

# Activity of Port Said University



Within: **SDG 9: Industry, Innovation and Infrastructure (2022)** | Year range used for metrics: 2017 to >2022

## Summary

+ Add Summary to Reporting Export

## Performance

+ Add to Reporting

83

Scholarly Output

Chart with 7 data points.

The chart has 1 X axis displaying categories. Range: 7 categories. The chart has 1 Y axis displaying values. Range: 0 to 25.2.

[View list of publications](#)

1.69

Field-Weighted Citation Impact

Chart with 7 data points.

The chart has 1 X axis displaying categories. Range: 7 categories. The chart has 1 Y axis displaying values. Range: 0 to 2.48.

61

International Collaboration

Chart with 7 data points.

The chart has 1 X axis displaying categories. Range: 7 categories. The chart has 1 Y axis displaying values. Range: 0 to 18.9.

3,274

Views Count

1,127

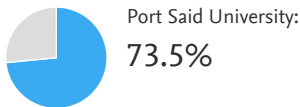
Citation Count

## Collaboration

+ Add to Reporting

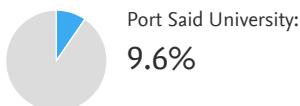
### International Collaboration

Publications co-authored with Institutions in other countries/regions



### Academic-Corporate Collaboration

Publications with both academic and corporate affiliations



## Top 15 keyphrases

+ Add to Reporting

Top 15 keyphrases by relevance, based on 83 publications

- Pinch Analysis
- Three-Dimensional Printing
- Waste Water
- Surface Roughness
- Process
- Process Parameters
- Surface Quality
- Manufacturing
- Sustainable Development
- Wastewater Treatment
- Efficient
- Energy Integration
- Manufacturing Process
- Titanium Alloy (TiAl6V4)
- Powder Bed Fusion

declining A A growing (2017-2021)



















## Explore top Institutions

> Top Institutions in Egypt within current Research Area, by Scholarly Output

> Top Institutions worldwide within current Research Area, by Scholarly Output

2017 to >2022

8.	 Minia University	136	6,685		
9.	 Benha University	132	5,115	2.38	1,358
10.	 Tanta University	128	5,317	3.12	1,542
11.	 Arab Academy for Science, Technology and Maritime	126	3,901	1.12	813

	 Institution	Scholarly Output 	Views Count 	Field-Weighted Citation Impact 	Citation Count 
13.	 The British University in Egypt	117	4,978	1.17	673
14.	 Assiut University	115	3,399	1.28	1,015
15.	 Menoufia University	113	3,924	1.94	1,174
16.	 Kafrelsheikh University	95	4,186	4.38	1,613
17.	 Beni-Suef University	91	3,151	1.67	970
18.	  Port Said University	83	3,274	1.69	1,127
19.	 Egypt-Japan University of Science and Technology	80	2,435	1.28	747
20.	 Aswan University	74	2,002	2.85	732
21.	 South Valley University	64	2,626	3.39	696
22.	 Future University in Egypt	63	1,939	2.04	266
23.	 Suez Canal University	57	2,269	2.11	946
24.	 Nile University	52	2,570	1.06	208















SDG 9: Industry, Innovation and Infrastructure (2022)

