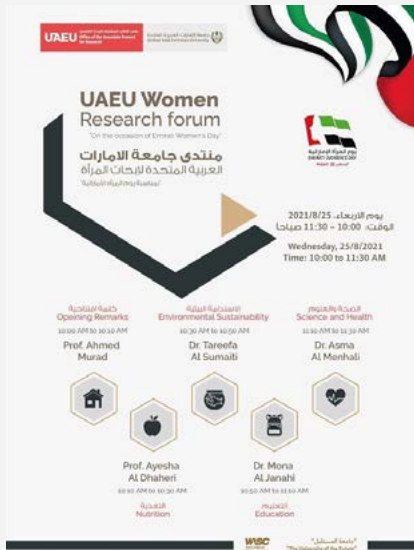


05

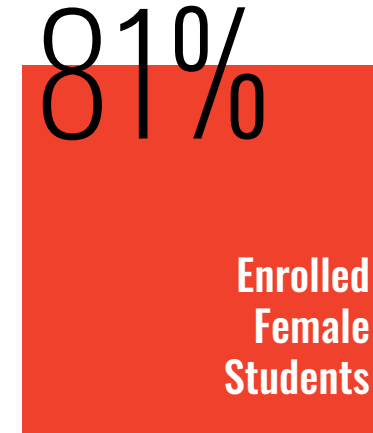
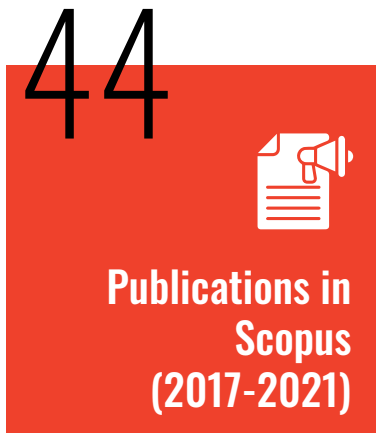
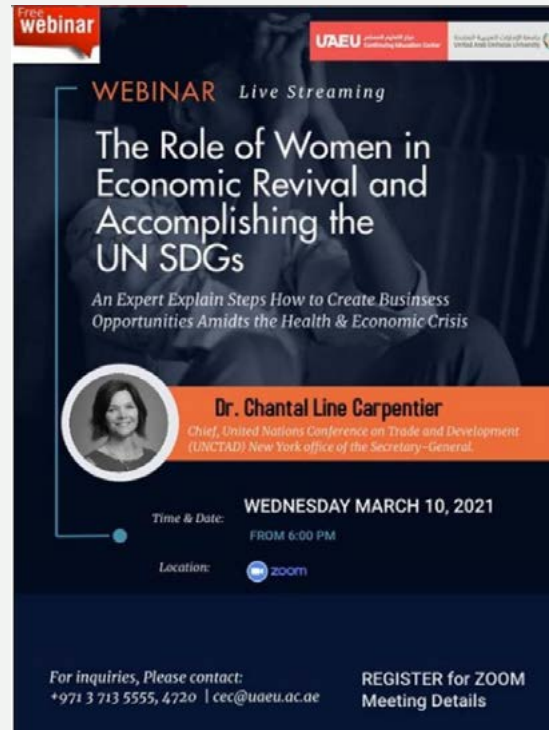
Gender
Equality

UAEU allowed the employed mothers who have children in the grade six and below, to apply for work remotely during the covid-19 pandemic.

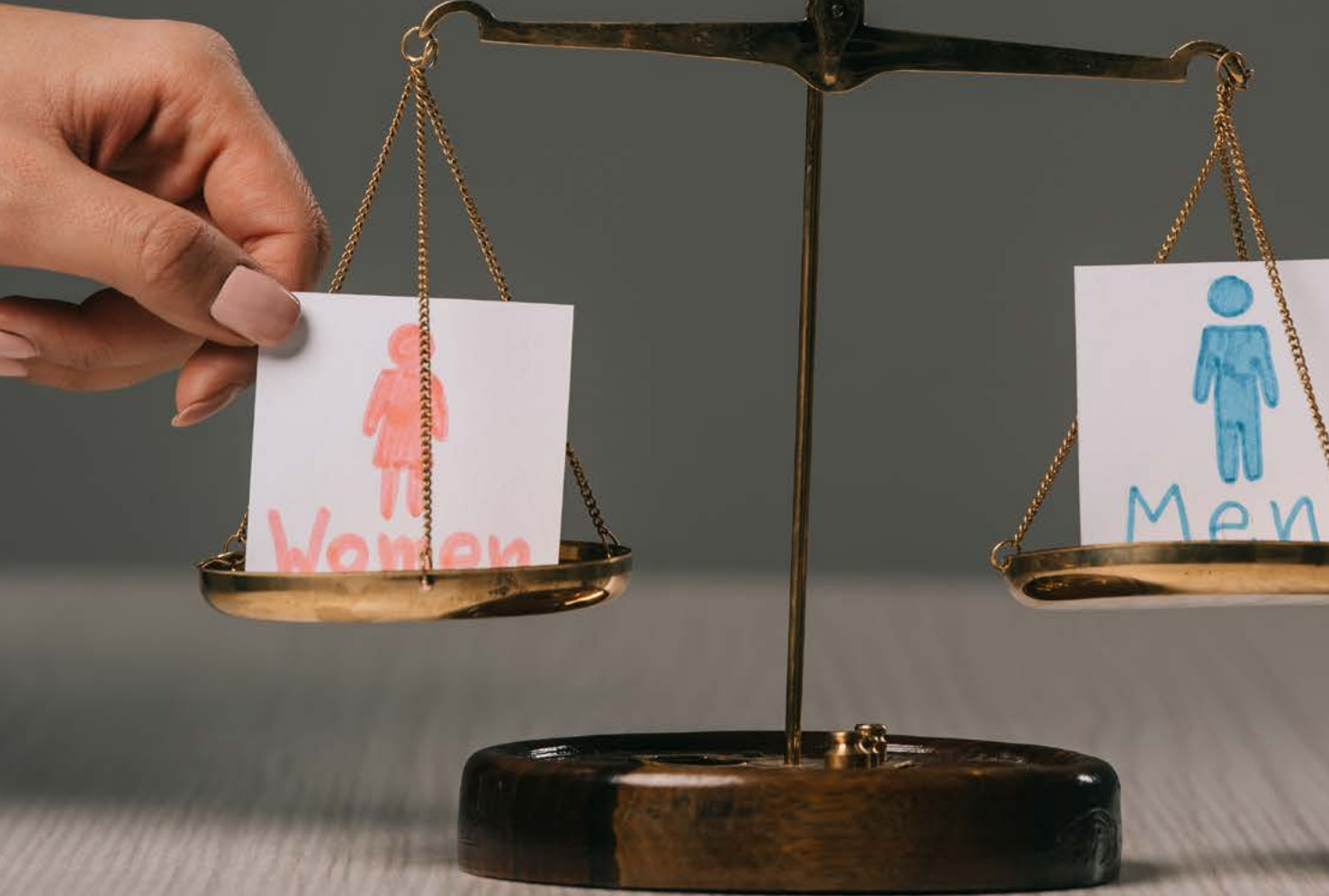
UAEU researcher in collaboration with Deakin University assesses the potential of [Gender Responsive Budgeting](#) (GBR) for engendering social change and supporting gender equality



Office of the Associate Provost for Research, United Arab Emirates University organized women research forum



UAEU celebrates the International Women's Day



**Here's to strong women:
May we know them.
May we be them.
May we raise them.**



6 CLEAN WATER AND SANITATION





Free drinking water

The university provides free drinking water for all students, faculty, and employees. The university provides free bottled water to all staff in all offices on campus. In addition, there are 19 drink fountains distributed throughout the campus with instructions on safe and appropriate water usage. These are all regularly tested for micro biologicals to reduce risk to human health and each machine is also checked regularly for proper functioning. Refill bottles are readily available and replaced by our facilities team.

