

University carbon reduction target covering Scope 1 & 2 emissions by at least 2050

In the 2024–2025 academic year, Alexandria University significantly advanced its sustainability and climate action agenda, building on prior initiatives but achieving measurable progress in energy efficiency, renewable energy deployment, green infrastructure, and carbon reduction. The university reported a total electricity consumption of 4,228,995.91 kWh, representing a 6.42% decrease from 2023 to 2024, and a significant 70% reduction in natural gas usage, reflecting the successful implementation of energy-saving retrofits and transitions to cleaner energy systems. Renewable energy production reached 1,213,291.2 kWh/year, accounting for 28.69% of total electricity use, driven by the expansion of solar installations and hybrid systems across faculties.

Alexandria University is advancing a dual-track sustainability initiative comprising a rooftop photovoltaic installation and a Fab Lab for circular economy innovation. The solar component, targeting approximately 200 m² of suitable roof space (net usable area: 196 m² after accounting for 3% service access), will deploy a 1.5-ton system generating an estimated 37,700 kWh annually under Alexandria’s mean global horizontal irradiance of 5.2 kWh/m²/day, factoring in 20% panel efficiency and a 0.75 performance ratio to account for system losses. Concurrently, the university hosts a trans-Mediterranean Fab Lab project, co-developed with Horizons Solidarités and the University of Corsica, to establish a low-tech innovation hub focused on the valorization of plastic waste. This initiative aligns with Egypt’s COP27 legacy and the regional “Zero Plastic Waste” strategy endorsed by the IUCN Med. This initiative integrates environmental, educational, and socio-economic dimensions through cross-sectoral collaboration involving Alexandria Governorate, the Alexandria Business Association (ABA), and Francophone academic partners, aiming to foster inclusive innovation, skill development, and scalable circular business models while embedding long-term monitoring frameworks to evaluate technical, financial, and social impact metrics.



Solar photovoltaic



Algae Cultivated In Flat Panel Photo-Bioreactor, Med-Algae Project (Faculty of Science, Alexandria University)



Open Ponds with running algal cultures, Med-Algae Project (Faculty of Science, Alexandria University)

Energy Efficient Appliances Usage

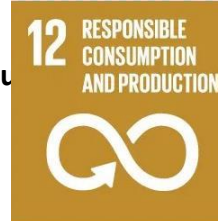
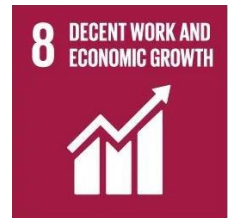
Alexandria University intends to realize further energy savings by paying close attention to energy management. All the faculties and institutes of the university realize their own energy-saving potential by means of LED lighting and the deployment of sustainable technology.

Alexandria University Project on using LEDs as Energy-Efficient Bulbs

Within the framework of the University's keenness to transform into a green, environmentally friendly university that works to enhance its resources and rationalize energy consumption, the Department of Community Service Development has launched a project for the total transformation of the used LED bulbs instead of the fluorescent ones.

The light-emitting diode (LED) bulbs are more efficient, and energy-saving compared to fluorescent bulbs, with a relatively longer life span.

The project has been implemented in phases since 2019 based on the preparation of an inventory of the total numbers needed for all faculties and institutes of the university. The first quarter, the numbers required, which represents the types of 60 cm, 120 cm and 9 watts' bulbs, has been spent and installed, which are almost 30%. In parallel, appropriate measures were taken to dispose of the lost fluorescent lamps through one of the companies concerned with safe disposal. The second step required the purchase and transformation of 37% of the total needs of the faculties and institutes of the university. The third step required the purchase and transformation of 25% of the total needs of the faculties and institutes of the university. During the last phase, the transformation of all remaining LED bulbs was performed (detailed in evidencefile 2.1).



Alexandria University Program to reduce Electricity consumption from Air Conditioners and electric devices such as Computers, printers, photocopiers, surveillance cameras.

1. All newly purchased AC are inverter AC to reduce the electricity consumption.
2. The new electric devices such as Computers, printers, photocopiers, surveillance cameras are energy efficient devices.
3. All electronic devices must be shut down at night, when not used.
4. Passive Infrared (PIR) Sensors were implemented in some Faculties for motion-activated lighting to detect changes in heat signatures when someone or something moves within the sensor's range. These sensors will be implemented in phases in for all faculties and institutes of the university.
5. Regular Maintenance of all devices.

6. The thermostats of the air conditioner are set at 25°C, and direct sunlight is avoided by using sun protection curtains.

