



ASWAN UNIVERSITY



التنمية
المستدامة  أهداف

SUSTAINABILITY REPORT



2020/2019

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1 NO POVERTY



End poverty in all its forms everywhere

Aswan University is working with all its potentials, unceasing efforts and by making use of every available possibility, to end the poverty in all its forms everywhere.

RESEARCH

All Research regarding this goal are published in Arabic, and in local journals. These journals are not indexed in Scopus or WOS.

Yet, Aswan University is taking serious steps to enhance and promote researchers to publish their papers considering ending poverty in indexed journals and at least the abstract should be in English. The target were to have at least five papers published in indexed journals regarding SDG1, but we could not reach this goal. We expect have at least this number to be reached by this next year.

SUPPORT & FINANCIAL AID

Aswan University offers scholarships and

support for those who admission at the university could be a difficulty.

In this sense, Aswan University has accepted all financial aids applications from students from low or lower-middle income families or even countries.



Aswan University provides yearly 50 scholarships for students from poor countries in Africa.

This target was accomplished successfully.

The second challenge and target to offer more scholarships by reaching 60 the next two years.

AFFORDABLE HOUSING

We provides both our staff and students by supporting their needs for housing through



4 Dormitories for students, and 3 housings for faculty staff.

These accommodations are available for students and staff as a form of the support that Aswan University provides for them.

EVENTS

More campaigns were held besides the outreaches targeting the students

COMMITMENT

The Egyptian national agenda is launched from a comprehensive perspective to deal with the issue of poverty as a symptom resulting from the denial of basic services and economic opportunities.

From this perspective, Aswan University

aims to build the capabilities of individuals, ensure fair distribution of opportunities, provide an umbrella for social protection, and raise inclusive and sustainable economic growth rates in a way that contributes to increasing citizen income and reducing poverty rates.

2 ZERO HUNGER



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

Fighting Hunger on Campus

Policy solutions to food insecurity:

Aswan University has improved a Policy to end hunger. Therefore, Aswan University is committed to provide sustainable food and address students and staff needing this support.

Campus solutions

Youth welfare administration of each faculty determines the number of students, who are unable to afford the cost of food, and the university presents support to them.

Meals are provided to students residing in the university dormitories.

The university council's decision to provide subsidized meals for non-resident students in the university dormitories at a

cost of EGP 10 for meal (EGP 15 (0.95\$) in 2020 and on).

Aswan University has a program to provide food security at the university for students, faculty employees and staff:

Support

“Social Solidarity Centers” at the campus soon in collaboration with the Ministry of Social Solidarity.

Food Waste

Food waste refers to the decrease in the quantity or quality of food resulting from decisions and actions by retailers,

food service providers and consumers. Foods that are close to, at or beyond the “best-before” date are often discarded by retailers and consumers.

Large quantities of wholesome edible food



are often unused or left over and discarded from household kitchens and eating establishments.

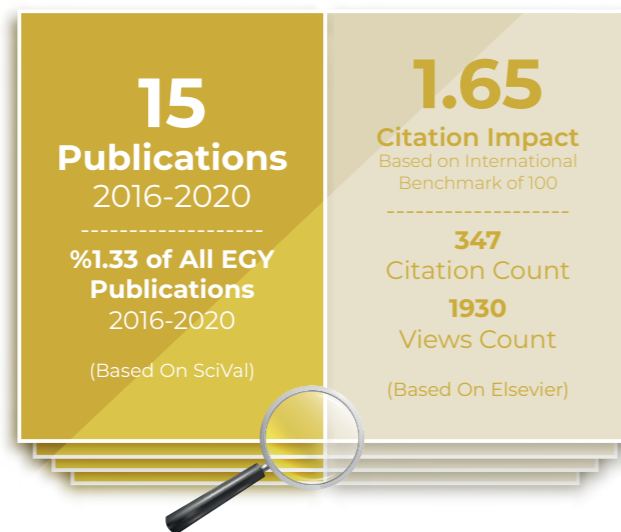
Less food loss and waste would lead to more efficient land use and better water resource management with positive impacts on climate change and livelihoods.

Campus Food Waste Tracking

Aswan University Nutrition Department employees carefully isolate all of the uneaten food from every tray returned to each of Aswan University's main dining halls in a

week-long food audit. They weigh the uneaten food after all non-edible waste, including bones and fruit peels, is removed. The same process is followed in all dormitories belong to Aswan University.

This process is repeated during lunch hours every day for a week so that AUND estimates how much food the typical Aswan undergraduate wastes while eating in a dining hall, or even in a dormitories dining hall.



3 GOOD HEALTH AND WELL-BEING



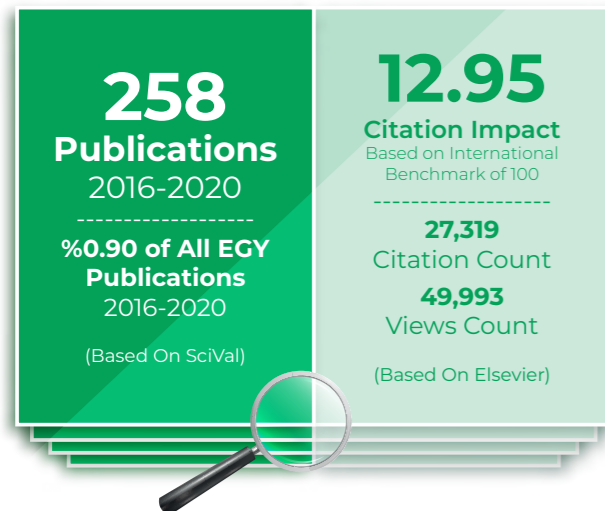
Ensure healthy lives and promote well-being for all at all ages

Our University continuously pays greater attention to implement the Sustainable Development Goals, not least delivering Good Health and Well-being. To achieve this goal, Aswan University in 2020 has collaborated with various health institutions to improve health and well-being outcomes.

