



International Ranking Office

Ain Shams University
International Ranking Annual
Report 2020

مدير قطاع العلاقات الدولية والتعاون الأكاديمي
أ.د. شهيرة سمير زكي

مدير مكتب التصنيف الدولي
د. أحمد البنا



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التصنيف الدولي نافذة الجامعات المصرية على المجتمع الدولي

لقد أصبح التصنيف الدولي ضرورة لا غنى عنها في السنوات الأخيرة ، فالجامعات غير المصنفة على المستوى العالمى ليس لها مكان على الخريطة العالمية ، فالطالب قبل التحاقه بالجامعة يبحث عن مكانتها العالمية قبل المحلية ، كى يضمن فرصة عمل فى السوق المحلى والدولى أيضا .

جامعة عين شمس كواحدة من أعرق الجامعات تتواجد فى كل التصنيفات الدولية المرموقة مما يجعلها واحدة من أفضل 3% من جامعات العالم.

تؤمن الجامعة بأن كوادرها وامكانياتها البشرية والمادية واللوجستية تؤهلها لتحقيق ترتيبات متقدمة ضمن أفضل الجامعات فى التصنيفات الدولية المختلفة

وفى هذا الإطار فإن جامعة عين شمس تضع (النهوض بالتصنيف الدولى) ضمن أولوياتها الاستراتيجية التى تعمل عليها كل قطاعات الجامعة لخلق بيئة بحثية مناسبة تحفز المجتمع الجامعى والباحثين والتى من شأنها إظهار الجامعة بشكل متميز فى التصنيفات الدولية المختلفة .

أ.د محمود المتينى

رئيس جامعة عين شمس



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List of reputable international rankings with links to ASU rankings









Ranking	Website
ARWU(Shanghai)	http://www.shanghairanking.com/World-University-Rankings/Ain-Shams-University.html
Times Higher Education	https://www.timeshighereducation.com/world-university-rankings/ain-shams-university
QS	https://www.topuniversities.com/universities/ain-shams-university
US News	https://www.usnews.com/education/best-global-universities/ain-shams-university-500744
CWTS Leiden	https://www.leidenranking.com/Ranking/University2020?universityId=1528&fieldId=1&periodId=10&fractionalCounting=1&performanceDimension=0&rankingIndicator=pp_top10&minNPublics=100
Scimago	https://www.scimagoir.com/institution.php?idp=2281
Center of world university ranking	https://cwur.org/2020-21/Ain-Shams-University.php
University ranking by academic performance	https://www.urapcenter.org/Rankings/2019-2020/world-2019



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International rankings annual report 2020

Progress of Ain shams university in different international rankings

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	-	-	-	-	-	701-800	701-800	701-800	801-900	
	-	-	-	-	-	801+	801-1000	1001+	801-1000	1001+
	601+		601	701+ ***	701+	701+	701-750 ****	701-750	801-1000	801-1000
					717	685	714	729	667	648
	-	-	711	704	586	597	587	582	576	
	648	600	572	557	543	541	613	605	624	
	-	-	965	965	960	943	715	793	794	
 University Ranking by Academic Performance			629	638	630	622	631	637	637	607



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	International	Egypt	Region
	800-900	3	Africa 10
	1001 +	10	Africa 21
	1000 - 801	3	Africa 8 Arab15
	648	3	Africa 15
	576	2	Africa 8
	624	2	Africa 7 MENA 21
	794	2	Africa 7
	607	3	Africa 10



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Academic ranking of world universities ARWU (Shanghai)



A. World Ranking

Introduction

The Academic Ranking of World Universities (ARWU) was first published in June 2003 by the Center for World-Class Universities (CWCU), Graduate School of Education (formerly the Institute of Higher Education) of Shanghai Jiao Tong University, China, and updated on an annual basis. Since 2009 the Academic Ranking of World Universities (ARWU) has been published and copyrighted by Shanghai Ranking Consultancy. Shanghai Ranking Consultancy is a fully independent organization on higher education intelligence and not legally subordinated to any universities or government agencies.