Solar Energy Center at the Faculty of Agriculture (Alexandria University)

Hybrid Renewable Energy Systems to Supply Services in Rural Settlements of Mediterranean Partner Countries.

The services provided by the center:

- 1) **Research and development:** Encouraging applied research on renewable energy at AU and through collaborations with other national and international universities. Development of hybrid systems in renewable energy and its uses in water pumping and water desalination and development of remote and desert areas. Development of research in energy from biomass and waste. Development of thermal uses of solar energy.
- 2) **Consultations:** Various consultations in renewable energy systems, especially hybrid systems, drying and solar heating.
- 3) **Education and Training:** Supporting the renewable energy education at AU. Developing and delivering courses, e-learning, workshops, training courses, and conferences on various renewable energy systems.
- 4) Serving the Egyptian community by providing all renewable energy information to the public.

Equipment at the center:

- 1) The center has many devices for different applications of renewable energy.
- 2) A hybrid system to generate electricity from the sun with a capacity of about 130 kilowatts.
- 3) E-learning courses on the site.

Renewable Energy Sources in Campus

The Faculty of Agriculture has 2 renewable energy centers and on center at the main building of the University.

- 1) The renewable Energy Center in Wadi El-Natroun. There are two units from the network:

- 7 kw hybrid unit for photovoltaic cells and 5 kw for air turbine.
- 50 kw hybrid unit for photovoltaic cells and 50 kw for air turbines (under

maintenance). They are all used in student training and research for graduate students and faculty members.

- 2) The renewable Energy Center at the Agriculture Research and Experiments Station in Abis Campus.
 - The capacity of the center is 130 kw/h connected to the electricity grid.
- 3) The renewable Energy Center at the main building of the University.
 - The capacity of the center is 20 kw/h connected to the electricity grid.



Solar Energy Center at the Faculty of Agriculture (Alexandria University)



Solar Energy Center at the Faculty of Agriculture (Alexandria University)

University administration building

The project of "supplying, installing and operating the photovoltaic solar plant with a capacity of 20.1 kW above the administration building of Alexandria University in Shatby was launched by the Arab Renewable Energy Company, on 2/14/2020. The capacity of the station per month is 20.1 kW, while the capacity consumed from the building is 255 kW / month, meaning that the station provides within 8% of the total monthly consumption. Total Solar energy per year = **241.2 KWh**.

Higher Institute of Public Profession

The Institute has two initiatives to exploit solar energy at the Institute through two units of photovoltaic

cells (50 watts each) that are currently installed and are exploited to provide the electrical energy necessary to operate the Ultra- Filtration unit located in one of the laboratories of the Department of Materials Science for educational purpose.

Moreover, five units of photovoltaic cells (260 watts each) were installed to operate the discussion room at the Institute and to provide it with sufficient energy for lighting purposes and to operate its display device. Total Solar energy per year
= **360 KWh.**

The Faculty of Engineering

The implantation of the new Solar Station is completed. The implementation of the solar photovoltaic panels was performed in December 2022 with a capacity of **220** kilowatts on the 2000 m² roof top of the building of the Mechanical Engineering Department at the Faculty of Engineering.

Alexandria University have generalized this initiative in some of the faculties of Alexandria University in gradual stages.



Solar photovoltaic with a capacity of 220 kilowatts on the 2000 m² roof top of the building of the Mechanical Engineering Department at the Faculty of Engineering

Green buildings of Alexandria University are designed to reduce environmental impact through efficient use of resources and sustainable practices. The main elements of green building include:

- Site Selection,
- Landscaping and plantations,
- Water Efficiency (Water Conservation, Rainwater Harvesting, and Greywater Recycling),
- Energy Efficiency (Integrating Renewable Energy, and Lighting systems: Installing energy-efficient lighting systems such as LED)
- Waste Management (waste reduction, and composting).

Energy Efficiency

- Integrating solar and wind energy sources into building design reduces reliance on non-renewable resources.
- Installing systems that optimize ventilation with minimal energy consumption.
- Automated lighting systems that respond to occupancy or time of day.
- As for energy, all the buildings have solar energy generation cells to provide part of the building's needs, which are estimated at about 45%, in addition to using energy-saving lamps (LED).
- The public site lighting poles are powered by solar energy.

2. Sustainable Materials: Incorporating materials like recycled steel, concrete, or reclaimed wood.

3. Indoor Environmental Quality

- Maximizing the use of daylight to reduce artificial lighting and improve occupant well-being.
- Ensuring adequate ventilation and using non-toxic building materials to maintain clean indoor air.
- Designing spaces to maintain comfortable temperatures naturally through insulation and proper orientation.