RESEARCH

Regarding this goal, we have done great research with impressive impact, in order to contribute in improving health and well-being outcomes.

Research In Numbers: SDG3



Aswan University manufactured sterilizing gates inside the university by self-efforts that have been used to sterilize students and employees, for avoiding the infectious of **Covid-19**.



Collaboration with National Health Institutions

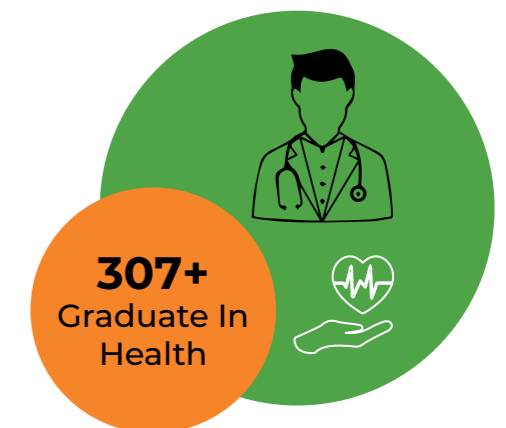
Access Collaborating with the Ministry of Health and **JSI Skills** in the areas of family planning and support for training doctors and nursing throughout Aswan Governorate, as well as ways to activate scientific research in the fields of family planning, and procedures for opening a family planning clinic at the University Hospital, which will have a sig-



nificant impact on the health program for the citizens of Aswan.

Collaboration with Local Health Institutions

Cooperation protocol with (**Abu Simbel International Hospital**) to exchange medical expertise to improve health and well-being outcomes.



4 QUALITY EDUCATION



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

RESEARCH

As with some SDGs that researchers publish in Arabic, and in local journals. SDG 4 is not immune from these point.

Yet, as mentioned Aswan University is taking serious steps to enhance and promote researchers to publish their papers considering SDG 4 in indexed journals and at least the abstract should be in English.

EDUCATIONAL OUTREACH

Aswan University cooperated with Academy of Scientific Research by Child Academy that aims to Building and supporting the Egyptian society through today's children, who are the men of the promising, creative and innovative future with the aim of building our modern Egypt.

Aswan University hosts more events at the university that are open to the general public. As well the University has launched the activities of the first training workshop for teachers at AswanUniversity.

Aswan University hosts the a Family and Community Education event, in collaboration with Al-Azhar International Center for Electronic Fatwa. Through such events, we aim to nurture and build the Egyptian family, work to strengthen the bonds of in-



terdependence between its members, and emphasize its role in building a safe society dominated by love and tolerance.

More outreach vocational programmes targeting the local community, two seminars on "Reproductive health and first aid" in the Mansouriya village in Daraw from 24 to 26/6/2019 in the village

And cultural and scientific convoy for wom-



en entitled (How to prevent the Intellectual Causes of Divorce) in Aswan City to educate and raise awareness, promote family belonging and increase family ties, on



4/13/2019 for university students.

COMMITMENT

The National Agenda for Sustainable Development affirms that success in devel-

oping the educational system in all its stages and types, and enhancing its efficiency and quality are among the most important engines of sustainable development, given its major role in building a balanced personality characterized by human values and ethics. It also ensures that it keeps abreast of modern technological developments and that graduates acquire the new technical and life skills required by the labor market. Emphasizing the principles of spatial and social justice, the National Agenda for Sustainable Development aims to provide educational opportunities for all without discrimination.

5 GENDER EQUALITY



Achieve gender equality and empower all women and girls

Equity, Diversity and Inclusion

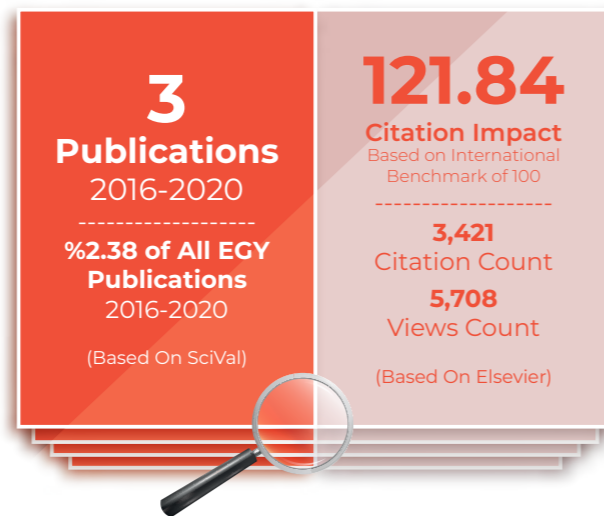
Aswan University is committed to achieving sustainability and taking action in light of local and global challenges. We continue to nurture a culture of sustainability through learning, teaching, research, partnerships and how we operate our facilities, including a woman's ability to progress at the university, for ensuring strong female student access and the proportion of research authored by female academics.