Ensure access
to water and
sanitation for all

Wastewater treatment

UAEU works closely with the municipality on wastewater treatment. The university base water and faucets are each connected to the municipality network and all wastewater treatment is undertaken in the municipality domain. We then use one specific line of recycled 'grey' water for irrigation on campus.

Water consumption tracking

UAEU is extremely careful about water conservation as we have a hot desert climate with limited rainfall. We use the company Khadamat for services including water supply. We have metering from the main pumping station and additional meters in each building on campus. These are used for measuring, auditing, and comparing water consumption and the figures are compiled into a monthly report for each building and for the whole university

Water management educational opportunities

UAEU hosts the [National Water and Energy Centre](#) as an integral part of the university. Our scientists provide lectures at regional and international conferences to the academic community, for example the American Association of Petroleum Geologists Society Chapter in Kuwait. We also provide regular talks to local bodies involved in water management such as the Environment Agency of Abu Dhabi, and to local schools.

Promoting conscious water usage

UAEU provides a series of customised workshops to students in Years 10, 11, and 12 from all the Emirates in the country. The workshops formed part of a summer camp and originally involved UAEU experts going out and visiting schools to provide the sessions. The workshops covered an introduction to geology, aquifers, different types of pollution along with methods to prevent pollution and monitor water quality. UAEU faculty taught the school pupils and encourages children to teach their parents as an example of inter-generational cooperation for the good of the whole community. Within the university, UAEU offers a course on sustainability of which almost half the course is devoted to water sustainability. We also take our students to visit the Sheikh Zayed Desert Learning Centre, a 5-Pearl rated sustainable building. As the recent movement restrictions have stopped the visits, our students have made a video to enable current students to hold virtual visits.

129,189m³

Amount of water saved
(2021)

72,437m³

Volume of water
used(2021)

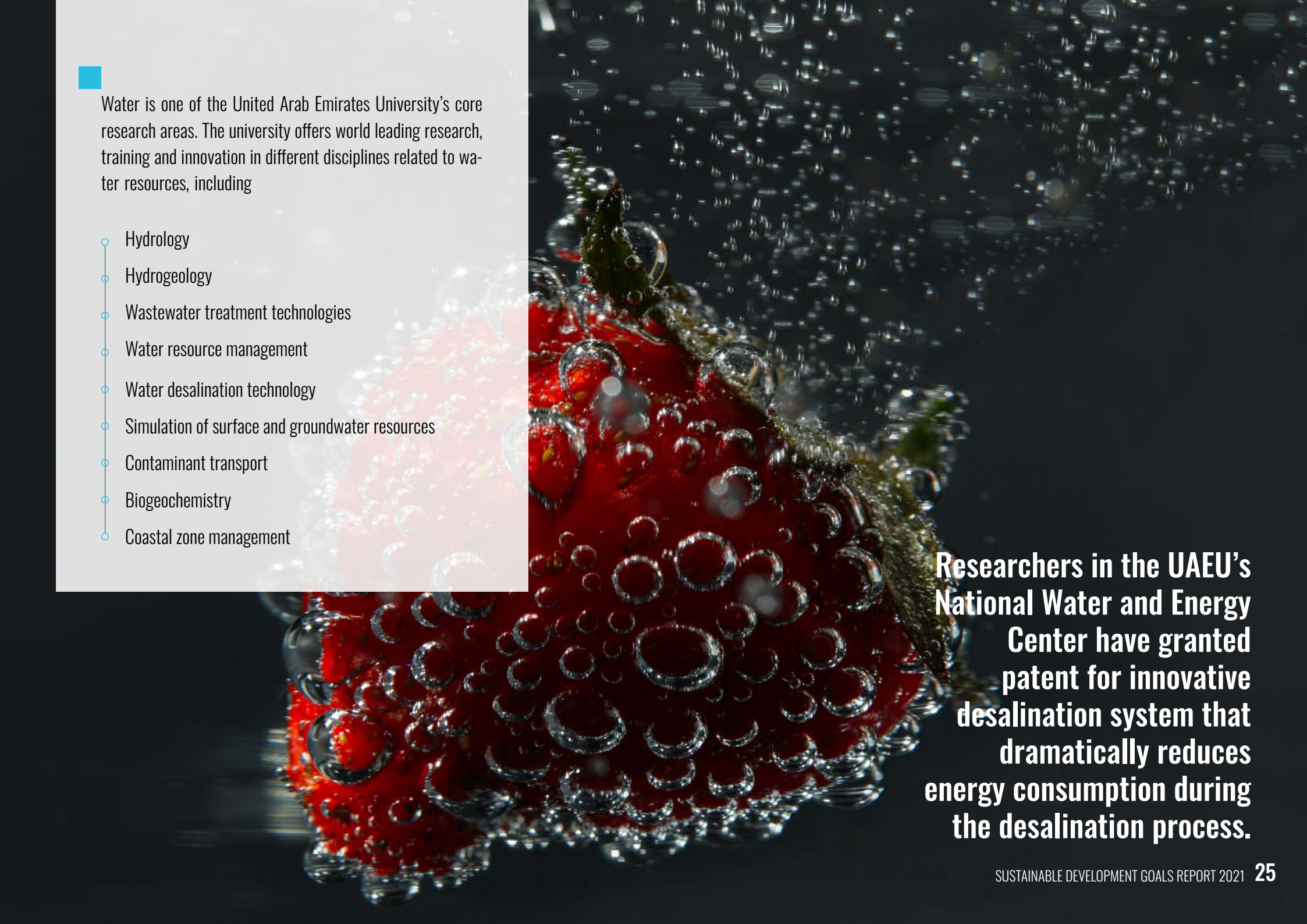
221



Publications in
Scopus
(2017-2021)

NWEC's Mobile Water Laboratory is an effective surveillance of domestic water quality, groundwater quality, groundwater level data, sewage treated water quality, industrial wastewater quality in desert and urban area of UAE.





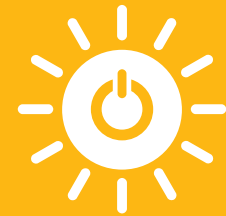
Water is one of the United Arab Emirates University's core research areas. The university offers world leading research, training and innovation in different disciplines related to water resources, including

- Hydrology
- Hydrogeology
- Wastewater treatment technologies
- Water resource management
- Water desalination technology
- Simulation of surface and groundwater resources
- Contaminant transport
- Biogeochemistry
- Coastal zone management

Researchers in the UAEU's National Water and Energy Center have granted patent for innovative desalination system that dramatically reduces energy consumption during the desalination process.



7 AFFORDABLE AND
CLEAN ENERGY





Renewable
Energy

07

Ensure access
to affordable,
reliable,
sustainable and
modern energy
for all

■ Researchers from UAEU developed a model of [Electric Vehicle Fast-Charging Stations](#) in Al Ain City and developed methods to help design and manage a coordinated fast charging Stations planning model that enhances the user experience for Electric vehicle owners. Ultimately, the project is beneficial for sustaining the fast growing demands for Electric vehicles in UAE and helps to prepare a plan to locate and size the Charging Stations that benefit all stakeholders.

■ Concrete steps towards becoming a cleaner, more energy-efficient university include replacing all lamps with energy-efficient dimmable LEDs instead of traditional bulbs. We have also limited the amount of energy used by air conditioning machines by linking them to timers and setting the target temperature centrally. We now use solar energy for heating water and are building a cycle track and a cycle park to encourage greener transportation.