4. Site Selection and Sustainable Landscaping: The area of the project is 160 acres (667,730.988 m²), a general site for educational buildings, and 120 acres are complementary activities. The percentage of green areas and lake is about 52% in addition to 25% streets and lanes.

5. Water Efficiency and Reduction

- Water-saving plots are used, which will reduce water consumption by about 30%. The sewage water will be treated and reused in the irrigation of green areas in the project.
- Rainwater is collected in the main lake and used for irrigation.
- The use of plants with few water rationed plants to reduce irrigation needs in addition to absorbing quantities of rainwater to reduce the severity of rain spells.
- Air conditioning water collection and reuse unit in Faculty of Engineering.
- Wastewater treatment unit at the Faculty of Engineering.
- Reusing wastewater from sinks, showers, and laundry for irrigation or flushing toilets.
- Using drip irrigation and other systems that minimize water use.

6. Sustainable Transportation: Proximity to Public Transport: Locating buildings near public transit hubs to reduce the need for private vehicle use.

Alexandria University Program to reduce Electricity consumption from Air Conditioners and electric devices such as Computers, printers, lab apparatus.

1. All newly purchased AC are inverter AC to reduce the electricity consumption.
2. The new electric devices such as Computers, printers, lab apparatus are energy efficient devices.
3. All electronic devices must be shut down at night, when not used.
4. Regular Maintenance of all devices.
5. The thermostats of the air conditioner are set at 25°C, and direct sunlight is avoided by using sun protection curtains



Energy Efficient Appliances Usage: Use of LED lighting and lamps (New Abbes Campus, Alexandria University)

Alexandria university program to reduce the use of paper and plastic in campus.

1) Development of electronic archiving system; the university faculties and the main campus are moving toward the electronic archiving system to reduce paper consumption.

2) University decree to reduce the use of paper in the campus:

2.1 : The president decree to use the e-mails for communications inside the campus and between the university main campus and all the other campuses.

2.2 : In the situations, the university or any of its faculties need to print the official documents; this has to be on recycled paper (2 faces copy).

2.3 : The University formulated a community for administrative reform to minimize the administrative processes and decrease the use of papers except in who are relevant to financial process.

3) Digital transformation toward electronic exams to reduce paper consumption.

4) Digital transformation toward electronic course to reduce paper consumption and books printing.

5) Electronic administration of student courses by about 50% instead of written

administration to reduce paper consumption.



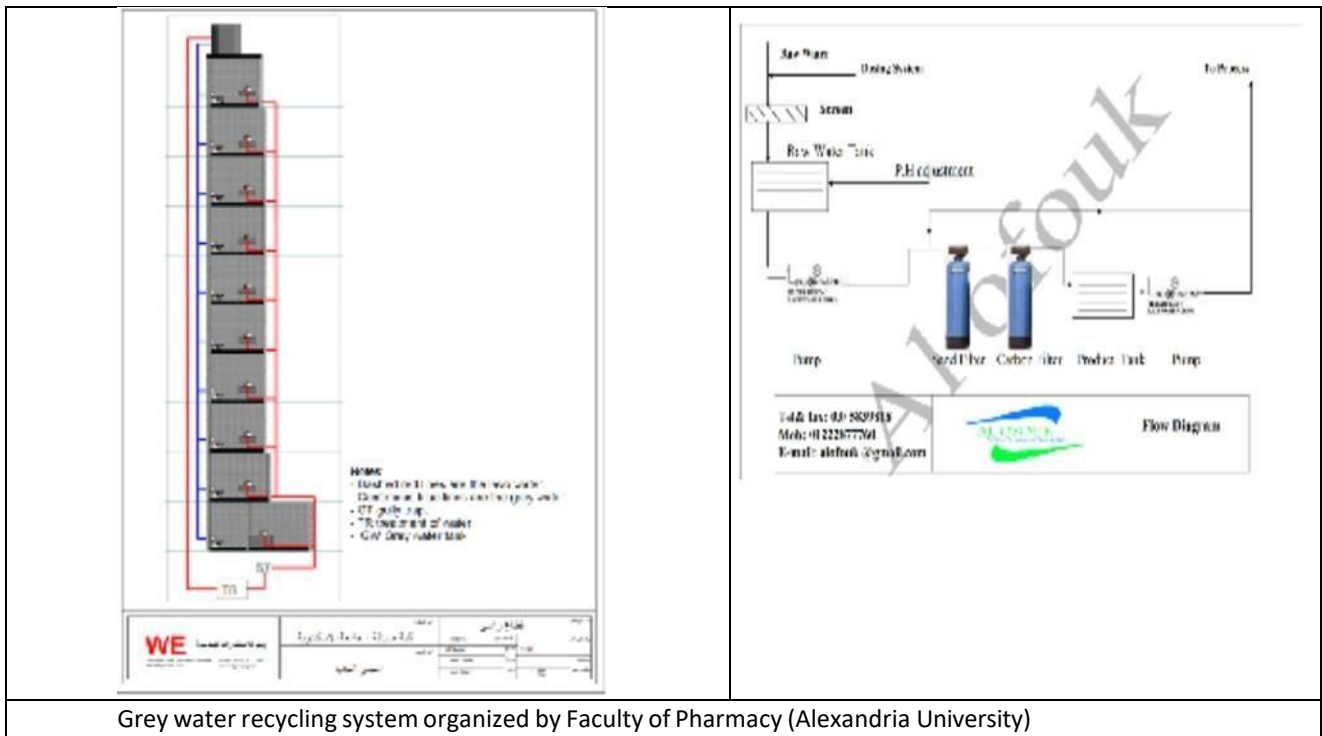
The University has applied a strategy in the faculties to decrease water consumption through installation of special parts on water taps, showers, toilette, and bathroom bidet which can conserve about 50% of water consumption. Water saving devices are used instead of traditional devices. For example, the use of a hand-washing faucet with automatic control via a sensor, and high-efficiency bathroom devices. Supplying water taps with water conservation units. Adopting a mechanism to