ARWU uses six objective indicators to rank world universities, including the number of alumni and staff winning Nobel Prizes and Fields Medals, number of highly cited researchers selected by **Clarivate Analytics**, number of articles published in journals of Nature and Science, number of articles indexed in Science Citation Index - Expanded and Social Sciences Citation Index, and per capita performance of a university. More than 1800 universities are actually ranked by ARWU every year and the best 1000 are published.

Methodology

Criteria	Indicator	Code	Weight
Quality of Education	Alumni of an institution winning Nobel Prizes and Fields Medals	Alumni	10%
Quality of Faculty	Staff of an institution winning Nobel Prizes and Fields Medals	Award	20%
	Highly Cited Researchers	HiCi	20%
Research Output	Papers published in <i>Nature</i> and <i>Science</i> *	N&S	20%
	Papers indexed in Science Citation Index-Expanded and Social Science Citation Index	PUB	20%
Per Capita Performance	Per capita academic performance of an institution	PCP	10%
Total			100%



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Indicator	Definition
Alumni	The total number of the alumni of an institution winning Nobel Prizes and Fields Medals. Alumni are defined as those who obtain bachelor's, master's or doctoral degrees from the institution. Different weights are set according to the periods of obtaining degrees. The weight is 100% for alumni obtaining degrees after 2011, 90% for alumni obtaining degrees in 2001-2010, 80% for alumni obtaining degrees in 1991-2000, and so on, and finally 10% for alumni obtaining degrees in 1921-1930. If a person obtains more than one degree from an institution, the institution is considered once only.
Award	The total number of the staff of an institution winning Nobel Prizes in Physics, Chemistry, Medicine and Economics and Fields Medal in Mathematics. Staff is defined as those who work at an institution at the time of winning the prize. Different weights are set according to the periods of winning the prizes. The weight is 100% for winners after 2011, 90% for winners in 2001-2010, 80% for winners in 1991-2000, 70% for winners in 1981-1990, and so on, and finally 10% for winners in 1921-1930. If a winner is affiliated with more than one institution, each institution is assigned the reciprocal of the number of institutions. For Nobel prizes, if a prize is shared by more than one person, weights are set for winners according to their proportion of the prize.
HiCi	The number of Highly Cited Researchers selected by Clarivate Analytics. The Highly Cited Researchers list issued in December 2019 was used for the calculation of HiCi indicator in ARWU 2020. Only the primary affiliations of Highly Cited Researchers are considered.
N&S	The number of papers published in Nature and Science between 2015 and 2019. To distinguish the order of author affiliation, a weight of 100% is assigned for corresponding author affiliation, 50% for first author affiliation (second author affiliation if the first author affiliation is the same as corresponding author affiliation), 25% for the next author affiliation, and 10% for other author affiliations. When there are more than one corresponding author addresses, we consider the first corresponding author address as the corresponding author address and consider other corresponding author addresses as first author address, second author address etc. following the order of the author addresses. Only publications of 'Article' type is considered.
PUB	Total number of papers indexed in Science Citation Index-Expanded and Social Science Citation Index in 2019. Only publications of 'Article' type is considered. When calculating the total number of papers of an institution, a special weight of two is introduced for papers indexed in Social Science Citation Index.
PCP	The weighted scores of the above five indicators divided by the number of full-time equivalent academic staff. If the number of academic staff for institutions of a country cannot be obtained, the weighted scores of the above five indicators is used. For ARWU 2020, the numbers of full-time equivalent academic staff are obtained for institutions in USA, UK, France, Canada, Japan, Italy, Australia, Netherlands, Sweden, Switzerland, Belgium, South Korea, Czech, Slovenia, New Zealand etc.