Equity, Diversity and Inclusion

Aswan University is committed to achieving sustainability and taking action in light of local and global challenges. We continue to nurture a culture of sustainability through learning, teaching, research, partnerships and how we operate our facilities, including a woman's ability to progress at the university, for ensuring strong female student access and the proportion of research authored by female academics.

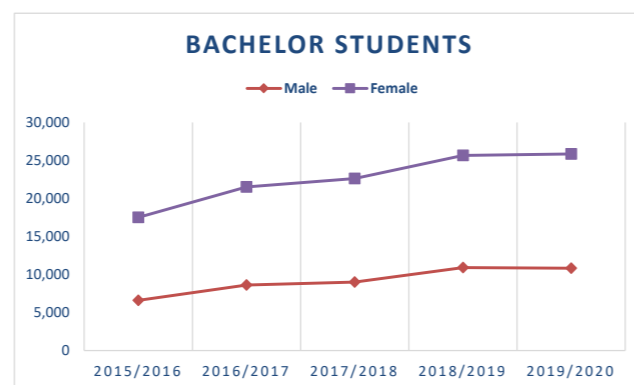
RESEARCH

Regarding this goal, We are going forward



ensure achieving gender equality and empower all women and girls.

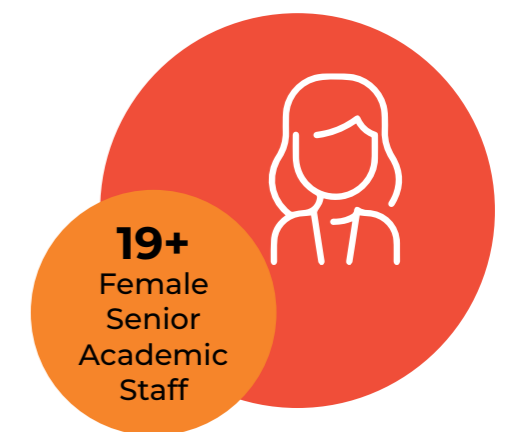
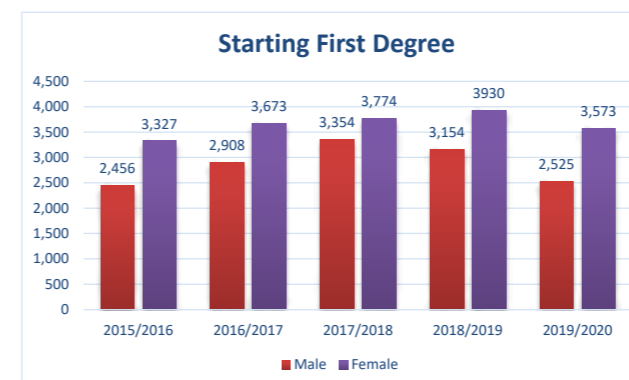
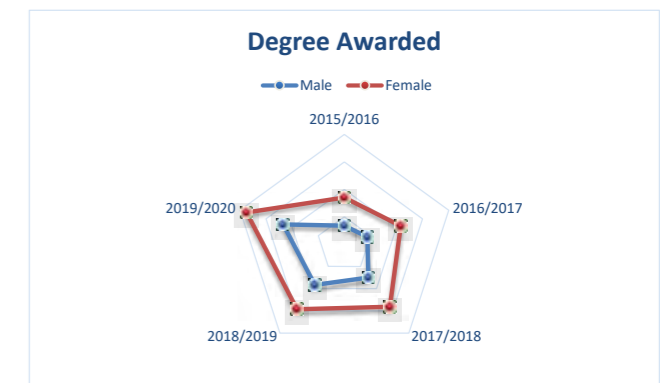
Women Applications



Aswan University has a pioneer role in sup-



porting Women's applications in subjects, especially, science, technology, engineering, and mathematics, where they may be underrepresented



6 CLEAN WATER AND SANITATION



Ensure availability and sustainable management of water and sanitation for all

Aswan University seeks to improve the quality of the environment surrounding the citizen by separating the growing human activities and the pollution that may entail. Therefore, the national agenda aims to seriously deal with the accumulated problems on the one hand, and to reduce all forms of water, air and soil pollution in the future from the other side, by integrating the environmental dimension into economic and social decisions and policies, raising awareness of the causes and negative effects of pollution.

As well supporting societal control over both Sources of pollution and the efforts made to reduce it and the regulatory authorities entrusted with protecting the citizen.

RESEARCH

INTERNATIONAL COLLABORATION

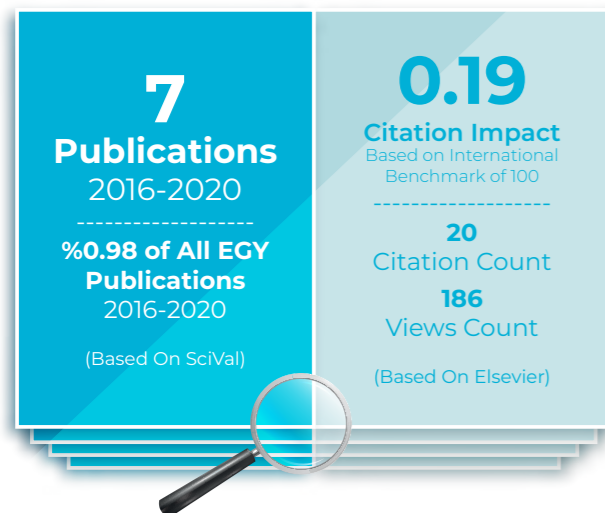
The Consortium of the project includes several prestigious US and Egyptian universities: University of California at Santa Cruz, Utah State University, Washington State University, Temple University, Ain Shams University, Aswan University, Beni Suf University and Zagazig University.