maintain water pipes to prevent waste resulting from leaks.

In addition, a policy for the reduction of purchased water was implemented in Abis Campus 1) Water-saving plots are used, which will reduce water consumption by about 30%. The sewage water will be treated and reused in the irrigation of green areas in the project. 2) Rainwater is collected in the main lake and used for irrigation. 3) The use of plants with few water rationed plants to reduce irrigation needs in addition to absorbing quantities of rainwater to reduce the severity of rain spells.

Also, faculty of Pharmacy is seriously seeking to implement a grey water (wastewater) recycling system that depends on reusing wastewater from sewage basins only (without using wastewater from laboratory basins) by re-pumping it into the flushing bins in the toilets after work. Filtration and primary treatment and taking advantage of rainwater for use in irrigation and regulatory operations.

These GHG sources are reduced by Ride Share using the University Shattle and Carpool, by the decrease of burning of fuels. In addition, the use of bicycles reduces the GHG source. An application was developed for smart phones, by the students at the Faculty of Pharmacy- Alexandria University that enables faculty members to share cars for transportation in a safe manner (Green Cycle project). In addition, regular vehicle maintenance is performed to reduce greenhouse gas emissions.



Grey water recycling system organized by Faculty of Pharmacy (Alexandria University)

The General Framework for Digital Transformation at the University and the Center and Units for Measurement, Evaluation, and E-Learning as a Practical Example of Digital Transformation for that Purpose.

- 1- Alexandria University began its serious efforts to develop processes in preparation for their digitization in 2017, where a committee for development, monitoring, and administrative reform was established to analyze processes, eliminate waste, and conserve university resources. The committee also examined the merging and unification of documents for the various processes at Alexandria University and its faculties. The digital transformation of the measurement and evaluation system at Alexandria University began in 2018.
- 2- The Education Development Projects Management Unit funded four projects before 2018 to establish measurement and evaluation units.
- 3- Three additional projects were funded after 2018 for the digital transformation of evaluation

processes in three faculties. The university also completed the digital transformation in the remaining faculties through its own efforts, utilizing resources from the electronic testing project. The total funding for the most recent project was 3,799,519 EGP, and the outcomes have reached an advanced level in areas such as question banks and the use of modern applications in practical exams.



Electronic Exam Halls at the Faculty of Medicine (Alexandria University, EGYPT)

Public Awareness and Behavioral Change through Educational Campaigns. This is accomplished by raising awareness about the importance of reducing GHG emissions and the role individuals can play in everyday actions, such as reducing energy use, recycling, and adopting sustainable transport.

Number of innovative program(s) in energy and climate change & Impactful university program(s) on climate change

1- The Faculty of Agriculture has 2 renewable energy centers and one center at the main building of the University.

2- Solar Energy Center at the Faculty of Agriculture (Alexandria University): (Previously presented)

3- The Faculty of Science:

Research Project: Development and implementation of decentralised solar-energy-related innovative technologies for public buildings, in the Mediterranean Basin

4- The Faculty of Science:

Research Project: Production of Bio-Diesel from Algae in Selected Mediterranean Countries: Med-Algae Project

5- Smart Environmental Management of Climate Change in collaboration with Catania University, Italy 2 year Postgraduate Master program (4 semesters).