Ain shams performance among all parameters 2017-202								
	RANKING	IN EGYPT	Alumni	Award	HiCi	N&S	PUB	PCP
2017	701-800	2-3	0	0	0	3.6	26.2	13.2
2018	701-800	2-3	0	0	0	3.9	26.5	13.1
2019	701-800	2-3	0	0	0	2.1	28.3	13.7
2020	801-900	3-4	0	0	0	1.4	28.4	11.2



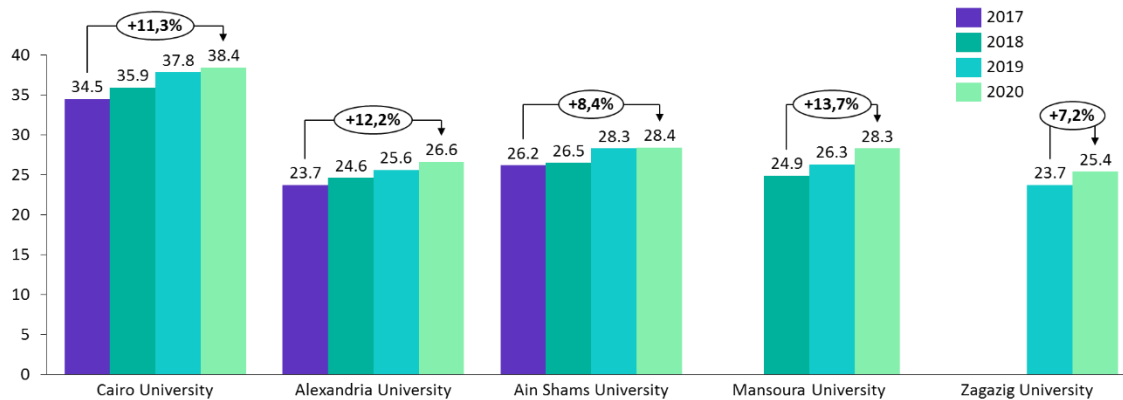
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World Rank	University	National Rank	Quality of Education	Quality of Faculty		Research Output		Per capita performance
			Alumni Score	Award Score	Highly Cited Researchers	Nature & Science papers	Indexed Papers	Per capita
401-500	Cairo University	1	18.0	0	0	1.4	38.4	15.9
701-800	Alexandria University	2	12.1	0	0	1.4	26.6	11.0
801-900	Ain Shams University	3-4	0	0	0	1.4	28.4	11.2
801-900	Mansoura University	3-4	0	0	0	1.4	28.3	11.2
901-1000	Zagazig University	5	0	0	0	1.4	25.4	10.0



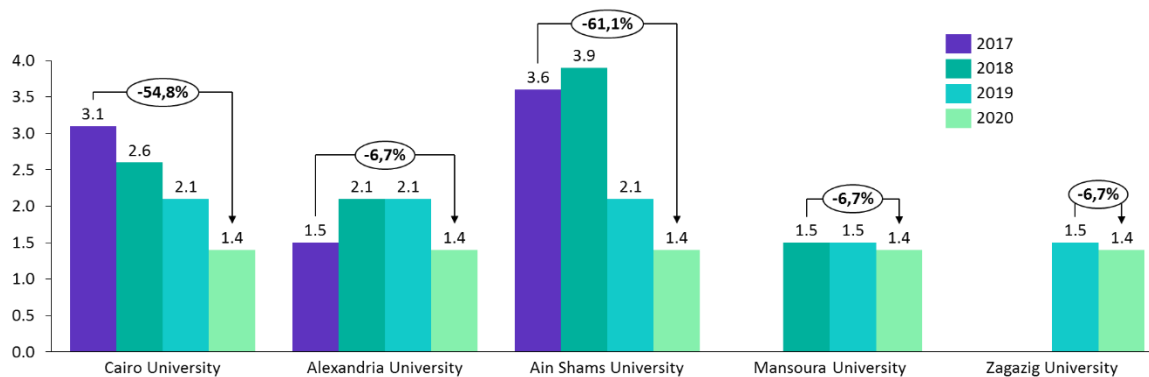
Academic Ranking of World Universities 2020 Results

Overview: change in the **score** achieved in **the number of publications in indexed journals**



Overall we see a positive trend in the score achieved by the number of papers published in science citation index expanded and social science citation index journals. This is an indicator of stable increasing research productivity of Egyptian universities

Overview: change in the **score** achieved in **papers published in Nature & Science journals**



We see a decrease in the score achieved by the number of papers published in Nature & Science. This influences the overall ranking of Egyptian universities



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B. ARWU Subject ranking

Ain shams subject ranking 2020 compared to 2019 out of 54 subjects

Subject	2019	2020	
Clinical medicine	401-500	301-400	Up
Dentistry & oral sciences	201-300	201-300	same
Pharmacy and Pharmaceutical sciences	201-300	201-300	same
Public health	NA	401-500	Up
Energy science and engineering	401-500	301-400	Up
Electrical and electronic engineering	401-500	NA	down
Chemical engineering	401-500	NA	down

Scoring

For each indicator, institutions are calculated as a percentage of the top scored institution, then the square root of the percentage is multiplied by the allocated weight. A final score is arrived by adding scores for all indicators and the final score is ranked in descending order.