2017 to >2022

	<input type="checkbox"/>	Institution	Scholarly Output <input type="button" value="v"/>	Views Count <input type="button" value="v"/>	Field-Weighted Citation Impact <input type="button" value="v"/>	Citation Count <input type="button" value="v"/>
25.	<input type="checkbox"/>	 German University in Cairo	49	1,430		
26.	<input type="checkbox"/>	 Suez University	49	2,371	2.87	579
27.	<input type="checkbox"/>	 Al-Fayoum University	43	1,671	1.14	280
28.	<input type="checkbox"/>	 Zewail City of Science and Technology	39	1,340	1.03	455
29.	<input type="checkbox"/>	 University of Modern Sciences and Arts	37	1,812	0.80	277
31.	<input type="checkbox"/>	 Sohag University	32	997	1.48	429
32.	<input type="checkbox"/>	 Damanhour University	31	1,782	2.09	617
33.	<input type="checkbox"/>	 Pharos University in Alexandria	24	628	2.14	200
34.	<input type="checkbox"/>	 National Water Research Center	20	812	1.75	213
35.	<input type="checkbox"/>	 Damietta University	18	447	0.67	164
36.	<input type="checkbox"/>	 Nahda University	18	812	1.33	93
37.	<input type="checkbox"/>	 Delta University for Science and Technology	17	299	1.84	23
38.	<input type="checkbox"/>	 Misr International University	14	249	1.47	93
39.	<input type="checkbox"/>	 Badr University in Cairo	13	536	0.97	70
40.	<input type="checkbox"/>	 Desert Research Center	13	420	0.84	65

SDG 9: Industry, Innovation and Infrastructure (2022)

2017 to >2022

	<input type="checkbox"/>	Institution	Scholarly Output <input type="button" value="v"/>	Views Count <input type="button" value="v"/>	Field-Weighted Citation Impact <input type="button" value="v"/>	Citation Count <input type="button" value="v"/>
41.	<input type="checkbox"/>	 Egyptian Russian University	13	128		
42.	<input type="checkbox"/>	 Sadat Academy for Management Sciences	9	553	1.42	193
43.	<input type="checkbox"/>	 Galala University	8	221	10.24	80
44.	<input type="checkbox"/>	 Heliopolis University	8	280	1.66	140
45.	<input type="checkbox"/>	 Al-Azhar University	7	154	0.54	4
	<input type="checkbox"/>	International College of Egypt				
47.	<input type="checkbox"/>	 Misr University for Science and Technology	7	417	0.88	46
48.	<input type="checkbox"/>	 Academy of Scientific Research and Technology	6	146	2.13	46
49.	<input type="checkbox"/>	 Deraya University	5	166	1.12	38
50.	<input type="checkbox"/>	 Matrouh University	5	101	1.30	42
51.	<input type="checkbox"/>	 New Giza University	4	147	1.08	21
52.	<input type="checkbox"/>	 October 6th University	4	99	0.57	19
53.	<input type="checkbox"/>	 Egyptian Chinese University	3	54	0.16	8
54.	<input type="checkbox"/>	 Sinai University	2	17	3.62	3
55.	<input type="checkbox"/>	 French University of Egypt	1	28	0.00	0

Metric details

Metric 1: **Scholarly Output** 

Types of publications included: all.

Metric 2: **Views Count**

Metric 3: **Field-Weighted Citation Impact** 

Types of publications included: all.


Metric 4: **Citation Count** 

Types of publications included: all. Self-citatio

SDG 9: Industry, Innovation and Infrastructure (2022)

2017 to >2022 



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## Publications at Port Said University

Within: **SDG 9: Industry, Innovation and Infrastructure (2022)** | Year range: 2017 to >2022 | Applied filters: ( **2021** ✕ OR **2020** ✕ ) [Reset filter](#)

Export

## Authors

<input type="checkbox"/>	Elkaseer, A.	13
<input type="checkbox"/>	Scholz, S.G.	8
<input type="checkbox"/>	Charles, A.P.	5
<input type="checkbox"/>	Elgarahy, A.M.	5
<input type="checkbox"/>	Gadalla, M.A.	4

[Show more](#) [View all](#)

## Institutions

<input type="checkbox"/>	Port Said University	35
<input type="checkbox"/>	Karlsruhe Institute of Technology	13
<input type="checkbox"/>	Cairo University	4
<input type="checkbox"/>	Swansea University	4
<input type="checkbox"/>	The British University in Egypt	4

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## Publication years

<input checked="" type="checkbox"/>	2021	21
<input checked="" type="checkbox"/>	2020	14

[View all](#)