AdapTm-Erasmus project: The participating countries and Universities: Italy, Greece, Lithuania, Slovenia, Egypt (Alexandria University, Suez Canal University, South Valley University, Arab Academy for Science and Technology and Maritime Transport).



5



Smart Environmental Management of Climate Change Master Program (Alexandria University, Egypt)

6



Sustainable Management of Fisheries and Aquaculture Science Master Program (Alexandria University, Egypt)



M.Sc. in:
Natural Resources Sustainability for Land Development (NRSLD)
Under the framework of SuReMap project
(Sustainable Resource Management Programme to solve Deserted Challenges)

SuReMap Project:

Aims to establish interdisciplinary programs that train students to address water, energy & food-related challenges in "Egypt's 2030 strategy".

NRSLD is an outcome of the SureMap Erasmus+ project that includes a consortium of 8 Egyptian and European universities. The program is cooperatively designed by the consortium, therefore; it has the advantage of the international and interdisciplinary perspective, European framework of recognition, and benefits from a wide network of participating professors from the following universities: RWTH Aachen, Heliopolis University, Alexandria University, CITY College – Sheffield University, The American University in Cairo, University of Palermo, Aswan University, and Technical University of Madrid.

Program Vision:

NRSLD program aims to prepare students with the knowledge and experience for the management and sustainable development of drylands' natural resources in the local, regional, and international related sectors.



Program Mission:

The Faculty of Science through NRSLD program seeks to qualify the graduates to be competitive at local, regional, and international levels, by creating an appropriate educational environment and fostering ethically, scientifically, and professionally sound approaches that enable graduates to serve the community and the institutions closely related to sustainable development plans.



Natural Resources Sustainability for Land Development Master Program (Alexandria University, Egypt)

6-Sustainable Management of Fisheries and Aquaculture Science, in collaboration with University of Aveiro, Portugal.

2 year Postgraduate Master program (4 semesters).

(Erasmus+ Project, European Union): The participating countries and Universities: Portugal (University of Aveiro), Italy, Croatia, Slovenia, Egypt (Alexandria University, Aswan University, Matrouh University, Arab Academy for Science and Technology and Maritime Transport).

Program start date: year 2021

7-Natural Resources Sustainability for Land Development in collaboration with Aachen University, Germany

2 year Postgraduate Master program (4 semesters).

Erasmus+ Project, European Union: The participating countries and Universities: Germany (RWTH Aachen), Egypt (Alexandria University, Heliopolis University, the American University in Cairo, Aswan University), Cyprus (CITY College – Sheffield University), Italy (University of Palermo), Spain (Technical University of Madrid).

Program start date: year 2022

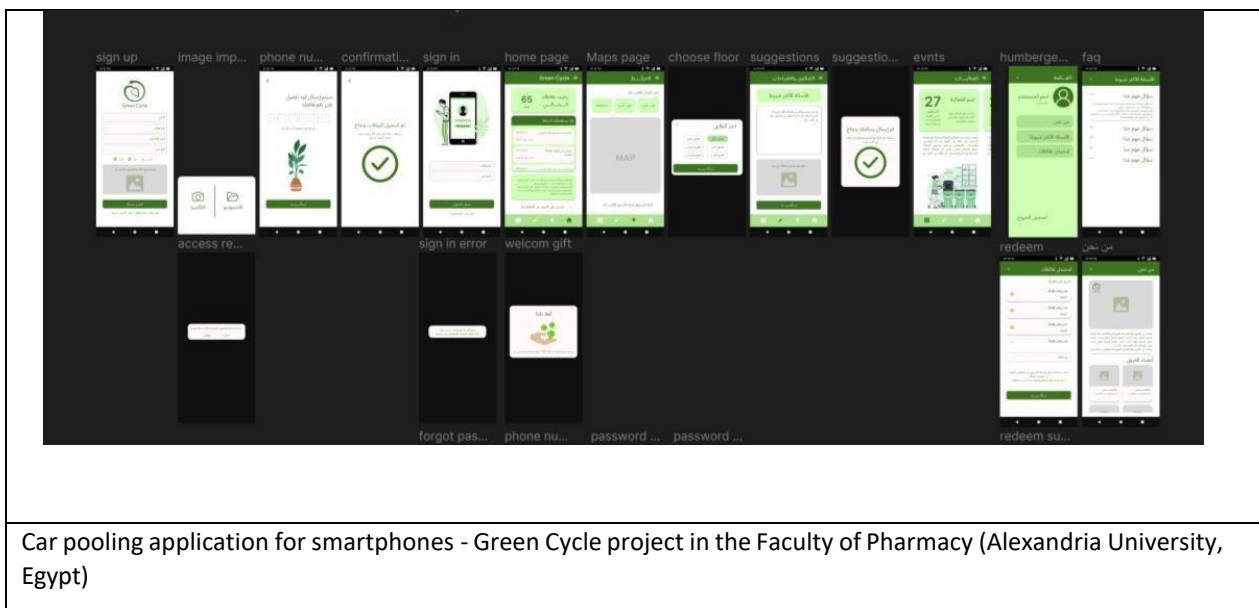
8-The Faculty of Engineering - Alexandria University