In calculating the score of CNCI, the maximum value of CNCI in a subject is set as the lower value of:

- (1) The twice of the average CNCI for all institutions in this subject;
- (2) The maximum of the CNCI for all institutions in this subject. Institutions' scores on CNCI are calculated as the proportion of their CNCI to the maximum value. If an institution's CNCI is higher than the maximum value, its score on CNCI will be assigned as 100.



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Definition of Indicators for subject ranking

Indicators	Definition
Q1	Q1 is the number of papers authored by an institution in an Academic Subject in journals with Q1 Journal Impact Factor Quartile during the period of 2014-2018. Only papers of 'Article' type are considered. Data are collected from Web of Science and InCites. Papers in different Web of Science categories are grouped into relevant Academic Subjects (Classification of Web of Science Categories into Academic Subjects).
CNCI	Category Normalized Citation Impact (CNCI) is the ratio of citation of papers published by an institution in an Academic Subject during the period of 2014-2018 to the average citations of papers in the same category, of the same year and same type. A CNCI value of 1 represents world-average performance while a value above 1 represents performance above the world average. Only papers of 'Article' type are considered. Data are collected from InCites database.
IC	International collaboration (IC) is the number of publications that have been found with at least two different countries in addresses of the authors divided by the total number of publications in an Academic Subject for an institution during the period of 2014-2018. Only papers of 'Article' type are considered. Data are collected from InCites database.
Top	Top is the number of papers published in Top Journals in an Academic Subject for an institution during the period of 2014-2018. Top Journals are identified through ShanghaiRanking's Academic Excellence Survey . In 2020, 151 top journals selected by the Survey are used in rankings of 47 Academic Subjects. In Computer Science & Engineering, 22 selected top conferences are also taken into account this year. The list of the top journals and conferences can be found here . Only papers of 'Article' type are considered for this indicator. But in the subject of Pharmacy & Pharmaceutical Sciences, both "Article" and "Review" are counted because only one journal in this subject was selected as Top journal and it mainly publishes reviews.
Award	<p>Award refers to the total number of the staff of an institution winning a significant award in an Academic Subject since 1981. Staff is defined as those who work full-time at an institution at the time of winning the prize. If a researcher retired at the time of winning the award, we count the institution where the researcher's last full-time academic position was at. The significant awards in each subject are identified through Shanghai Ranking's Academic Excellence Survey.</p> <p>If a winner is affiliated with more than one institution at the time of winning the award, each institution is assigned the reciprocal of the number of institutions. If the award is awarded to more than one winner in one year, weights are set for winners according to their proportion of the prize. Different weights are set according to the periods of winning the prizes. The weight is 100% for winners in 2011-2018, 75% for winners in 2001-2010, 50% for winners in 1991-2000, and 25% for winners in 1981-1990.</p> <p>Nobel Prize in Physiology or Medicine is selected for Biological Sciences, Human Biological Sciences, Clinical Medicine and Pharmacy & Pharmaceutical Sciences. Winners of this award are assigned to one or more subjects according to the topics of their recognized contributions. If a contribution belongs to more than one subject, the winner will be counted once for each relevant subject.</p>