## Open Access

<input type="checkbox"/>	All Open Access	20
<input type="checkbox"/>	Gold	14
<input type="checkbox"/>	Hybrid gold	3
<input type="checkbox"/>	Bronze	1
<input type="checkbox"/>	Green	14

[Show more](#) [View all](#)

## Author numbers

<input type="checkbox"/>	≤ 10	35
<input type="checkbox"/>	≤ 50	35
<input type="checkbox"/>	≤ 100	35
<input type="checkbox"/>	≤ 1000	35

[View all](#)

## Countries/Regions

## Publication types

## Publication stage











35 publications | [Save as Publication Set](#)



Title	Authors	Year	Scopus Source	Citations
Conversion of biomass to biofuels and life cycle assessment: a review <i>Open Access</i> <a href="#">View in Scopus</a> <a href="#">View abstract</a>	Osman, A.I., Mehta, N., Elgarahy, A.M. and 3 more	2021	Environmental Chemistry Letters	82
Recent advances in greenly synthesized nanoengineered materials for water/wastewater remediation: an overview <a href="#">View in Scopus</a> <a href="#">View abstract</a>	Elgarahy, A.M., Elwakeel, K.Z., Akhdhar, A. and 1 more	2021	Nanotechnology for Environmental Engineering	32
Development of an Efficient Prediction Model for Optimal Design of Serial Production Lines <i>Open Access</i> <a href="#">View in Scopus</a> <a href="#">View abstract</a>	Alkhalefah, H., Qudeiri, J.E.A., Umer, U. and 2 more	2021	IEEE Access	1
A conceptual efficient design of energy recovery systems using a new energy-area key parameter <i>Open Access</i> <a href="#">View in Scopus</a> <a href="#">View abstract</a>	Alhajri, I.H., Gadalla, M.A., Elazab, H.A.	2021	Energy Reports	4
Recent advances in carbon capture storage and utilisation technologies: a review <i>Open Access</i> <a href="#">View in Scopus</a> <a href="#">View abstract</a>	Osman, A.I., Hefny, M., Abdel Maksoud, M.I.A. and 2 more	2021	Environmental Chemistry Letters	139
Sustainable transportation: An overview and fusion for the last decade <a href="#">View in Scopus</a> <a href="#">View abstract</a>	El-Bany, M.E.-S.	2021	International Journal of Engineering Research in Africa	0
Impact of nonplanar 3d printing on surface roughness and build time in fused filament fabrication <a href="#">View in Scopus</a> <a href="#">View abstract</a>	Elkaseer, A., Müller, T., Rabsch, D. and 1 more	2021	Smart Innovation, Systems and Technologies	2
Advanced oxidation of acid yellow 11 dye; detoxification and degradation mechanism <a href="#">View in Scopus</a> <a href="#">View abstract</a>	Hassaan, M.A., El Nemr, A., Madkour, F.F. and 5 more	2021	Toxin Reviews	5