The implantation of the new Solar Station is completed. The implementation of the solar photovoltaic panels was performed in December 2022 with a capacity of **220** kilowatts on the 2000 m² roof top of the building of the Mechanical Engineering Department at the Faculty of Engineering.

Alexandria University have generalized this initiative in some of the faculties of Alexandria University in gradual stages.

9-Green Cycle project in the Faculty of Pharmacy - Alexandria University

Within the framework of the Faculty of Pharmacy's tireless endeavour to meet the needs of the community inside and outside the university and to contribute to solving contemporary health, social and economic problems, in line with the vision of Alexandria University, which is based on the principles of comprehensive quality and continuous and sustainable development, in harmony with the state's development plan "Sustainable Development Strategy: Egypt Vision 2030": The college is advancing the "Green Circle" project, which is a non-profit project that seeks to keep the environment clean and green in a sustainable way by growing plants to increase green spaces, as well as separating waste for recycling and establishing charitable markets to benefit from used clothes and use electricity-saving alternatives such as energy saving lamps.



Project goals:

1. Spreading awareness of the need to maintain the cleanliness of the Faculty of Pharmacy campus.
2. Spreading green spaces and landscaping on the campus of the Faculty of Pharmacy.
3. Reuse of wastewater from septic tanks only by pumping it back into the flushing bins of the toilets after primary treatment.
4. Taking advantage of rainwater for use in irrigation and regulatory operations.
5. Reducing the individual carbon footprint of students, faculty members and college employees by developing an application, prepared for smart phones, specific to the project that enables college members to share cars for transportation in a safe manner in order to reduce carbon emissions resulting from car exhausts.
6. Waste recycling, the most important of which is paper collection, as it has one of the highest recycling rates more than any other waste at the University.

Fab Lab Project in the Faculty of Engineering - Alexandria University

The overall goal of the project is to develop the circular and creative economy model by creating an innovation place equipped with machines Low Tech in Alexandria is hosted by Alexandria University. This place will play a role in creating local dynamism Transversal to become a crossroads between different audiences and actors from different backgrounds. To connect waste collection Plastic and its evaluation. Horizons Solidarités and the University of Corsica, in partnership with their peers in Alexandria, based on their experience in Fab Lab Corte, conduct experiments on recreating value for plastic in Alexandria. The goal is to connect all actors from assembly through training to development and dissemination (Discussed in detail in page 23, 24).

The scope of work in the project

- **Environment, climate, and energy**
- **Education, social aspect, and research**

These goals will be implemented through the establishment of a FabLab within Alexandria University, which is a space for innovation. Derives place this innovation is energized by a generation that has innovative ideas in the fields of environment, citizenship, and culture. This revival is embodied in women and the men who are partners in the project. The high skills of Alexandria University and Senghor University, Francophone operator in Alexandria, ensures the long-term commitment of their students and the sustainability of the local dynamism. Implementation benefits from facilities Headquarters provided by Alexandria University Project Engine. VSI contributes to the unification of links between regions. Project depends on the Alexandria Business Association (ABA), a trade organization that invests in creating startups in the circular economy and selling finished products. A multi-representative consortium from both sides of the Mediterranean could be formed from these dynamics that will support the project over time.

The French side confirmed that the Fab Lab at the University of Corsica in France has become a very successful experiment on the economic and environmental levels, and is considered one of the most important strategic projects in France and receives the attention of the French Presidency and the Mediterranean region. The French side explained that it seeks to benefit from the expertise of Alexandria University, and that they are fully prepared. To provide full support for the project and coordinate with the relevant authorities in France for the success of this experiment, which will benefit both sides on the environmental, economic and environmental levels.