■ UAEU central [data center](#) is completely designed to be more energy efficient with minimum stress on environment. Power and cooling infrastructure is based on most sophisticatedly chosen, green certified hardware. Current data centers, which are hosted in “College of IT” building, have “InRow Cooling” technology that eliminates the use of heavy-duty HVAC units. InRow cooling units draws only 25% of the energy-required compare to other solutions.

UAEU has implemented an energy monitoring system in 42 buildings on campus and since 2014, the university has saved nearly 57,362MWH of energy – enough to power the entire UAEU for 223 operational days.

Our facilities management team actively hunts energy wastage by routinely scrutinizing the university's energy consumption building by building and month by month. If we see an unjustified increase compared with the same month in the previous year, then there is potential wastage, and we take action

Our scientists conducts extensive research on Growth of microalgae for simultaneous biodiesel production and treatment of industrial waste water

UAEU researchers invented Cadmium Sulfide Quantum Dot Sensitized Solar Cell Device with Nanograss-Like Tin Oxide Interlayer

43,550MW

~Energy
Consumption
2021

467



Publications in
Scopus
(2017-2021)

57,362MWH

Campus Energy
Savings Since
2014

UAEU has progressively saved electric energy consumption over the past 4 years thereby reducing carbon emission.

Renewable Energy Lab at Falaj Hazza has Solar photovoltaic, Solar thermal, Energy storage, Grid integration, Wind, Bio-fuels and fuel cells facilities.

UAEU researcher developed a new renewable energy index. It has the potential to be used in economic analyses and planning for sustainable development. The Index may be useful in comparing countries and regions in order to encourage investment in renewable energy production.

UAEU hosted International Conference on Renewable Energy Generation and Applications [ICREG'21](#) discusses green energy technologies and sustainable “zero energy” systems

To enhance energy sustainability and efficiency United Arab Emirates University signs a memorandum of understanding with Abu Dhabi Energy Services Company



[To Know More](#)

UAEU has core strengths in several key areas of Energy research

- Conventional Energy (Oils and Gas)
- Enhanced Oil Recovery
- Non-Conventional Oil Production
- Gas and Gas Condensate Fields Developments
- New Sources of Renewable Energy
- Micro and Smart Grids
- Energy Efficiency
- Energy Management
- Policy Studies



8 DECENT WORK AND ECONOMIC GROWTH





Good Job and Economic Growth --- Placement cell

UAEU launched SDG research programs for undergraduates students and funded 56 Research Projects Addressing the [Sustainable Development Goals](#)

[College of Graduates Studies](#) conducts workshops and training programs to improve the research and employability skills of graduates students.

The United Arab Emirates University announced the launch of the "[KHIBRA](#)" program, the first of its kind in the Middle East, to train students and guide them in various aspects of work by the university-experienced graduates specializing in their leadership, administrative and technical fields.

Partnership programs of UAEU with reputed industrial firms provide students to get acquaintance with the company's policy and strategy.

Career placement programs for students to obtain desirable jobs in various MNCs and reputed companies.

The University helps students to participate in part-time jobs like exam proctoring, library supervising, etc.

The United Arab Emirates University participates in the [4th Aqdar World Summit](#)

The [College of Graduate Studies](#) provides teaching assistantships for the PhD students with salary which gives them financial and academic growth at campus and in future.

Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

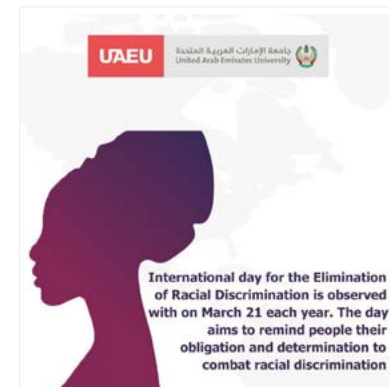
MIT Innovation Leadership Bootcampers will be teaming up to shape their project ideas, conceptualize, and design viable business and financial models.



The UAEU has a wide range of excellent benefits and facilities on offer to staff/faculty. These can benefit personal and professional development, health, wellbeing and finances.

- Pension
- Accommodation
- Furniture Allowance
- Vacation Tickets
- Children's Education
- Vacation Leave
- Medical Coverage Including Dental Coverage
- End of Service
- Training & Development
- University Social Club

[UAEU celebrated](#) International day for the elimination of racial discrimination



134



Publications in Scopus (2017-2021)

33

Workshops Under Khibra

1095

Alumni Beneficiaries

1

in UAE based on the number of Scopus publication (2017 to 2021)

The Center for Career Placement and Alumni (CCPA) provides students and Alumni with many opportunities for career preparation and employment.

- Provide students with internship and work placements that have a significant impact on their professional lives;
- To prepare students for developing and pursuing careers and to assist them in the cultivation and enrichment of career-related skills;
- To build a strong connection and collaboration with all UAEU alumni;
- To provide effective and efficient services to organizations seeking to employ the institution's graduates and students.

Career Planning & Placement Section

Alumni Affairs Section





9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE





Industry, Innovation and Infrastructure

The United Arab Emirates University and the University of California - Berkeley in the United States of America signed a partnership agreement, which culminated in the opening of “materials innovation laboratories” in the Department of Chemistry at the College of Science for both students and researchers.

UAEU researcher studied the capabilities of 3D printing technology in the [production of battery energy storage system](#)

The Innovation Hub is a collaborative community centre built with the goal to develop a robust and innovative community, passionate about growing the UAE’s technology and talent pipeline. The Hub equips youth in the UAE with the skills needed to develop mobile applications, design products, produce prototypes, and develop an understanding of Artificial Intelligence and Machine Learning. In addition, the hub runs a program of Tech Talks, featuring technology experts, practitioners and entrepreneurs.

UAEU and [Strata](#) formed a cooperation to create a 24-month Aerostructures Technicians Program. During this period, students will learn the principles of manufacturing and aerospace as well as receive on-the-job training to enable them to produce aircraft parts.

Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

UAEU Science and Innovation Park support the commercialization of new ideas, products and inventions by providing emerging business talent with the skills, startup support and advice. It also encourages an entrepreneurial environment in the UAE.

- Startup Program
- Scale Up Program
- Challenge for Innovation - C4I

171

Internal
Research
Projects in
2021

68

External
Research
Projects in
2021

UAEU received patent for “Product and method to manufacture multi-layered, multi-material composite sandwich with hyper elasticity rubber like core made by fusion deposition modelling”

43 Patents
granted in 2021

UAEU formed a new company, Meta Touch, from a multidisciplinary team of academics in the fields of engineering, robotics, and business.

Abu Dhabi Airports has partnered with [Meta Touch](#), to deploy new touchless technology across 53 elevators at Abu Dhabi International Airport (AUH), helping to prevent cross-infection from interacting with elevator buttons and enable a COVID-19-free airport environment.

71.96

External
Research Fund
in 2021
(Million-AED)

222



Publications in
Scopus
(2017-2021)



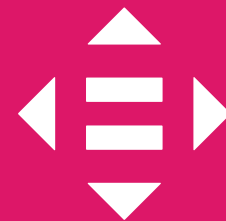
Science and Innovation Parks (SIP) has conducted ‘Digital Fabrication’ workshops on 3D printing, Laser cutting and App development in February 2021.

The Industry 4.0 District is a major undertaking by UAE University as part of its ambitious plan to be the “University of the Future”. This “District” will host Labs that will bring about different aspects of the Fourth Industrial Revolution into the education of UAEU students in terms of courses and programs, projects, research, and industrial applications. The “District” will start by hosting five major laboratories, namely; Robotics and Artificial Laboratory, Mini-Factory, Fabrication Laboratory, App Factory, and a Materials Library. Students, faculty, freelancers, and industries will have access to these labs to be able to try out, prototype, and test their ideas in different fields and may be guided in turning their ideas into commercial products. We anticipate that “District 4.0” will transform the way we conduct education in the STEM fields in the region.





