## Participation of Port Said University (PSU) in COP27

Prepared By:

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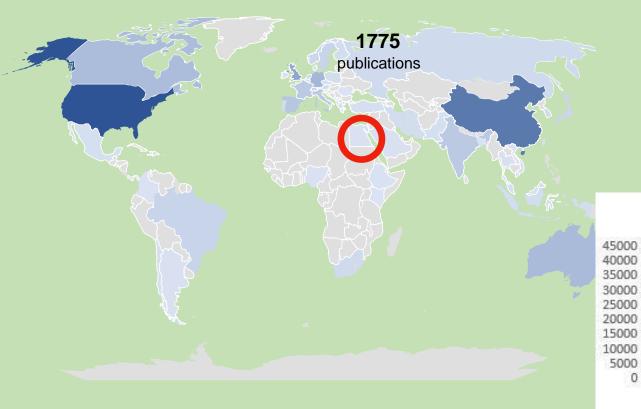
#### Climate Change 2016-2022

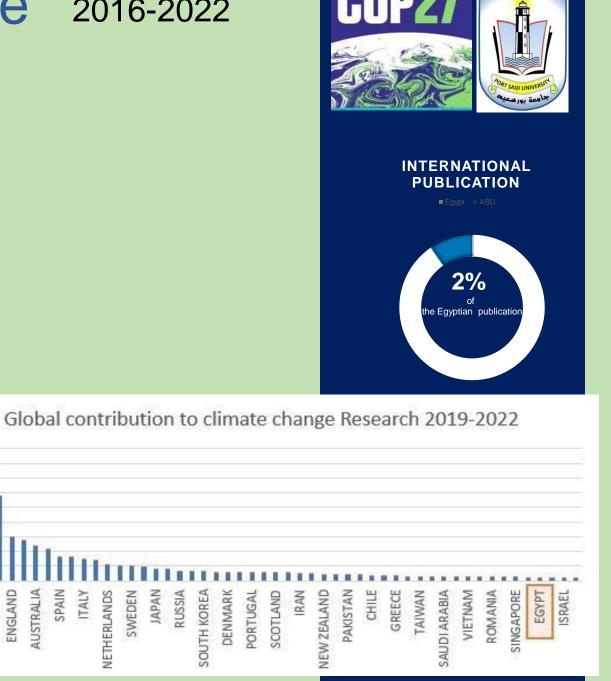
USA

ENGLAND AUSTRALIA

Number of Publications by Egyptian Institutions = 103435

Number of Publications by Port Said University = 1775

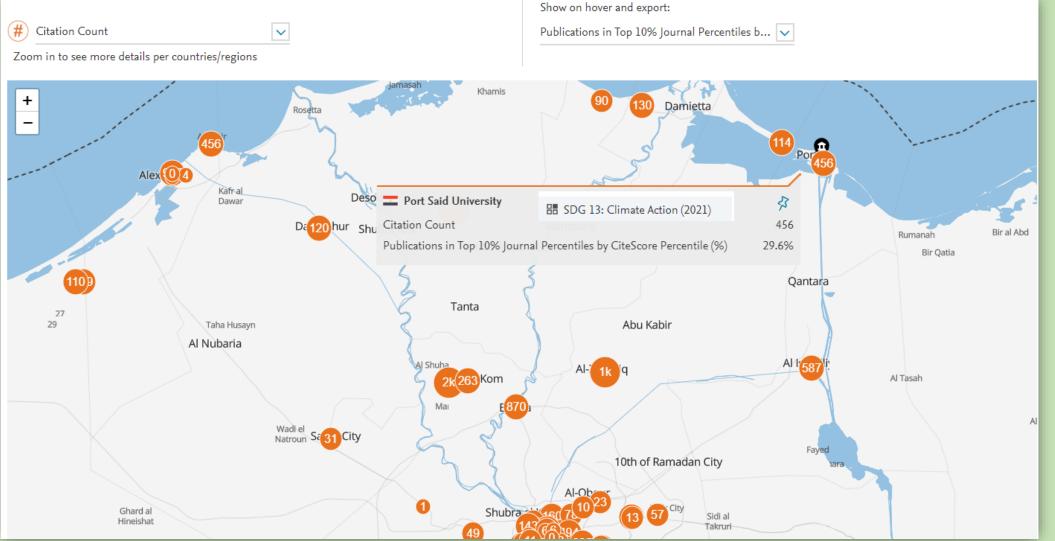




## Publications in Top 10% Journal

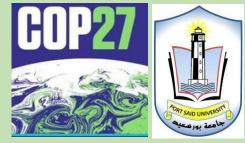


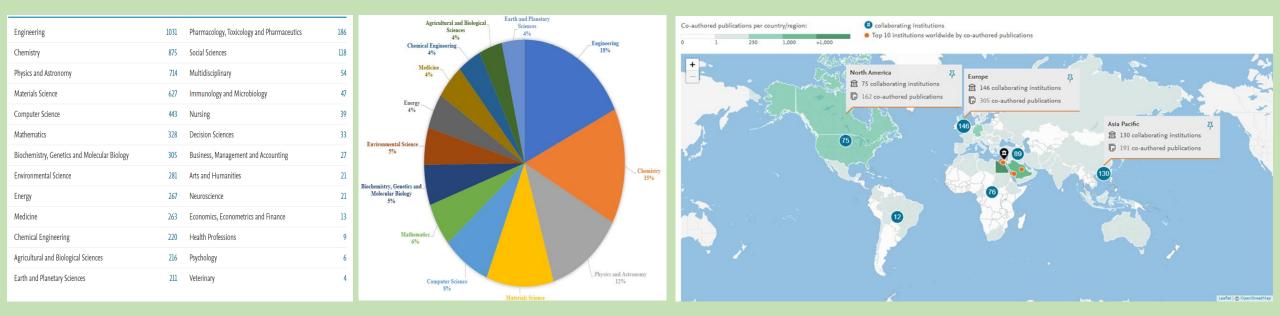




https://scival.com/trends/institutions/map?uri=Customer/0/ResearchArea/170910

## Publications by Subject Area in Top Publications and International Collaborations





#### Performance

41 Scholarly Output 🎄 🛈



View list of publications

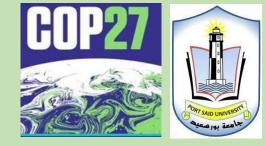
1.66 Field-Weighted Citation Impact 🕸 🛈

24 International Collaboration 🕸 🛈

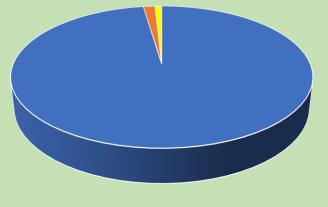
1,775 Views Count (j)

#### 475 Citation Count 鎍 🛈

## **PSU Research Projects**

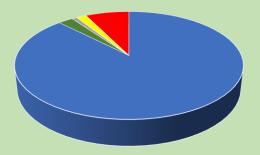


#### **RESEARCH PROJECTS BY FACULTY**



Engineering Science Art