Led by the South Region and its partner Alexandria Governorate, this project aims to be part of an inter-regional dynamic with the participation of the **Corsican community**. This project is part of the “Zero Plastic Waste” regional strategy in the Mediterranean. It is also part of the dynamics of the memorandum signed on September 5, 2022 between the region and IUCN Med on the occasion of the World Nature Congress in Marseille, which aims to develop joint actions for the benefit of a Mediterranean region without plastic. On the other hand, this project is part of the context of the twenty-seventh session of the Conference of the Parties held in Egypt. It joins the global effort undertaken by the Egyptian state in order to effectively combat the effects of climate change. Its realization in Alexandria makes it possible to structure a permanent cooperation with the governorate around a symbolic project that will, in the long term, enhance the social impact of research and university cooperation. In addition, this project promotes decentralized cooperation between the three regions.

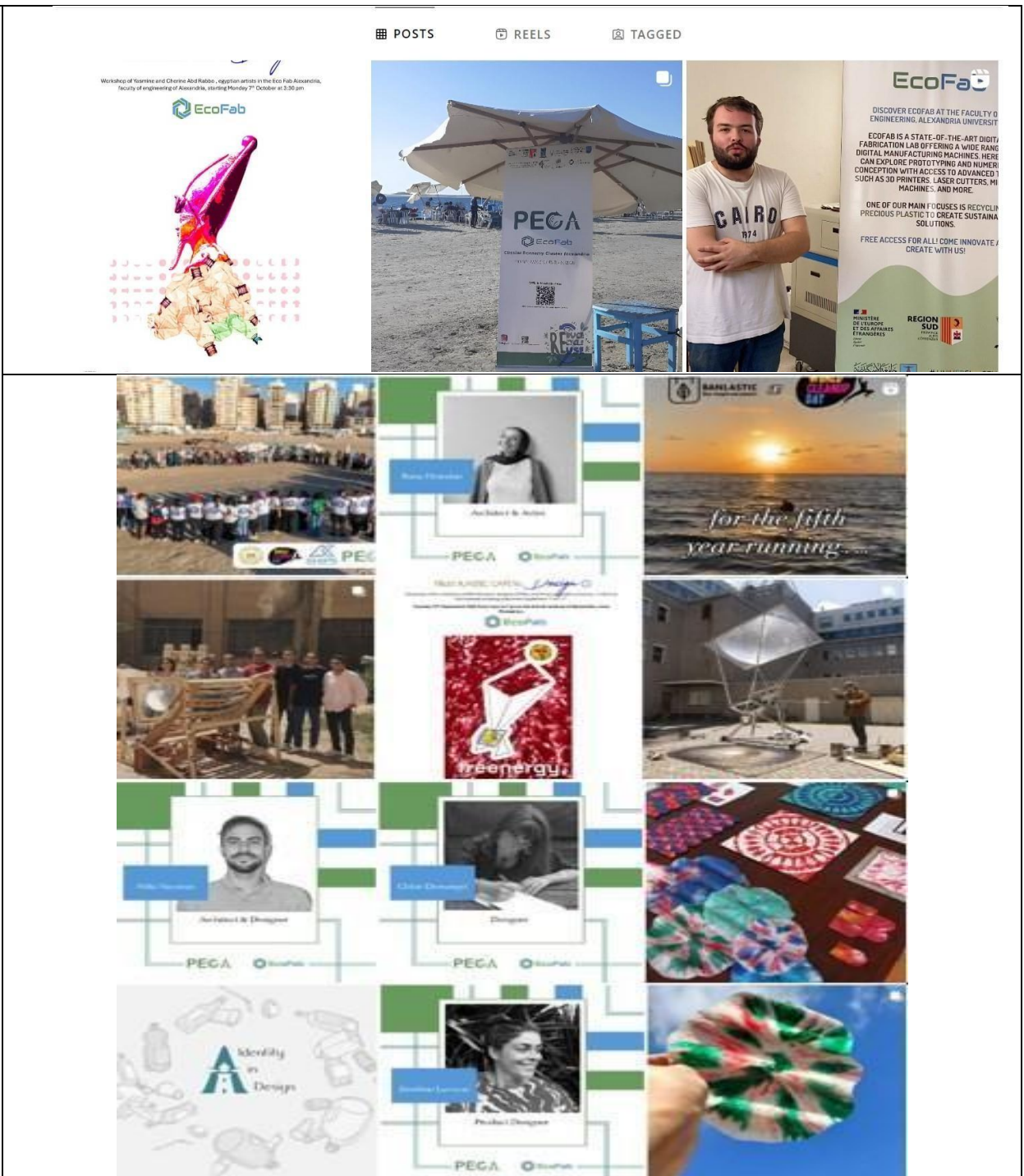
Indeed, supporting this project will highlight the role of the region, Alexandria Governorate, and Corsica in supporting innovative solutions to adapt regions to changing Climate. The strategy is based on four pillars: **digital communication in three languages, the production of digital communication media intended for the general public, organizing competitions for artists and architects from the**