10 REDUCED
INEQUALITIES





Reduced Inequality

UAEU campus is fully accessible.

Students with special needs are met at the main gate by an electric campus vehicle and transported as needed for classes or services. All buildings are accessible, and handicapped toilet facilities are available across campus. Each of the residence halls on the new campus also include rooms that are fully accessible.

As a national university, UAEU supports tolerance and heritage that strongly prohibit any forms of discrimination based on gender, race, ethnicity, region, nationality or disabilities

The United Arab Emirates University Center for Public Policy and Leadership seeks to give new methods and solutions to the country's many problems, especially those relating to labor and social policy.

The Special Education Department Child and Family Lab- College of Education at the United Arab Emirates University has organized a workshop "Read and Ascend" within the activities of the Reading Month, which addressed several topics such as dyslexia, tactile intelligence, and the relationship between reading and writing, presented by the college professors and specialists.

UAEU faculty member conducted research on experiences of disabled people in the United Arab Emirates: Barriers to participation in higher education and employment

UAEU celebrated "[Tolerance & Inclusivity](#)" theme week in Expo 2020 Dubai. How can we foster a greater common understanding to enable more tolerant and inclusive societies?

Reduce inequality within and among countries

91



Publications in Scopus (2017-2021)

1

in UAE based on the number of Scopus publication (2017 to 2021)

520

Number of first generation female student

788

Number of first generation student

The College of Humanities and Social Sciences at the United Arab Emirates University organized the second online forum of the International Day for Tolerance focusing on to achieve justice, transparency and tolerance, and in diversity we find our greatest strength

United Arab Emirates University celebrates the International Day for Tolerance





Students of Determination Services Center ensures that all UAEU students with disabilities have access to educational opportunities equal to their fellow students.

UAEU Assistive Technology Lab is equipped with PC computers that use assistive technology software and equipment that feature:

- Text-to-Speech software
- Screen reader software
- Screen enlargement software
- CCTV and portable text magnification systems
- Printer access for note-takers
- Flat screen monitors
- Braille printer
- Braille sensor
- Adaptive mice and keyboards
- Adjustable tables



11 SUSTAINABLE CITIES AND COMMUNITIES



Make cities and human settlements inclusive, safe, resilient and sustainable

11



Sustainable Cities
and Communities

UAEU Facilities

The new UAEU campus features the most modern architecture spans over 80-hectare campus in Al Ain. The campus, with a capacity of about 16,000 students, includes outstanding classroom, library, academic and office space; both male and female sides have recreational facilities including Olympic size swimming pools, dining, mosques, meeting spaces, shops, residence halls, and considerable space for related student life activities. Both female and male sides of the campus have office and classroom buildings for each of the Colleges.

The UAEU provides excellent accommodation for staff, faculty and students as well as affordable housing for housing for graduate students who have families.

UAEU researcher developed a model for [Municipal Heritage Management](#)

UAEU research team demonstrated a case study for [enhancing energy and water efficiency](#) via building design, which consequently contributes to the environmental sustainability of the built environment.

Emirates Center for Mobility Research (ECMR), known previously as The Roadway, Transportation and Traffic Safety Research Center (RTTSRC) was established in June 2004 at UAE University, with the objective to boost the university's role in serving the community developmental goals in the fields of road engineering, transportation and traffic safety.

ECMR at UAEU is registered as a consulting body with the Department of Planning and the Economy and the Abu Dhabi Chamber of Commerce and Industry for roadways and transportation projects. It is also registered as an engineering consultancy with the municipalities of both Abu Dhabi and Al Ain.

ECMR's strength revolves around its five Research Groups

- Efficient Infrastructure
- Green Mobility
- Connected & Autonomous Mobility (CAM)
- Integrated Mobility
- Safe Mobility

31

SDG Students
Research
Projects Funded
in 2021

313



Publications in
Scopus
(2017-2021)

1

in UAE based
on the number
of Scopus
publication
(2017 to 2021)

RTA

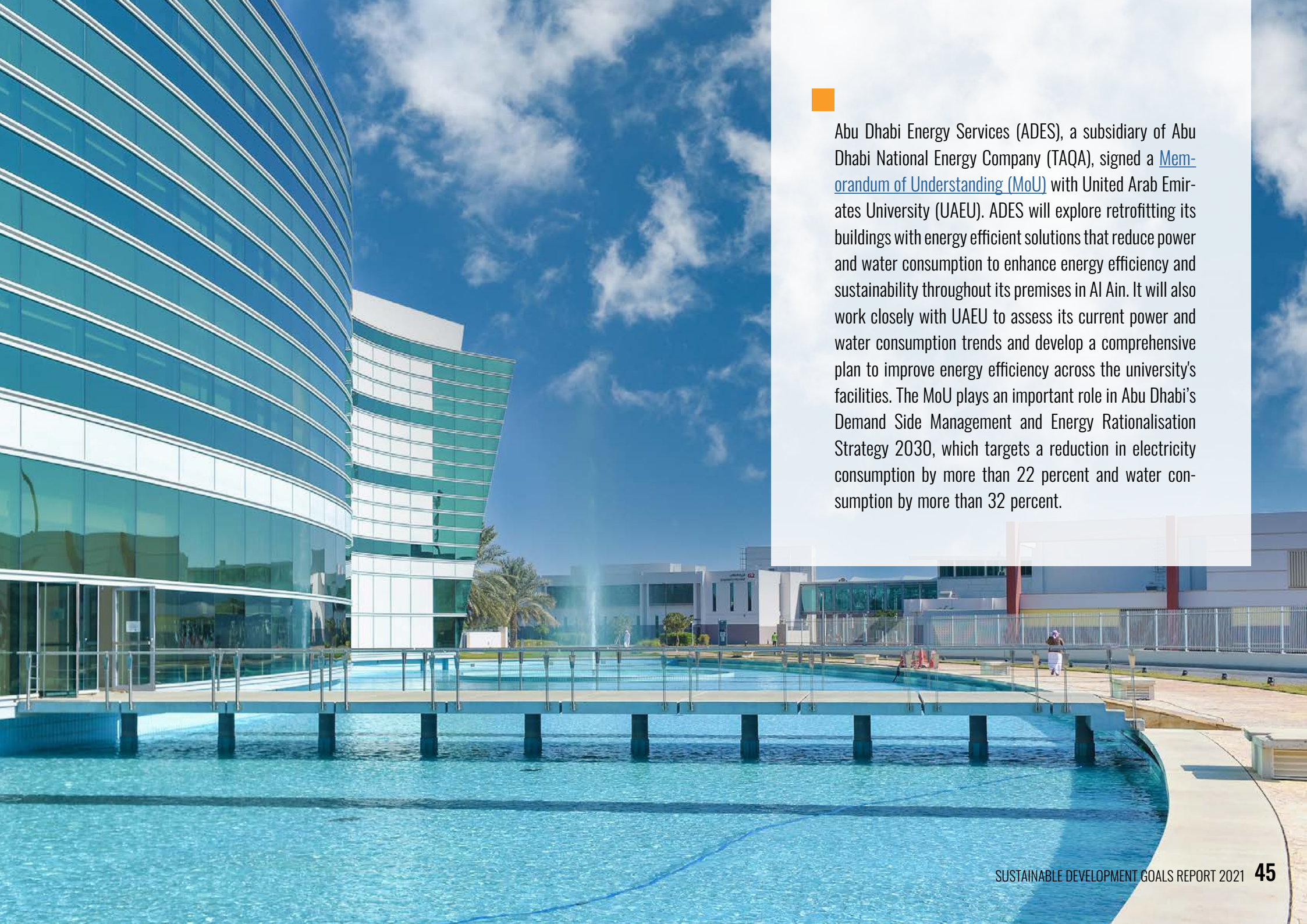
The Emirates Centre for Mobility Research at the United Arab Emirates University conducts research projects in cooperation with various government agencies to serve the UAE strategic objectives and address the most important contemporary issues related to safe mobility, such as “the development of Abu Dhabi’s Vision Zero Strategy project to eliminate traffic fatalities and severe injuries by 2040” in cooperation with the Integrated Transport Centre in Abu Dhabi; “mathematical modelling of COVID-19 spread dynamics in Abu Dhabi” in cooperation with the Abu Dhabi Department of Health;