The consortium also includes a number of US and Egyptian private sector companies and NGOs: SEKEM Group, Lotus Company, Demerdash Group, Engazaat Development, and the NGO IBSAR, as well as AE-



COM, Amriton LLC, Apogee Instruments, Carollo Engineers, FREDsense Technologies, Purolite Corporation and Waters Corporation. partnership “The Center of Excellence for Water”, that was inaugurated on September 12th, 2019 at the Faculty of Engineering – Alexandria University with the presence of the consortium representatives from US and Egyptian Universities, Egyptian private sector companies and several Ministries and Public entities in Egypt. this project is designed to be a state of the art, modern applied research center located within the premises of Alexandria University (AU), Egypt. The Center will be

the hub for research and a vibrant network of Egyptian industries, research centers, and ministries.



7 AFFORDABLE AND CLEAN ENERGY



Ensure access to affordable, reliable, sustainable and modern energy

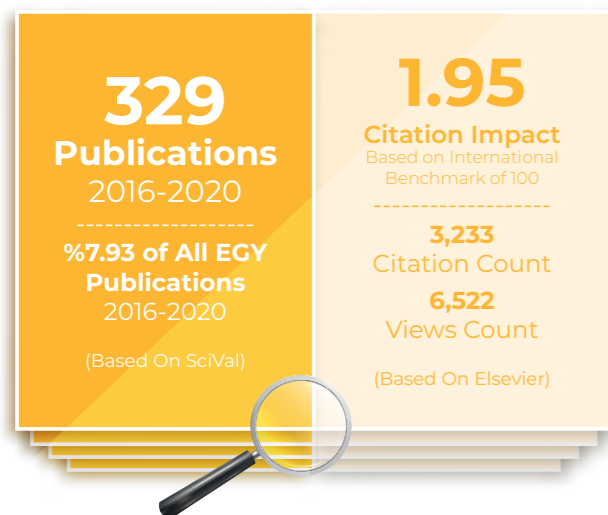
RESEARCH

In 2020, Aswan University has published more than 110 papers. It has published more than 329 papers in indexed journals in the period from 2016 to 2020.

We have very good quality research regarding this area of sustainability. This clearly indicates that Aswan University has a good attitude to implement the SDGs. Some of the significant papers in 2020:

1. A secured energy management architecture for smart hybrid microgrids considering PEM-Fuel cell and electric vehicles

2. Optimum design of hybrid wind/PV energy system for remote area
3. Optimal Configuration of a Grid-Connected Hybrid PV/Wind/Hydro-Pumped Storage Power System Based on a Novel Optimization Algorithm
4. Techno-economic assessment of energy storage systems using annualized life cycle cost of storage (LCCOS) and levelized cost of energy (LCOE) metrics
5. Robust energy management and economic analysis of microgrids considering different battery characteristics
6. A Single DC Source Nine-Level Switched-Capacitor Boost Inverter Topology with Reduced Switch Count
7. Efficient optimization technique for multiple DG allocation in distribution networks
8. Internet of Things based real-time electric vehicle load forecasting and charging station recommendation



9. A Trust-Based Energy-Efficient and Reliable Communication Scheme (Trust-Based ERCS) for Remote Patient Monitoring in Wireless Body Area Networks

International Collaboration:

Aswan University has a strong collaborative partnership with international partners in order to review comparative approaches and develop international best practice on tackling the SDGs.

In 2020, Aswan University is working on boosting the international collaboration regarding the implementation of SDGs. One of these various forms of collaboration is the collaboration with USAID through the

partnership in the Center of Excellence for Energy. This project is in cooperation with the USAID and some other Egyptian Universities, to build the research, education, and entrepreneurial capacity of Aswan University, Ain Shams, and Mansoura Universities to address the country's most pressing energy-related challenges.

8 DECENT WORK AND ECONOMIC GROWTH



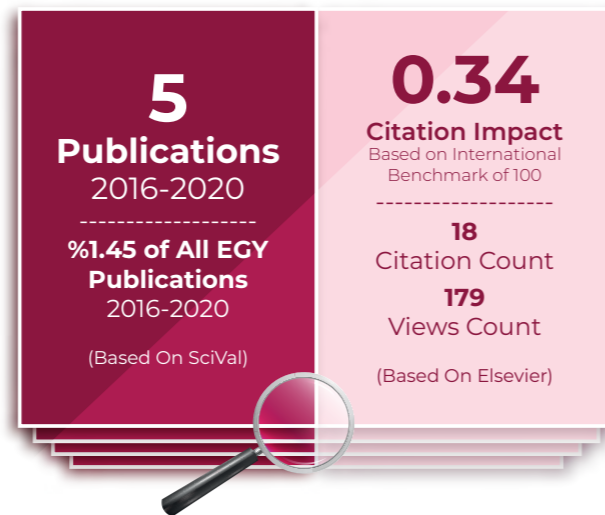
Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

Human capital and the creativity, innovation and entrepreneurship it produces is the basis of sustainable development and development. Therefore, building scientific and practical capabilities according to the latest educational and professional systems is extremely important due to the rapid and successive technological developments that are reflected in the nature of the labor market and the quality of jobs required to keep pace with the fourth industrial revolution.