two countries to enhance the innovative role Fab Lab, and discussions of ideas supported by all partners as a regional facilitator. In addition, a dedication ceremony for the Fab Lab will be held in the presence of elected officials, governors, university presidents, and will be followed by the symposium in Alexandria is a continuation of COP 27, which was held in November 2022.

A system for monitoring and evaluating the project will be developed by members of the steering committee with the support of specialists. The monitoring and evaluation system will include the quantitative, qualitative, and financial components of the project. It will make it possible to measure the effectiveness of this place of innovation as a driver of sustainable and inclusive development at the local and Mediterranean levels. Indicators for this monitoring and evaluation system will be identified and validated by the Steering Committee at the beginning of the project to verify throughout the implementation period whether the results are consistent expected meets set goals. Answers will need to be provided to the items specified in the reference system approved by the Steering Committee.

11





- Awareness program toward energy and Climate Change was implemented by Alexandria university through initiatives, symposia, conferences, workshops, and activities.
- Researchers from various faculties at Alexandria University have conducted 2080 research articles and reviews, within 2023-2024, to investigate the phenomenon of climate change across different scientific fields.





Articles

About 2,080 results (0.15 sec)

Any time

Since 2024

Since 2023

Since 2020

Custom range...

2021 — 2025

Search

Sort by relevance

Sort by date

Any type

Review articles

include patents

include citations

Create alert

[PDF] Neighborhoods at Risk of Drowning in Alexandria in Light of **Climate Change**, Coastal Threat Sources and Means of Protection

[KAK Ouda](#) - Published in International Journal of Trend in ..., 2022 - researchgate.net

... that the city of Alexandria is facing a new existential threat resulting from **climate change**, and that it will be drowned due to **climate change**. In this article, I would like to clarify that the ...

☆ Save Cite Cited by 2 Related articles

... Green Economy Concepts in Light of Climate Changes (Applied to Students of the Faculty of Tourism and Hotels-Department of Tourism Studies-**Alexandria University** ...

[NE Elhatab](#) - Journal of Association of Arab Universities for Tourism ..., 2022 - journals.ekb.eg

... the Faculty of Tourism and Hotels at **Alexandria University** in light of climate changes.Design... of the Faculty of Tourism and Hotels at **Alexandria University**.Findings –The study found an ...

☆ Save Cite Related articles All 4 versions

[HTML] A study of strategic plans of sustainable urban development for Alexandria, Egypt to mitigate the **climate change** phenomena

[AFA Mohamed](#) - Future Cities and Environment, 2023 - futurecitiesandenvironment.com

... **Climate change** is one of the most critical environmental concerns confronting cities. A ... **Climate change** and an oil-based economy are inextricably linked: car emissions considerably ...

☆ Save Cite Cited by 2 Related articles All 4 versions



Example of Windmill and Solar Panels (Solar Energy Center at the Faculty of Agriculture - Alexandria University)



Solar Energy Center at the Faculty of Agriculture (Alexandria University)



Solar Panels (Solar Energy Center at the Faculty of Agriculture - Alexandria University)



Solar Energy Center at the Faculty of Science (Alexandria University)

Moharam Bek Building



BIPV Roof Pergola, Faculty of Science in Moharram Bek (Alexandria University)



BIPV Garden Pergola, Faculty of Science in Moharram Bek (Alexandria University)



Solar photovoltaic with a capacity of 220 kilowatts on the 2000 m² roof top of the building of the Mechanical Engineering Department at the Faculty of Engineering



The European Union project to convert several buildings of Alexandria University into green buildings by reducing energy consumption in addition to establishing solar-powered power stations: the Specialized Scientific Programs Building at the Faculty of Engineering, the Faculty of Education Building within the Literary Colleges Complex, and the Manchester Building at the Faculty of Medicine.



Green building implementation through the use of sun breakers in the SSP building at the Faculty of Engineering

Bio-Diesel Production



Visitors,
Stakeholders &
Media
29 March 2014



Production of Bio-Diesel from Algae in Selected Mediterranean Countries: Med-Algae Project (Faculty of Science, Alexandria University)