#### **Funding Agencies**



- Science and Technology Development Fund (STDF)
- Academy of Scientific Research and Technology
- Ministry of Higher Education and Scientific Research
- National Telecommunications Regulatory Authority (NTRA)others













#### • 2016-2021

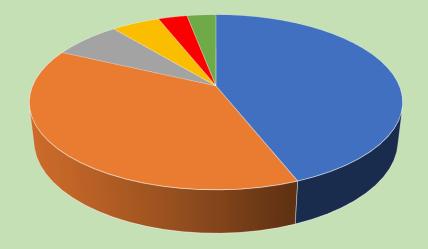
- 22 Funded Research Projects
- Sponsored by Egyptian and International bilateral funding agencies at EGP 58.9M EGP

**19 of 22** Are related to Climate Change

### **PSU Research Projects**

AND SCIENTIFIC RESEARCH

**Research Projects by Topics** 



Renewable Energy Water Desalination Coastal Erosion Recycling Climate change strategies & Policies Others BRITISH NTRA كاديمية لعلمى والتكنولوجيا Academy of Scientific Research & Technology **National Telecommunication** MINISTRY OF HIGHER EDUCATION **Regulatory Authority** 

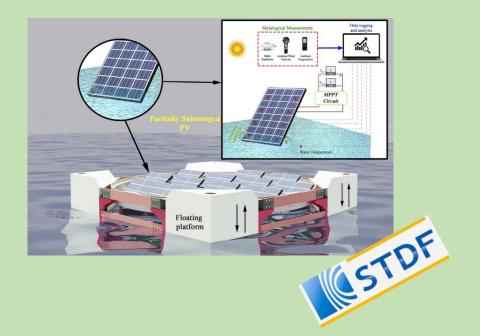


2016-2022

- **22** Funded Research Projects
- Sponsored by Egyptian and International bilateral funding agencies at EGP 58.9M EGP

19 of 22 Are related to Climate Change

### **PSU Research Projects**



Experimental setup of partially floating photovoltaic plant.