RESEARCH

Aswan University has published 2 papers in 2020 for SDG 8, they are:

1. Mapping indicators of cultural ecosystem services: Review and relevance to urban context
2. Update, Conclusions, and Recommendations for “Flash Floods in Egypt”



International Collaboration

In partnership with USAID and the Ministry of Higher Education and Scientific Research, Aswan University inaugurated the University Center for Career Development at Aswan University, which will prepare Egypt's youth for and connect them to today's job market. This activity is a vital link between higher education and the private sector in Egypt.

Accordingly, investments in education, training and rehabilitation to increase the efficiency of the human element are



among the most important investments that the state undertakes to establish a knowledge economy capable of achieving development aspirations. By providing a permanently developable and learning community.

SDG 8 seeks to strengthen inclusive economic growth and promote decent, productive work for all. Even with current levels of growth, it is estimated that the number of unemployed globally will rise due to expanding labor forces. Progress towards SDG 8 requires both the creation of new jobs and steps to make work conditions fair and decent. To accomplish these

goals and encourage growth, the provision of basic energy, tech, transportation, and education services is crucial.

SDG 8 is further refined by targets that can be more readily translated into actions. These targets highlight the interconnected nature of the goals. For example, strategies to support Decent Work and Economic Growth also promote SDG 1 (No Poverty), and SDG 9 (Industry, Innovation, and Infrastructure).

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

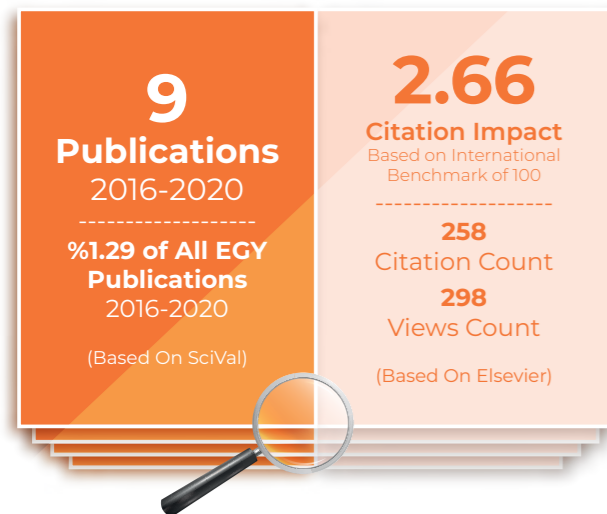


Build resilient infrastructure, promote sustainable industrialization and foster innovation

Research

Aswan University has published 9 papers during the the priod between 2016 and 2020 for SDG9, and this is not A promising number. We are setting targets to boost publishing in this area in indexed journals.

Research in numbers: SDG 9



PUBLICATIONS (2020)

1. Reliable and rapid traffic congestion detection approach based on deep residual learning and motion trajectories.

2. Efficient and Fast Traffic Congestion Classification Based on Video Dynamics and Deep Residual Network.

APPROCAH

Investment in infrastructure and innovation are crucial drivers of economic growth and development, and are key to finding lasting solutions to both economic and environmental challenges. Promoting sustainable industries and investing in scientific research and innovation are all important ways to facilitate sustainable development. More than 4 billion people still do not have access to the Internet, and 90% are from the developing world.

Bridging this digital divide is crucial to ensuring equal access to information and knowledge, as well as fostering innovation and entrepreneurship. SDG 9 is further refined by targets that can be more easily translated into actions. These targets



highlight the interconnected nature of the goals. For example, strategies to support inclusive industrialization and innovation also promote progress toward SDG 5 (Gender Equality) and SDG 8 (Decent Work & Economic Growth)

For the sake of sustainable, inclusive development, and for the sake of innovative generations that strive for knowledge development and continuous development, the National Agenda has ensured that knowledge, innovation and scientific research be one of the pillars and drivers that support it.

And that is through establishing the close

relationship between the localization and employment of technology and utilizing it for sustainable inclusive growth and linking it to social aspects through investing in human capital and building scientific and practical capabilities in accordance with the latest educational systems, technical qualification and vocational training, in order to improve the level of educational and training services provided, And considering transformational training as one of the main drivers for qualifying and employing untapped human resource.

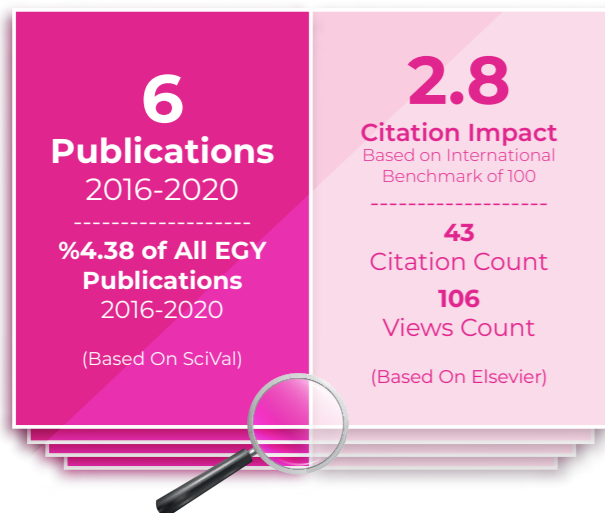
10 REDUCED INEQUALITIES



Reduce inequality within and among countries

As progress is made to develop communities and economies, SDG 10 works to leave no one behind in the process. The share of the global population living in poverty has declined substantially in this century, but the benefits have been concentrated in a few countries, and have not accrued for disadvantaged groups within countries. Addressing inequality is not only key in poverty reduction — it also combats unequal opportunities today that would otherwise lead to unequal outcomes tomorrow.