Scopus Sources Subject Areas Institution Numbers 

Apply filter



Options 

Title	Authors	Year 	Scopus Source	Citations 
In-process digital monitoring of additive manufacturing: Proposed machine learning approach and potential implications on sustainability <a href="#">View in Scopus</a>  > <a href="#">View abstract</a>	Charles, A., Salem, M., Moshiri, M. and 2 more	2021	Smart Innovation, Systems and Technologies	5
A critical review of biosorption of dyes, heavy metals and metalloids from wastewater as an efficient and green process <i>Open Access</i> <a href="#">View in Scopus</a>  > <a href="#">View abstract</a>	Elgarahy, A.M., Elwakeel, K.Z., Mohammad, S.H. and 1 more	2021	Cleaner Engineering and Technology	100
Better heat and power integration of an existing gas-oil plant in Egypt through revamping the design and organic rankine cycle <i>Open Access</i> <a href="#">View in Scopus</a>  > <a href="#">View abstract</a>	Gadalla, M.A., Elmasry, A., Alhajri, I. and 2 more	2021	Open Chemical Engineering Journal	0
Design and characterization of a vertical-axis micro tidal turbine for low velocity scenarios <a href="#">View in Scopus</a>  > <a href="#">View abstract</a>	Gharib Yosry, A., Fernández-Jiménez, A., Álvarez-Álvarez, E. and 1 more	2021	Energy Conversion and Management	10
Graphical Design and Analysis of Mass Exchange Networks Using Composition Driving Forces <i>Open Access</i> <a href="#">View in Scopus</a>  > <a href="#">View abstract</a>	Farrag, N.M., Kamel, D.A., Ghallab, A.O. and 2 more	2021	South African Journal of Chemical Engineering	6
Down-facing surfaces in laser powder bed fusion of Ti6Al4V: Effect of dross formation on dimensional accuracy and surface texture <i>Open Access</i> <a href="#">View in Scopus</a>  > <a href="#">View abstract</a>	Charles, A., Elkaseer, A., Paggi, U. and 3 more	2021	Additive Manufacturing	12
Power grids with renewable energy: Storage, integration and digitalization <a href="#">View in Scopus</a>  > <a href="#">View abstract</a>	Sallam, A.A., Malik, O.P.	2021	Power Grids with Renewable Energy: Storage, integration and digitalization	0
Recent developments in recalcitrant organic pollutants degradation using immobilized photocatalysts <a href="#">View in Scopus</a>  > <a href="#">View abstract</a>	Fouad, K., Bassyouni, M., Alalm, M.G. and 1 more	2021	Applied Physics A: Materials Science and Processing	7

Title	Authors	Year 	Scopus Source	Citations 
A machine learning-based framework for efficient LTE downlink throughput	Mohammed, N.H., Nashaat, H., Abdel-Mageid, S.M. and 1 more	2021	Studies in Computational Intelligence	1
<a href="#">View in Scopus ↗</a> <a href="#">&gt; View abstract</a>				
Retrofit of heat exchanger networks by graphical Pinch Analysis - A case study of a crude oil refinery in Kuwait	Alhajri, I.H., Gadalla, M.A., Abdelaziz, O.Y. and 1 more	2021	Case Studies in Thermal Engineering	13
<i>Open Access</i> <a href="#">View in Scopus ↗</a> <a href="#">&gt; View abstract</a>				
Industry 4.0-Oriented Deep Learning Models for Human Activity Recognition	Mohsen, S., Elkaseer, A., Scholz, S.G.	2021	IEEE Access	5
<i>Open Access</i> <a href="#">View in Scopus ↗</a> <a href="#">&gt; View abstract</a>				
Efficient energy and completion time for dependent task computation offloading algorithm in industry 4.0	Abdel-Kader, R.F., El-Sayad, N.E., Rizk, R.Y.	2021	PLoS ONE	4
<i>Open Access</i> <a href="#">View in Scopus ↗</a> <a href="#">&gt; View abstract</a>				
Utilization of Neural Network-Based Approach in Bike Routes Optimization for Port Said Urban Road Network	El-Bany, M.S.	2021	Advances in Science, Technology and Innovation	0
<a href="#">View in Scopus ↗</a> <a href="#">&gt; View abstract</a>				
An industry 4.0 framework for tooling production using metal additive manufacturing-based first-time-right smart manufacturing system	Moshiri, M., Charles, A., Elkaseer, A. and 3 more	2020	Procedia CIRP	8
<i>Open Access</i> <a href="#">View in Scopus ↗</a> <a href="#">&gt; View abstract</a>				
Solidification of Alum Industry Waste for Producing Geopolymer Mortar	Abdelmawla, M., Abdelaal, A., Beheary, M.S. and 2 more	2020	Egyptian Journal of Chemistry	3
<i>Open Access</i> <a href="#">View in Scopus ↗</a> <a href="#">&gt; View abstract</a>				
Energy Management of Microgrids Using Load Shifting and Multi-agent System	Abdelsalam, A.A., Zedan, H.A., ElDesouky, A.A.	2020	Journal of Control, Automation and Electrical Systems	5
<a href="#">View in Scopus ↗</a> <a href="#">&gt; View abstract</a>				