Novel Membrane Water Desalination Pilot Plant Driven By A Hybrid Solar-Biogas Energy Sources

STDF



- 2016-2022
- 22 Funded Research Projects
- Sponsored by Egyptian and International bilateral funding agencies at EGP 58.9M EGP

**19 of 22** Are related to Climate Change

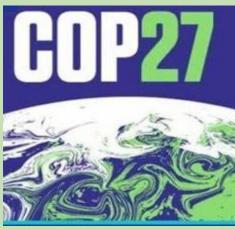
- Judging HULT prize Sinai University competition.
- Seven entrepreneurial projects working to achieve SDG 2.
- The Wandering Minds Project, which works to solve the problems of waste accumulation and the lack of good food for the homeless at the same time, won first place and ascended to the international competition.
- The Volt in food project, which works to provide suitable meals for the elderly, people with determination and autism, won second place and ascended to the regional competition.
- The Green Project, which works to integrate with the African community in order to exploit the fertility of African soil and provide organic food at the lowest possible cost, won the third place and ascended to the regional competition.











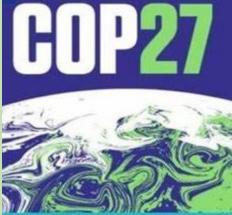


#### • PSU is a smoking free campus.

 Port Said University follows a smoking ban policy, which stems from the university's interest in preserving the health of students and university affiliates and preventing them from being exposed to health problems resulting from smoking. And in implementation of the university's policy to prevent smoking inside the university campus, the faculties distributed posters everywhere to warn and raise awareness of the harms of smoking.









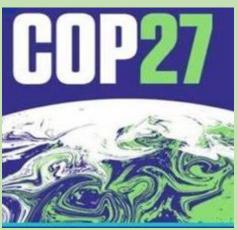
#### PSU water consumption.

- Port Said University measures the amount of mains supply water used with an average monthly water consumption of approximately 7961 m3.
- Some future recommendations to treat kitchen used water for watering plants after the necessary filtration processes.
- The university as a body apply standards to minimize water use. All elder spare parts are replaced with water saving parts. And there are many posters to encourage users to save water.
- Planting landscape is done with the less enough water.
- Port Said university as a body provide free educational opportunities for local communities to learn about good water management and actively promotes conscious water usage on campus, and in the wider community and supports water conservation.











- Affordable and Clean Energy.
- PSU prepares a policy for ensuring all renovations / new builds are following energy efficiency standards in 2022.
- All conventional lighting systems are replaced with energy efficient systems. All the new established buildings are designed with wide areas of windows to efficiently use daylight.
- Port Said university gives a consideration for the carbon management process and reducing carbon dioxide emissions.
- The energy center provides direct services to local industry aimed at improving energy efficiency and clean energy (energy efficiency assessments, workshops, research renewable energy options), informs and supports government in clean energy and energyefficient technology policy development and helps with startups that foster and support a low-carbon economy/technology.
- Entrepreneurship competition in the field of clean energy.

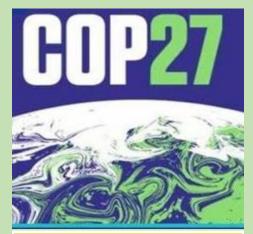
#### Clean Energy : اسم المشروع



منیر محمد مسعد ابو الرجال











## **Research Centers in Climate Change**

- Center for Energy and Environmental Studies
- Center of Excellence in Water Desalination
- Center for Environmental Studies and Scientific Consultations
- Farouk El-Baz Center for Remote Sensing and GIS
- Innovation and Entrepreneurship Center (Under construction).

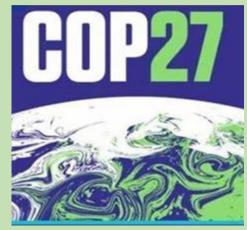
















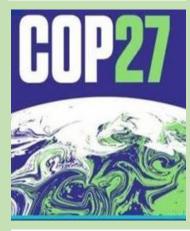
### **Recycling activities**

An attempt by the students of the Art Education Department at the Faculty of Specific Education, Port Said University to recycle the remnants of wood, plastic, ropes and some metals as a product of design and artwork dominated by an innovative character. Freedom and the second painting is also an artwork depicting the mermaid in an innovative artistic way, where the students were divided into two groups and each group specialized in a painting. The idea highlights the design with the use of different colors as shown in the pictures. Where the student cleans the environment and preserves it from waste and residues that harm and pollute it, and at the same time save money, which is a heavy burden on the student.