RESEARCH



As mentioned before, Aswan University is taking serious steps to enhance and promote researchers to publish their papers considering SDGs in indexed journals and at least the abstract should be in English. As most of research regarding this goal are published in Arabic, and in local journals. These journals are not indexed in Scopus or WOS.

Research in numbers: SDG 10

APPROACH

SDG 10 is further refined by targets that can be more readily translated into actions. These targets highlight the interconnected nature of the goals: For example, strategies to support Reduced Inequalities also promote progress toward SDG 5 (Gender Equality) and SDG 3 (Quality Education)

The constitution placed the social aspect as a cornerstone of the national agenda for sustainable development, as its intro-



duction stipulated, “We write a constitution that achieves equality between us in rights and duties without any discrimination.” Its fourth article states, “Sovereignty belongs to the people alone, that they exercise and protect it, and they are the source of powers and safeguard their national unity. It is based on the principles of equality, justice and equal opportunities for all citizens, as stipulated in the constitution.

Therefore, the National Agenda seeks to achieve social justice and social integration, and to promote active citizenship and positive participation for all segments of society.

As the issues of empowerment, equality and social justice are among the core issues that the 2030 Sustainable Develop-

ment Goals focus on, as well as addressing issues of inclusion and the need to overcome discrimination for vulnerable and marginalized groups at all social, economic and political levels for all individuals based on the principle of citizenship, regardless of age, gender, disability, ethnicity, religion, economic or social status..

11 SUSTAINABLE CITIES AND COMMUNITIES

Make cities inclusive, safe, resilient and sustainable



Research

We have published around 16 papers between 2016 and 2020. Seven of them in 2020:

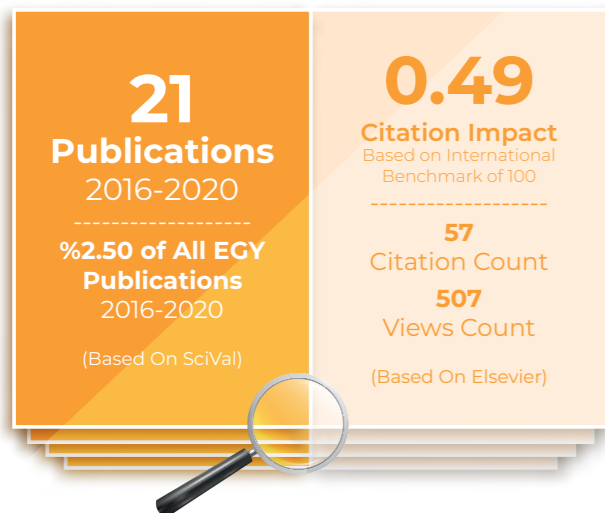
1. Modeling, Simulation and Optimization of Power Plant Energy Sustainability for IoT Enabled Smart Cities Empowered with Deep Extreme Learning Machine
2. A review and insights for eleven years of urban microclimate research towards a new Egyptian era of low carbon, comfortable and energy-efficient housing typologies
3. Calibrating travel time thresholds with

cluster analysis and AFC data for passenger reasonable route generation on an urban rail transit network

4. Impact of air conditioning systems on the outdoor thermal environment during summer in Berlin, Germany
5. Reliable and rapid traffic congestion detection approach based on deep residual learning and motion trajectories
6. Optimal Operation Planning for Renewable Energy and CCHP in Smart City
7. Evaluation of the concentrations of some metallic elements in the fallen dust extractants on the Ar Rass city, Qassim region, KSA
8. Impact of Urban Geometry on Cooling Loads in Egypt: Case study: A social residential compound in New Aswan City

Events

In 2019, Aswan University has organized “The First African Universities Youth



Week”.

More than 24 African Universities participated in this remarkable event.

APPROACH

Aswan University has continued to prioritize pedestrian access on campus. In order to:

- Encourage walking and reduce dependency on cars
- Protect the environment and reduce greenhouse gas emissions by limiting the use of cars.
- Improve the health and wellbeing of faculty staff, employees and students

through encouraging walkability and movement.

Sustainable Cities & Communities encompasses both the challenges and opportunities presented by the increasing concentration of our global population both in urban centers and smaller but still heavily populated towns. By 2050, an additional 2.4 billion people are expected to be living in urban areas as this trend continues.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



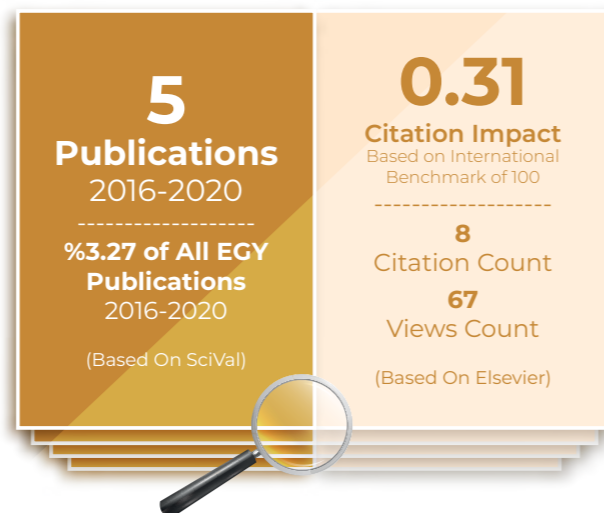
Ensure sustainable consumption and production patterns

Sustainable Consumption and Production is about promoting resource and energy efficiency, sustainable infrastructure, and providing access to basic services, green and decent jobs and a better quality of life for all. Its implementation helps to achieve overall development plans, reduce future economic, environmental and social costs, strengthen economic competitiveness and reduce poverty.