Title	Authors	Year ↓	Scopus Source	Citations <input type="checkbox"/>
Principles and Characteristics of Different EDM Processes in Machining Tool and Die Steels <i>Open Access</i> <a href="#">View in Scopus ↗</a> > <a href="#">View abstract</a>	Qudeiri, J.E.A., Zaiout, A., Mourad, A.-H.I. and 2 more	2020	Applied Sciences (Switzerland)	30
Experiment-based process modeling and optimization for high-quality and resource-efficient FFF 3D printing <i>Open Access</i> <a href="#">View in Scopus ↗</a> > <a href="#">View abstract</a>	Elkaseer, A., Schneider, S., Scholz, S.G.	2020	Applied Sciences (Switzerland)	29
Effect of process parameters on surface texture generated by laser polishing of additively manufactured Ti-6Al-4V <i>Open Access</i> <a href="#">View in Scopus ↗</a> > <a href="#">View abstract</a>	Solheid, J.S., Elkaseer, A., Wunsch, T. and 3 more	2020	Proceedings of SPIE - The International Society for Optical Engineering	7
Software Toolkit for Visualization and Process Selection for Modular Scalable Manufacturing of 3D Micro-Devices <a href="#">View in Scopus ↗</a> > <a href="#">View abstract</a>	Scholz, S., Elkaseer, A., Salem, M. and 1 more	2020	Advances in Intelligent Systems and Computing	1
Insight on water remediation application using magnetic nanomaterials and biosorbents <i>Open Access</i> <a href="#">View in Scopus ↗</a> > <a href="#">View abstract</a>	Abdel Maksoud, M.I.A., Elgarahy, A.M., Farrell, C. and 3 more	2020	Coordination Chemistry Reviews	129
Development and validation of eco-friendly micellar HPLC method for the simultaneous determination of hydrochlorothiazide and valsartan in bulk powder and pharmaceutical dosage forms <a href="#">View in Scopus ↗</a> > <a href="#">View abstract</a>	Ayad, M.M., Hosny, M.M., Ibrahim, A.E. and 2 more	2020	Journal of the Iranian Chemical Society	5
Oil spill clean-up using combined sorbents: a comparative investigation and design aspects <a href="#">View in Scopus ↗</a> > <a href="#">View abstract</a>	Tayeb, A.M., Farouq, R., Mohamed, O.A. and 1 more	2020	International Journal of Environmental Analytical Chemistry	23
Handover Performance Improvement in Heterogeneous Wireless Network <a href="#">View in Scopus ↗</a> > <a href="#">View abstract</a>	Ezz-Eldien, N.A., Abdelkader, M.F., Abdalla, M.I. and 1 more	2020	11th Annual IEEE Information Technology, Electronics and Mobile Communication Conference, IEMCON 2020	4

Title	Authors	Year 	Scopus Source	Citations 
Precision hard turning of ti6al4v using polycrystalline diamond inserts: Surface quality, cutting temperature and productivity in conventional and high-speed machining <i>Open Access</i> <a href="#">View in Scopus ↗</a> > <a href="#">View abstract</a>	Abdelnasser, E., Barakat, A., Elsanabary, S. and 2 more	2020	Materials	3
Dimensional errors due to overhanging features in laser powder bed fusion parts made of Ti-6Al-4V <i>Open Access</i> <a href="#">View in Scopus ↗</a> > <a href="#">View abstract</a>	Charles, A., Elkaseer, A., Thijs, L. and 1 more	2020	Applied Sciences (Switzerland)	20
Towards an adaptive design of quality, productivity and economic aspects when machining aisi 4340 steel with wiper inserts <i>Open Access</i> <a href="#">View in Scopus ↗</a> > <a href="#">View abstract</a>	Abbas, A.T., Abubakr, M., Elkaseer, A. and 3 more	2020	IEEE Access	10