UAEU embraces digitization of roads for smart cities with [state-of-the-art sensor](#) and communication technologies



Project with Umm ul Qura university

Emirates Center for Mobility research center in cooperation with Umm Al-Qura University and the Ministry of Education in the Kingdom of Saudi Arabia developed agent-based simulation models for the assessment of COVID-19 infectiousness and crowd management at Hajj and Umra seasons



Abu Dhabi Energy Services (ADES), a subsidiary of Abu Dhabi National Energy Company (TAQA), signed a [Memorandum of Understanding \(MoU\)](#) with United Arab Emirates University (UAEU). ADES will explore retrofitting its buildings with energy efficient solutions that reduce power and water consumption to enhance energy efficiency and sustainability throughout its premises in Al Ain. It will also work closely with UAEU to assess its current power and water consumption trends and develop a comprehensive plan to improve energy efficiency across the university's facilities. The MoU plays an important role in Abu Dhabi's Demand Side Management and Energy Rationalisation Strategy 2030, which targets a reduction in electricity consumption by more than 22 percent and water consumption by more than 32 percent.



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



Ensure sustainable
consumption and
production patterns

12



Responsible Consumption
and Production

UAEU students transformed datepalm waste to biodegradable cutlery

UAEU Students Tap Into UAE Resource to Address Critical Environmental Issues with around 40 million date palm trees spread across the UAE, the UAEU students are finding innovative and sustainable ways to tap into the resource by transforming datepalm leaves to the innovative biodegradable cutlery in partnership with [Palmade](#).

College of Agriculture and Veterinary Medicine at UAEU signs a Memorandum of Understanding with CODE134 Technology LLC” for artificial fertilization of date palms with drones.

UAEU in collaboration with Khadamat has implemented a fully comprehensive green cleaning program at par with world class cleaning practices. It has adapted hybrid specification of work output and low environmental impact cleaning policy by using green seal standard products and smart cleaning machines such as vacuum cleaners, which capture 96 percent of particulates, 0.3 microns in size and operate with a sound level less than 80dBA. They follow the steam cleaning method of disinfection, which is extremely efficient and environmentally-friendly cleaning alternative to traditional methods.

170



Publications in
Scopus
(2017-2021)

1.66

FWCI
(2017-2021)

Research on GIS-based waste-to-energy and improved solid waste management practices for waste collection

UAEU Researcher studied the environmental and energy policies to enable sustainable consumption and production in the Gulf Cooperation Council countries

Al Foah Experimental Farm a wide spectrum of research activities, most of which focus on the development of sustainable plant and animal production systems that yield healthy produce. Around 40 hectares of land and a range of cutting-edge research facilities are made available for scientists and students from various specializations to develop and test innovative strategies that support food security in the region. Aside from our involvement in UAEU research and education, the Experimental Farm actively engages with the community and supports agricultural education outside of the university.

Scientist from UAEU studied the how to achieve SDGs in Social Housing in the UAE: From Conventional to Building Integrated Photovoltaic (BIPV) Houses

Waste boxes placed in every corner of the campus for 4R method of waste processing. Waste collected includes;

- Domestic waste
- Recyclable items
- Hazardous Waste



Khadamat Waste Management
Team manages and facilitates the collection of waste in the UAEU Maqam Campus. This service is an efficient, timely and compliant waste management service for the operational and environmental aspects of the Facilities.



PROJECT EV

جامعة الإمارات العربية المتحدة
United Arab Emirates University

UAEU

Charge
Charge your drive

محطة شحن السيارات
الكهربائية
EV CHARGING
STATION

13 CLIMATE
ACTION



Green IT

The commitment to reduce environmental impact and power consumption are becoming increasingly important objectives for IT organizations. UAEU emphasized the importance of Green computing by adapting sustainable aspects of [Green IT](#) that have a huge impact on the environment. As computing becomes increasingly pervasive for United Arab Emirates University, the energy consumption attributable to computing is climbing every second. The Division Of Information Technology (DoIT) is continuously developing ways to reduce the environmental impact of our IT use. We are committed to a more sustainable way of working and as a result over the past years there has been significant improvement into the UAEU Green IT environment. DoIT has implemented several Green Initiatives and is working towards an objective whereby the initiatives become widely used practices on all of our campuses. There are many new Green beginnings that DoIT is aspiring to introduce on campus. We are committed to reducing the carbon footprint for IT through the promotion of sensible and practical changes to the way we all work. By working together we can help reduce the impact on the environment.

Take urgent action
to combat climate
change and its impacts



13

Climate
Action

- Electric vehicle charging points are made free of cost in campus to promote the use of EV vehicles in UAE.
- UAEU researcher [participated in the study](#) “Nexus between carbon dioxide emissions and economic growth in G7 countries”
- Solar panel installed in various locations for the power harvesting.
- Scientists at the university are modelling species distribution in the UAE as a result of climate change up to 50 years into the future!

175



Publications in
Scopus
(2017-2021)

3

Research
Centers

9

Bachelors Degree
Courses

As the invasive Mesquite plant continues to spread all over the world, Taoufik ksiksi has discovered the impact of soil, temperature, and clay fractions on the plant's relentless march. In parallel, Ruwaya Kendi is investigating the level of microplastics finding their way into fish and other biological life. As microplastics have been found in some commercially available cosmetic products, her work is important for regulatory authorities as it provides the data needed to develop safety guidelines.

UAEU Pavilion at Expo2020 organised [Climate and Biodiversity Theme week](#)

Khalifa Center for Biotechnology and Genetic Engineering presents a lecture on "[The Role of Genome in Agriculture and Food Security](#)"

Courses

ARCH 532 Sustainable Architecture & Urban Environments in Hot Climate

GESU 121 Sustainability

GEO 452 Climatology

GEO 462 Current Environmental Issues


ECON 237 Environmental and Energy Economics

ARCH 433 Environmental Systems & Control

BIOE 240 Principles of Environmental Science

CIVL 270 Introduction to Environmental Engineering

CHEM 423 Environmental Chemistry

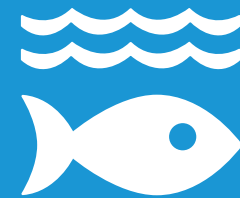


UAEU students, among the six finalists, have developed an innovative solution, Sustainable Builders, for a cleaner environment, promoting the circular economy, and encouraging youth empowerment as part of the Swiss – Middle East Circular Economy for Youth Initiative (SMECEYI).

"[Sustainable Builders](#)" is a mobile application where recycling companies and other interested stakeholders can find excess construction waste and contact the seller to reuse it. It is a platform that creates a space for all interested stakeholders to share information and manage such excess materials.



14 LIFE
BELOW WATER



Conserve and sustainably use the oceans, seas and marine resources for sustainable development

The Bachelor program in Marine Fisheries and Animal Science encourages students to excel in a wide range of animal science specializations that are highly relevant to food security in arid lands. Students are provided with up-to-date theoretical information, and receive intensive practical training in well-equipped laboratories, on UAEU's experimental stations, and through internship opportunities.