Progress toward this goal requires a move toward practices that limit harmful by-products. SDG 12 is further refined by targets that can be more readily translated into actions. These targets highlight the interconnected nature of the goals: For example, strategies to promote SDG 12 also support progress toward SDG 13 (Climate Action), SDG 6 (Clean Water and Sanitation) and SDG 11 (Sustainable Cities and Communities).

RESEARCH

Aswan University has published 10 papers



between the period 2016 and 2020, three of them in 2020:

1. Effect of hazardous industrial solid waste landfill leachate on the geotechnical properties of clay
2. Impacts of Pesticides on Soil and Water Resources in Algeria
3. Effects of sewage sludge applications to agricultural soil on the biochemical parameters of faba bean (*Faba sativa* bernh.), wheat (*triticum aestivum* l.),



spinach (*spinacia oleracea* l.) and cucumber (*cucumis sativus* l.) crops.

APPROACH

Human activity affects the environment through three interrelated factors: the population, average per capita consumption, and the effect of the consumption unit in the stages of production, use and disposal, so the shift towards sustainable consumption and production is one of the most important elements of the national agenda to achieve maximum benefit from the available resources in light of the high population and average consumption The

individual.

And that by targeting changing the current patterns of production and consumption to reduce their negative environmental impacts, taking into consideration the social and economic repercussions.



Take urgent action to combat climate change and its impacts

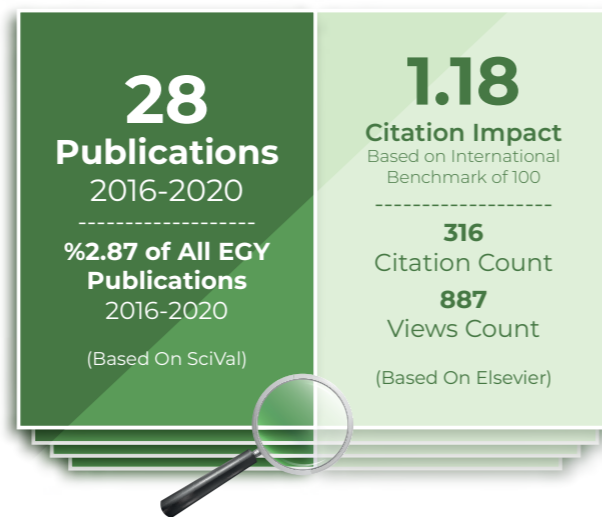
Climate Action highlights the societal imperative to take urgent action to combat climate change and its devastating impacts through policy, awareness-raising, and adaptation and mitigation strategies. The effects of climate change can be seen on every continent. Weather patterns are changing, sea levels are rising, and greenhouse gas (GHG) emissions are now at their highest levels in history. Without action, the world's average surface temperature is likely to surpass 3°C this century. Climate change is disrupting national economies and individual lives, with the poorest and most vulnerable people suffering the most.

SDG 13 is further refined by targets that can be more readily translated into actions. These targets highlight the interconnected nature of the goals: For example, strategies to tackle Climate Action are intertwined with those that address SDG 7

(Affordable and Clean Energy) and SDG 3 (Good Health and Well-Being).

RESEARCH

Aswan University has published more than



28 publications between the period 2016 and 2020, 16 of them in 2020.

Research in numbers: SDG 13

APPROACH

Climate change is the most urgent issue in the international community, due to the dangerous future impacts and repercussions it may cause. Not least, the drying up



of some rivers and the inundation of large parts of coastal areas, and the map of agricultural production areas in the world has been altered. And then the global environmental organizations launched a loud shout warning of the deterioration of the global climate, and the alarm bells were ringing to alert the unsuspecting that this deterioration could have major development repercussions. And because Egypt is one of the countries threatened by the effects of climate change, the state has set among its priorities the work to confront the potential effects of climate change by updating its national strategy for adapting

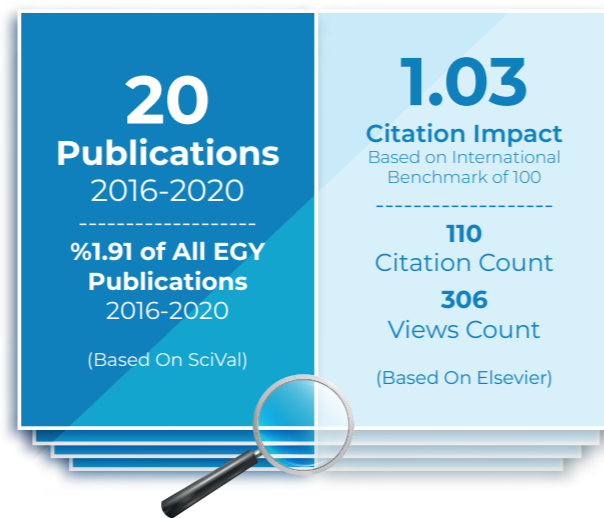
to climate change and reducing disaster risks,