### **Outreach Activities**

اهم التوصيات المرتبطة بالتغيرات المناخية	الكلية	مكان الانعقاد	تاريخ الانعقاد	(ندوة – مؤتمر – نشاط)	عنوان الفاعلية	م
ضرورة التعامل مع التغيرات المناخية كأهم العوامل التي يجب مراعاتها عند تصميم النظم الذكية	جامعة بورسعيد	Online	مايو 2022	المنتدى العلمي الافتراضي	النظم الذكية وتحديات التغير المناخي: قمة المناخ كوب 27	1
التأكيد على دور تكنولوجيا المعلومات في حلول التغيرات المناخية	جامعة بورسعيد	Online	مايو 2022	المنتدى العلمى الافتراضي	انترنت الأشياء ومراقبة التغيرات المناخية في الوقت الحقيقي	2
التأكيد على دور تكنولوجيا المعلومات في حلول التغيرات المناخية	جامعة بورسعيد	Online	مايو 2022	المنتدى العلمي الافتراضي	تأثير التغيرات المناخية على الموارد المائية	з
التأكيد على دور تكنولوجيا المعلومات في حلول التغيرات المناخية	جامعة بورسعيد	Online	مايو 2022	المنتدى العلمي الافتراضي	الذكاء الاصطناعي وحلول المشكلات المناخية	4
التأكيد على دور تكنولوجيا المعلومات في حلول التغيرات المناخية	جامعة بورسعيد	Online	مايو 2022	المنتدى العلمي الافتراضي	حماية شواطئ مصر من مخاطر التغيرات المناخية	5
التأكيد على دور تكنولوجيا المعلومات في حلول التغيرات المناخية	جامعة بورسعيد	Online	مايو 2022	المنتدى العلمي الافتراضي	تكنولوجيا المعلومات وتطوير التكنولوجية الزراعية الابتكارية المستدامة لمجابهة التغير المناخي	6
التأكيد على دور تكنولوجيا المعلومات في حلول التغيرات المناخية	جامعة بورسعيد	Online	مايو 2022	المنتدى العلمي الافتراضي	الذكاء الاصطناعي للحد من آثار تغير المناخ على المحاصيل الزراعية	7
انشاء وحدة التخلص الآمن من النفايات	كلية الطب	مدرج المدراسات العليا	18 مايو 2022	نلوة	التخلص الآمن من النفايات الطبية	8
الحد من الملوثات و العوادم أساس تجنب الاحتباس الحرار تجنب تعدى الانسان على البيئة أساس انقاذ البيئة من اثار تغرات المناخ تعريف الطلاب وأعضاء هيئة التدريس ومعاونيهم بالتغيرات المناخية وأثارها الضارة بالبيئة والكائنات الحية وطرق الوقايه والحد منها من خلال الهليف 13 من أهداف التنمية المستدامه ورؤية مصر 2030	كلية العلوم	كلية العلوم قاعة المتاقشات	22 مارس 2022	ندوة أ.د/ محمد كامل د/ احمد عبد العال	التغيرات المناخية و القدرة على التكيف - بالتعاون مع وزارة الشباب و الرياضة	9
	كلية التريية	كلية التريية	يوليو 2021	ندوة	"التغيرات المناخبة" وتأثيراتها في قطاعي الزراعة والمياه في المنطقة العربية	10



















Participants (93)

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### **Recommendations for Climate Change Activities**

- 1. Issuing an Egyptian scientific journal entitled "Climate Change" to publish local and international research related to climate change.
- 2. Teaching climate change at the secondary level, universities and higher institutes.
- 3. Collaborating research teams of Egyptian colleges and universities in order to develop current studies related to climate change.
- 4. Working to adapt or benefit from climate change.
- 5. Using modern and contemporary geographic techniques such as geographic information systems techniques and remote sensing applications to model climate changes.
- 6. Increasing financial appropriations to protect the shores of the Nile Delta.
- 7. Rely on alternative energy sources and clean energy.
- 8. Rely on the green economy.
- 9. Establishing an international center for weather forecasting and analysis.
- 10. The necessity of dealing with climate changes as the most important factors that must be taken into account when designing smart systems.
- 11. Participation of researchers periodically in local and international workshops and conferences related to climate change and submitting periodic recommendations reports.
- 12. Urging universities and colleges to increase master's and doctoral theses related to climate change in various disciplines.