UAEU researcher working on PET plastic, a major ocean pollutant, to a high-value product with commercial applications

The Department of Integrative Agriculture is collaborating with researchers from the James Cook University in Queensland, for the development of the Marine Innovation Park in Umm Al Quwain.

UAEU volunteer team program to clean the seashore of Abu Dhabi and providing natural habitat for sea turtles to lay eggs.



14

Life Below Water

[UAEU Researchers Prioritise Oceans' Health:](#) With climate change and global warming impacting the earth's ecosystem at a rapid pace, UAEU researcher focuses on a particular group of fish called elasmobranch (sharks and sting rays)

UAEU Khalifa Center for Genetic Engineering & Biotechnology Researchers discover salt-tolerant genes in [microalgae](#)



Academic Program :

Bachelor of Science in Marine Fisheries and Animal Science

Courses

GESU 121 Sustainability

ARAG 205 Introduction to Fish & Animal Science

ARAG 230 Principles of Fisheries Management

ARAG 325 Fisheries Management and Conservation

ARAG 424 Fish Breeding and Propagation

ARAG 425 Shellfish and Molluscan Aquaculture

ARAG 326 Mariculture

ARAG 426 Aquatic Ecology

ARAG 430 Fisheries Stock Assessment

ARAG 433 Fish Nutrition

GEO 411 Oceanography

BIOE 454 Marine Biology

UAEU Student Life Deanship organizes the Mangrove tree planting as part of the Civic Engagement Program "Green Balloon" in association with AZRAQ



66




**Publications in
Scopus
(2017-2021)**

7

**Student research
projects
addressing
SDG 14
Funded**

1

**in UAE based
on the number
of Scopus
publication
(2017 to 2021)**

An underwater photograph showing a jellyfish in the foreground, slightly out of focus, with its bell and tentacles visible. The background is a deep blue water surface with sunlight filtering through, creating a shimmering, dappled light effect. The overall scene is serene and aquatic.

The 1,600-square-metre unit includes 4 greenhouses with 16 fiber glass tanks for fish and 16 for plants. Each greenhouse holds 4 lines of the 24-meter tanks. The main fishes are Tilapia, a prodigious breeder, with a 1-kilogram female producing about 5,000 eggs every four to six weeks and catfish produces 2,000 eggs twice a year.

Examples of areas of research interest and services are:

- Growth and reproductive performance of freshwater fish.
- Nutrition of freshwater fish and water quality in recirculatory system
- Aquaculture technologies for desert environments and high temperature
- Studies on freshwater ornamental fish
- Training on fresh water aquaculture in recirculatory system
- Aquaculture extension services in UAE

The foundation of the Aquaculture Research Station in 2013 was an important step toward the establishment of sustainable agriculture research capacity in UAEU. It also provides excellent educational and extensional services.



15 LIFE
ON LAND





15

Life on Land

The UAEU researchers has conducted studies of coastal and inland habitats, their relationships with wildlife, search for food, and wildlife behaviour. These studies provide societies with knowledge in order to develop wildlife conservation plans.

Researchers from the Ecology department are concentrating on modeling species distribution across the ecosystems of the UAE as a function of future climate change. On the basis of the existing environmental circumstances, they examine the major plant species and determine their optimal habitat.

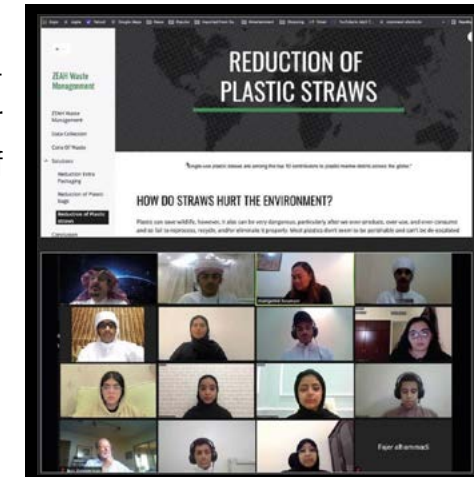
To enhance the country’s strategic efforts to combat desertification, CAFU, a leading company in technology services, has signed a research partnership agreement with the United Arab Emirates University to conduct in-depth research on the successful cultivation and plantation of Ghaf tree seeds in harsh climatic areas such as the desert environment in the UAE.

UAEU researcher studied the use of [satellite remote sensing](#) and climate data to predict the potential habitat distribution of *Prosopis cineraria* in the UAE

Utilization and conservation of local and animal genetic resources is an hot research topic in UAEU.

The UAEU focused on Innovative concepts for installing and maintaining of urban greenery

I-Mentoring students present their work to a panel of experts



Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss



Minor in Ecological and Environmental Biology
Ecology and Organismal Biology Concentration
Crop Production and Organic Farming Concentration

Courses

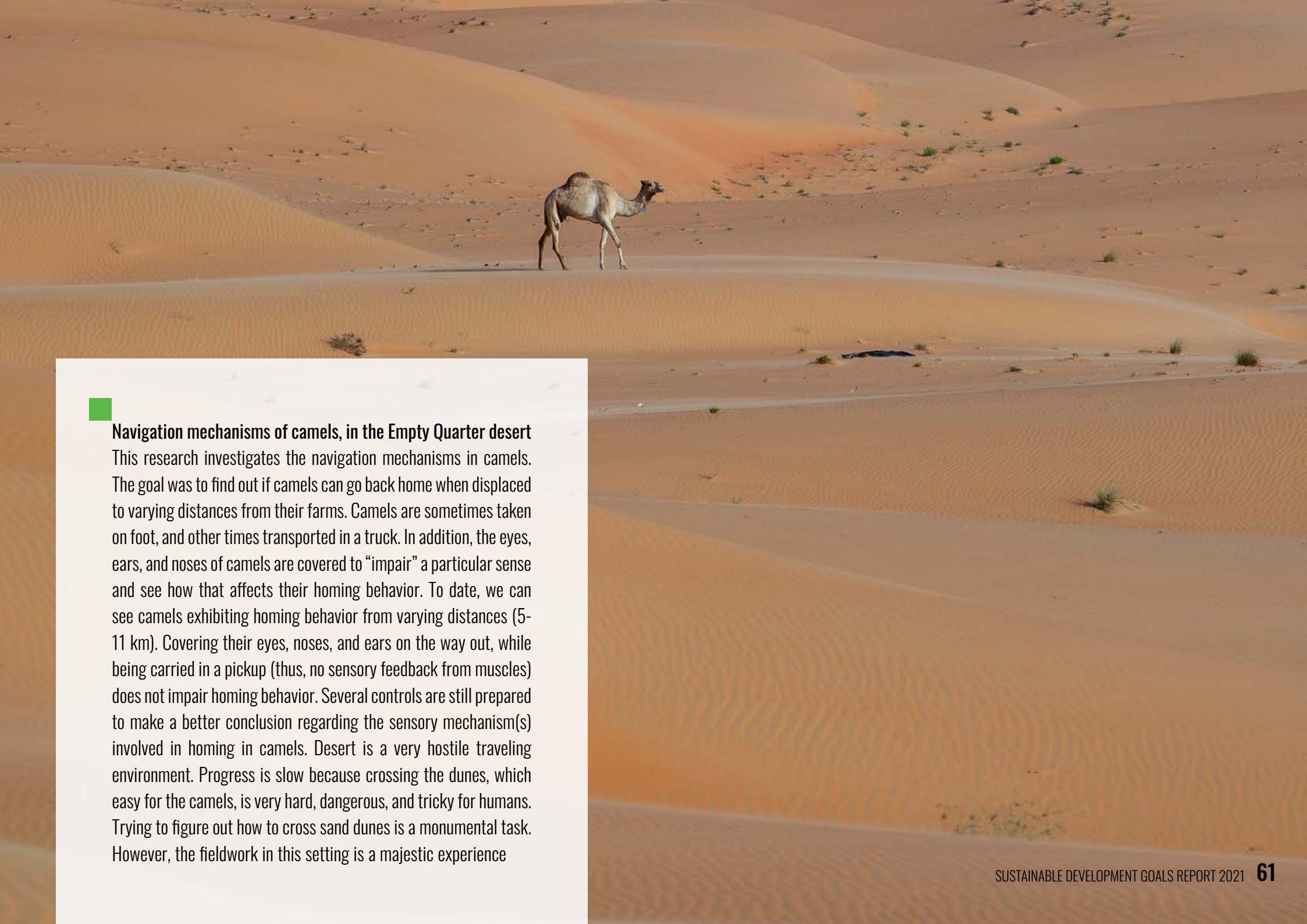
- BIOC 250 Basic Ecology**
- BIOE 250 Biodiversity and Evolution**
- BIOE 310 Insect Diversity, Ecology, and Systematics**
- BIOE 320 Population and Community Ecology**
- BIOE 330 Diversity and Biology of Fungi**
- BIOE 340 Biology and Diversity of Mammals**
- BIOE 380 Desert Ecology**
- BIOE 391 Field Ecology**
- BIOE 390 Wildlife & Rangeland Management**