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

Life Below Water focuses on the critical role played by oceans, along with coastal and marine resources, in contributing to human well-being as well as economic opportunity. The oceans provide food for the world's growing population, and our rainwater and drinking water are ultimately provided and regulated by the sea. However, ocean health and marine life are threatened by overfishing, pollution and acidification. SDG 14 is further refined by targets that can be more readily translated into actions. These targets highlight the interconnected nature of the goals: for example, strategies to support Life Below Water are intertwined with strategies that support SDG 3 (Good Health and Well Being), SDG 10 (Reduced Inequalities), and SDG 8 (Decent Work and Economic Growth) – all while tackling climate change and working to preserve our oceans and forests.

RESEARCH



1. Solving the optimal reactive power dispatch using marine predators algorithm considering the uncertainties in load and wind-solar generation systems
2. Feature extraction of ship-radiated noise based on enhanced variational mode decomposition, normalized correlation coefficient and permutation entropy
3. Wireless information and power transfer for underwater acoustic time-reversed NOMA
4. A Novel DNN Based Channel Estimator



5. for Underwater Acoustic Communications with IM-OFDM
5. Underwater Acoustic Communications Based on OTFS
6. Modem design for underwater acoustic networks: Taxonomy, capabilities, challenges, applications and future trends
7. Deep learning-based spread-spectrum fgsm for underwater communication
8. Geotechnical properties of Lower Eocene limestones, Sinn El-Kaddab Plateau, southwest of Aswan, Egypt
9. Hybrid energy efficient routing protocol for UWSNs

15 LIFE ON LAND



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

halt biodiversity loss

SDG 15 aims to ensure and enhance the health of earth’s terrestrial ecosystems by encouraging sustainable land use and land protection. The past decades have seen a rise in challenges to this goal in the form of global deforestation and the loss of biodiversity. A deteriorating environment undermines the livelihoods of millions of people who no longer benefit from reliable sources of food, water and countless

other services provided by healthy ecosystems. Fortunately, progress can be made through smarter development planning and reducing practices that pollute air and water.

RESEARCH

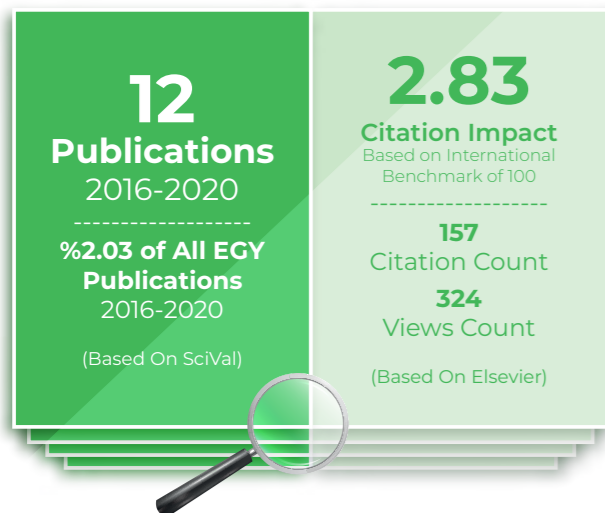
Aswan University has published more than 13 publications between the period 2016 and 2020, 2 of them in 2020.

1. Overview of the PALM model system 6.0
2. Insights into acetate-mediated copper homeostasis and antioxidant defense in lentil under excessive copper stress

SDG 15 is further refined by targets that can be more readily translated into actions. These targets highlight the interconnected nature of the goals: For example,



strategies that address SDG 15 also support SDG 6 (Clean Water and Sanitation) and SDG 7 (Affordable and Clean Energy).



16 PEACE, JUSTICE AND 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

Peace, Justice and Strong Institutions highlights the role of governments and institutions in promoting peaceful and inclusive societies for sustainable development, providing access to justice for all, and building effective, accountable and inclusive institutions at all levels. To achieve the SDGs, governments and private institutions must be held accountable. Corruption, crime, bribery, and any number of unacceptable behaviors that are rampant in countries around the world must be addressed and ultimately eradicated. Moreover, violence against marginalized groups – whether on the basis of religion, geography, class, race, ethnicity or other factors – must be stopped. The realization of peace

and justice and access to such things as housing, education, healthcare, food and nutrition requires strong institutions and governments that are held accountable for putting the needs of their people above the interests of their leaders.

Progress toward SDG 16 underpins all of the other SDGs. Peace, justice and strong institutions can facilitate better use of human capital and financial resources, which can result in attracting more investment capital and spurring economic growth in a country or a community. The synergies between SDG 16 and other goals are highlighted below.





Strengthen the means of implementation and revitalize the global partnership for sustainable development

Partnerships for the Goals recognizes the need to implement and revitalize global partnerships to support sustainable development. Robust partnerships between regulators, policymakers and the private sector are necessary to achieve each of the SDGs. Regulators, who operate under a legal mandate to set and enforce rules for market compliance, must balance such priorities as market growth, transparency, competition, stability, and safety to minimize turbulence and risk, while enabling needed advancements.¹ Policymakers must coordinate efforts to create logical

and coherent frameworks for macroeco-



nomie stability, and to mobilize and share knowledge, expertise, technology and financial resources to support the achievement of the Sustainable Development Goals in all countries, in particular developing countries.