1
**in UAE based
 on the number
 of Scopus
 publication
 (2017 to 2021)**

68

**Publications in
 Scopus
 (2017-2021)**

- ARAG 401 Sustainable Agriculture in Arid Lands**
- ARAG 402 Woody Plants in the Landscape**
- ARAG 451 Landscape Management for Arid Lands**
- ARAG 454 Landscape Design**
- ARAG 408 Survey of Plant Communities in Arid Lands**
- ARAG 455 Nursery and Greenhouse Operations**
- ARAG 305 Principles of Organic Horticulture**
- ARAG 404 Vegetable Production in Arid Lands**
- ARAG 407 Design of Organic Production System**
- ARAG 452 Palms and Dates**
- ARAG 410 Fruit Production in Arid Lands**
- GEO 402 Land Use**
- GEO 412 Geography of Arid Lands**



Navigation mechanisms of camels, in the Empty Quarter desert

This research investigates the navigation mechanisms in camels. The goal was to find out if camels can go back home when displaced to varying distances from their farms. Camels are sometimes taken on foot, and other times transported in a truck. In addition, the eyes, ears, and noses of camels are covered to “impair” a particular sense and see how that affects their homing behavior. To date, we can see camels exhibiting homing behavior from varying distances (5-11 km). Covering their eyes, noses, and ears on the way out, while being carried in a pickup (thus, no sensory feedback from muscles) does not impair homing behavior. Several controls are still prepared to make a better conclusion regarding the sensory mechanism(s) involved in homing in camels. Desert is a very hostile traveling environment. Progress is slow because crossing the dunes, which easy for the camels, is very hard, dangerous, and tricky for humans. Trying to figure out how to cross sand dunes is a monumental task. However, the fieldwork in this setting is a majestic experience



16 PEACE, JUSTICE
AND STRONG
INSTITUTIONS





Peace and Justice Strong
Institutions.

Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels

■ Coinciding with the Year of Zayed, the College of Law at the United Arab Emirates University (UAEU) organized a seminar titled 'Zayed: The UAE Statesman' with the Prof. Mohamed Hassan Ali, Dean of the College of Law and a number of faculty members and students in attendance. The seminar started with a video presentation showing memorable quotes by the late Sheikh Zayed bin Sultan Al Nahyan, and his adoption of equality and justice as basis of the UAE leadership in making economic, social and humanitarian decisions. This was reflected in his support of the federal judiciary and promoting its independence. The UAE has become an example of achieving equality and justice among all spectra of society, demonstrating the UAE's experience, being a model country for security and safety, and a favorite global destination for all nationalities to work and live in a country that practices rule of law.

74



**Publications in
Scopus
(2017-2021)**

1

**in UAE based
on the number
of Scopus
publication
(2017 to 2021)**

UAEU Center for Public Policy and Leadership (CPPL) is a specialized academic and research unit serving the governmental institutions, federal and local, alongside the private sector, by providing effective solutions and innovative approaches towards various governance issues. The research agenda of the Center focuses on issues related to public policy and leadership in the UAE that includes:

- Economic policies
- Social policies
- Labor policies
- Media policies
- Security policies
- Health policies
- Education policies
- Governance programs and government excellence

UAEU researcher studied the role of security spending to regaining international tourism attractiveness after an armed conflict

The College of Law at UAEU has honored the winners of the “Moot Court” competitions in its fifth session, in the presence of Prof. Muhammad Hassan, Dean of the college, faculty and students. It is a legal scientific competition for law students, aiming at enhancing students’ skills in drafting legal memos and judicial advocating, as well as the competition included a proposed case that students should search for solutions to investigate its components and present their legal arguments in it.

Academic Programs:

- Bachelor of Law
- Doctor of Philosophy in Law
- Master of Private Law
- Master of Public Law
- Bachelor of Arts in Political Science
- Minor in Citizenship
- Minor in Political Science
- Minor in Family Studies



Office of Legal Affairs & Policy

Provided legal opinion and legal representation through three main units:

- Litigation Unit
- Contracts and Agreements Unit
- Legislation and Policy Unit



17 PARTNERSHIPS
FOR THE GOALS



Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development

NWEC of the UAEU in collaboration with Environmental Agency Abu Dhabi completed the project Oil and Gas Produced Water in Abu Dhabi Emirate: Assessment, Treatment and Reuse

A global partnership between United Arab Emirates University and [University of California](#), Berkeley, USA to conduct research in nanoscience and materials science

The United Arab Emirates University is supporting the clinical trial of the innovative COVID-19 vaccine created by the Gamaleya Institute of Epidemiology and Microbiology in Russia. This human adenoviral vector-based vaccine is the first of its kind to receive global approval.

UAEU researchers launch '[SciKids](#)' with [Oxford University](#) to improve Emirati childrens' understanding of the Nature of Science



17

Partnerships to achieve the Goal

UAEU is a founding member of the [Asian University Alliance](#), a consortium of top-ranked Asian Universities. The Asian University Alliance offers exchange programs for faculty, students and staff. UAEU developed joint research program with AUA Universities and every year UAEU announces competitive research funding opportunities

The National Space Science and Technology Center was developed in cooperation between UAEU, the UAE Space Agency, and the Telecommunications Regulatory Authority (TRA). As a representative of UAE in International Space Cooperation Organization, [NSSTC](#) of the UAEU is a member of the International Committee on Space Research (COSPAR)

UAEU announces six research projects in cooperation with [Chinese Academy of Sciences](#)

A leading provider of technology services, [CAFU](#), and the United Arab Emirates University have entered into a research partnership agreement to conduct in-depth research on the successful cultivation and planting of Ghaf tree seeds in challenging climates like the desert environment in the UAE. This will improve the nation's strategic efforts to combat desertification.

College of Law at UAEU in cooperation with McGill Institute of Air and Space Law at McGill University, Canada, organized International Annual Conference on the Legal Aspects of the Usages of Outer Space: Opportunities & Challenges

College of Law in collaboration with Eversheds Sutherland (International) LLP, UK, held a lecture titled 'Companies Acquisition in UAE' delivered by Christine Khoury, a Legal Advisor and a Senior Associate in Eversheds' Sutherland (International) in Dubai.

UAEU launched Dual Award PhD Program in Chemical Engineering with [Katholieke Universiteit \(KU\) Leuven](#)

UAEU announces scientific research partnership on Russian COVID-19 vaccine '[Sputnik V](#)'

The College of Medicine and Health Sciences at the UAEU has signed a Memorandum of Understanding with [Burjeel Hospital & "VPS Healthcare"](#) to enhance cooperation between the two institutions in the fields of medicine, academic research and health care. The partnership will employ students, and develop specialized training programs for them.

The United Arab Emirates University to Launch the "[International Conference on Engineering Geophysics](#)" Virtually on the 25th of October

The [Milan-based Arexpo](#) signed a MOU with UAEU SIP to providing visibility and reciprocal access to innovative start-ups and businesses, including participation in acceleration programs and investment plans.

The 2nd [UAE-France Forum](#) held at the United Arab Emirates University

The United Arab Emirates University announced the launch of the "[KHIBRA](#)" program, the first of its kind in the Middle East, to train students and guide them in various aspects of work by the university-experienced graduates specializing in their leadership, administrative and technical fields

68.1%

Publications
Through
International
Collaborations

31

New MOUs
and Agreements
in 2021

4794

Co-Authored
Publications
(2017 -2021)

3822

Collaborating
institutions
(2017 -2021)

The United Arab Emirates University organizes the [#LearningPlanet Walkathon](#) initiative in conjunction with the World Education Day

UAEU provides [free online courses](#) in collaborations with edX

UAEU organizes a virtual symposium on ["Research Collaboration"](#)



A team of researchers from the United Arab Emirates University and Akita University in Japan are developing a new technology for [Ceramic Membrane-based Produced Water Treatment \(CMPWT\)](#)



UAE University hosts the Times Higher Education [Emerging Economies Summit](#)

The National Water and Energy Center organized a webinar on "Renewable Energy and Water Sustainability for UAE Community"

UAEU hosted 24th Annual International Conference on Electronic Theses and Dissertations at the [UAEU Pavilion at Expo 2020 Dubai](#)

UAEU جامعة الإمارات العربية المتحدة
 United Arab Emirates University
 National Water and Energy Center

يسر المركز الوطني للمياه والطاقة بجامعة الإمارات العربية المتحدة دعوتكم لحضور ندوة عبر الإنترنت عن "الطاقة المتجددة واستدامة المياه"

The National Water and Energy Center, United Arab Emirates University is pleased to announce a Webinar on "Renewable Energy and Water Sustainability"

The Webinar will be held
 3:00 – 5:00 pm, Wednesday, Feb 24th, 2021
 Attendance is open for the University Community and Professionals in the field

والتي ستعقد يوم الأربعاء، الموافق 24 فبراير 2021 من الساعة الثالثة إلى الخامسة مساءً. من الدورة متاحة لجميع الجامعيين والمهنيين بهذا الشأن.

The program includes:

3:00 – 4:00 pm: تطبيقات نيج Nexus للإدارة المتكاملة لموارد المياه والطاقة والغذاء.
 Resources: **Prof. Zein Elabidin Ahmed Risk**, Professor of Water Resources and Acting Vice Chancellor for Academic Affairs, University of Science and Technology of Fujairah, UAE

4:00 – 5:00 pm: تخزين الطاقة الحرارية لتحويل صافي طاقة في المستقبل.
 Resources: **Prof. Yulong Ding**, University of Birmingham, UK

The link:
<https://www.uaeu.ac.ae/en/760753302019?auth=760753302019/760753302019/760753302019>
 Webinar ID: 967 5330 2819
 Password: 331911

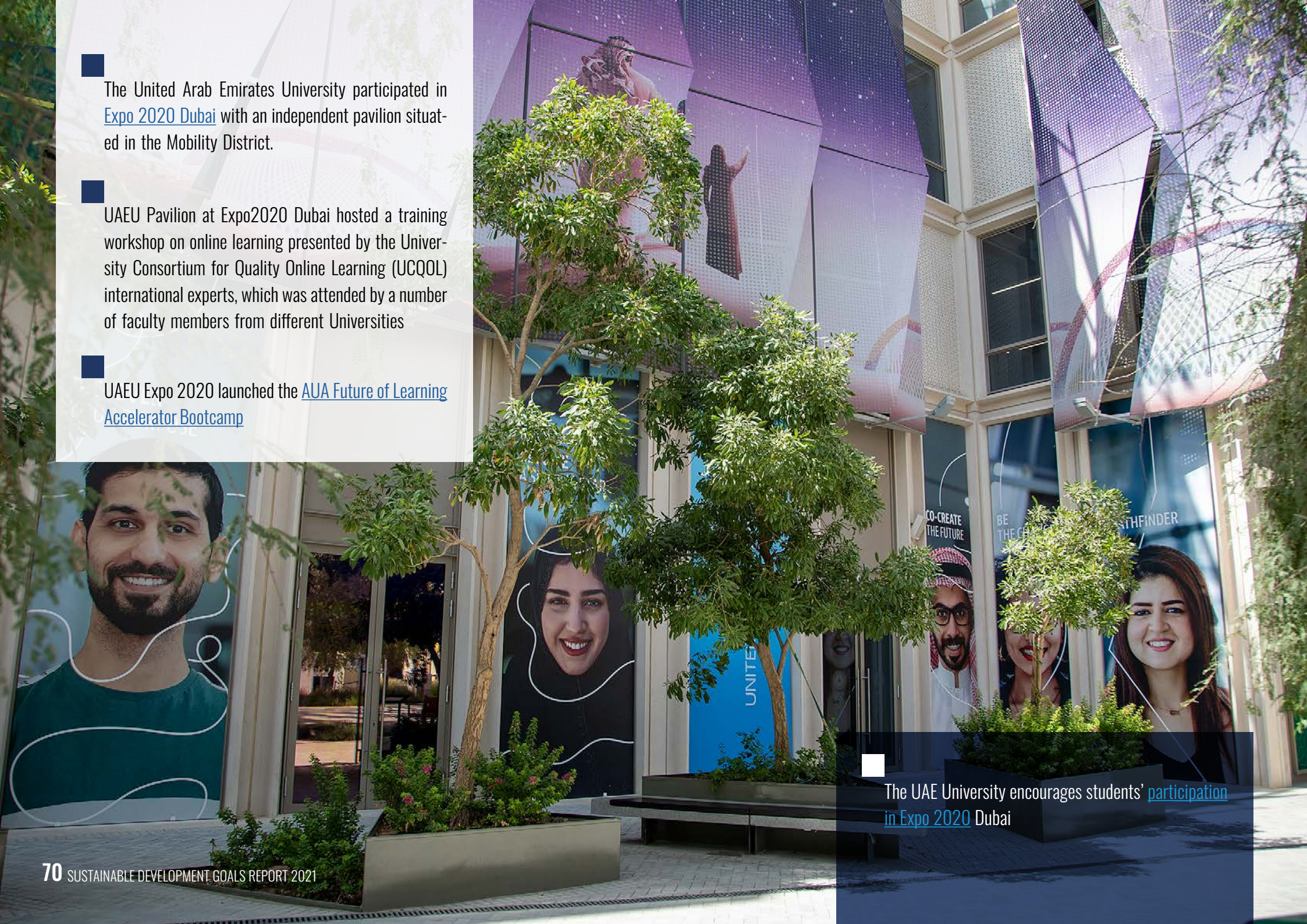
للحصول على التفاصيل معنا على ahmed.sefelnazr@uaeu.ac.ae من أجل معلومات، يرجى الاتصال بنا على



The United Arab Emirates University participated in [Expo 2020 Dubai](#) with an independent pavilion situated in the Mobility District.

UAEU Pavilion at Expo2020 Dubai hosted a training workshop on online learning presented by the University Consortium for Quality Online Learning (UCQOL) international experts, which was attended by a number of faculty members from different Universities

UAEU Expo 2020 launched the [AUA Future of Learning Accelerator Bootcamp](#)



The UAE University encourages students' [participation](#) in Expo 2020 Dubai



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