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Times Higher education THE



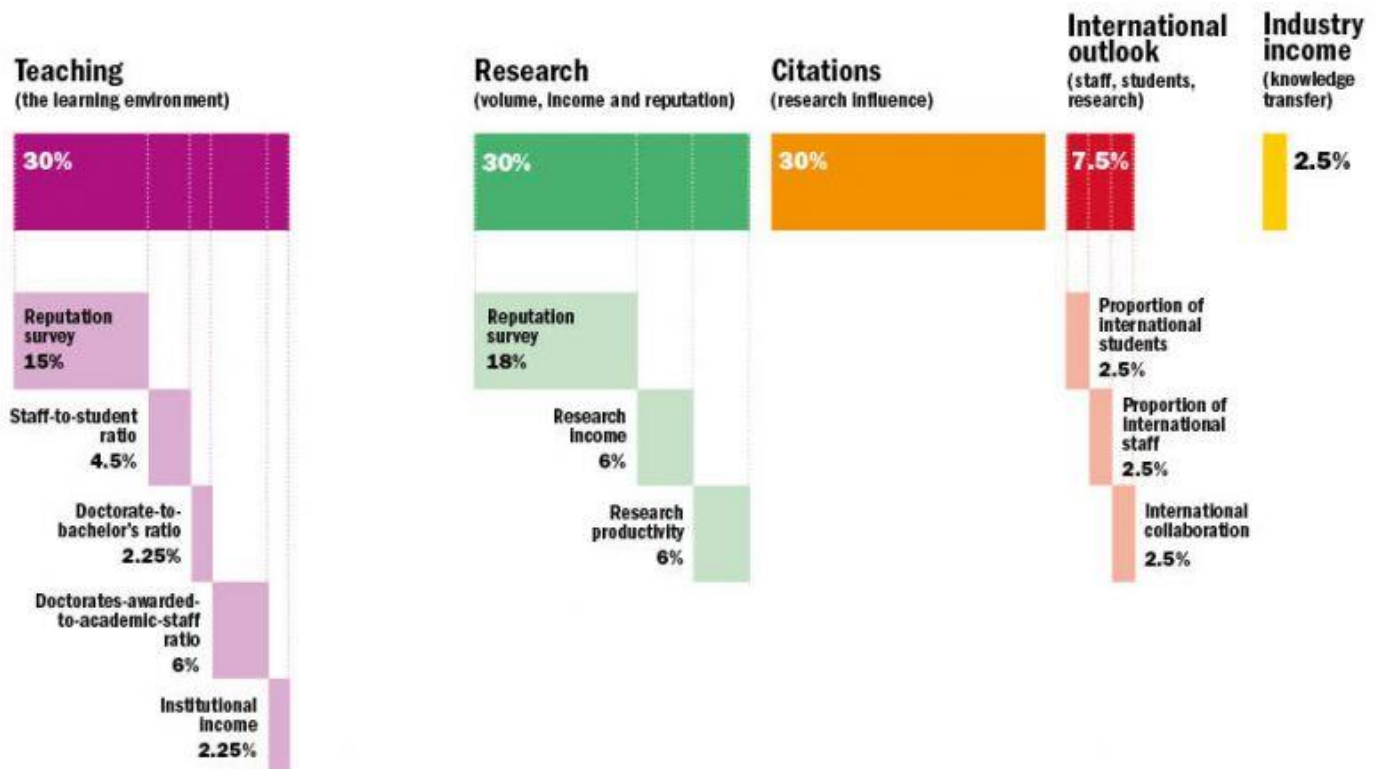
World university ranking

The Times Higher Education World University Rankings 2021 include more than 1,500 universities across 93 countries and regions, making them the largest and most diverse university rankings to date.

The table is based on 13 carefully calibrated performance indicators that measure an institution's performance across four areas: teaching, research, knowledge transfer and international outlook.

This year's ranking analysed more than 80 million citations across over 13 million research publications and included survey responses from 22,000 scholars globally.

THE ranking 13 performance indicators are grouped into five areas:



- □ **Teaching:** the learning environment (worth 30% of the overall ranking score)
- □ **Research:** volume, income and reputation (worth 30%)
- □ **Citations:** research influence (worth 30%)
- □ **Industry income:** innovation (worth 2.5%)
- □ **International outlook:** staff, students and research (worth 7.5%)



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Year	Rank	Overall	teaching	research	citations	Industry income	International outlook
2021	1001+	10.3–25.0	22.6	10.5	37.7	34.6	36.2
2020	800-1000	22.2–28.2	21.0	10.1	31.5	35.6	36.0
2019	1001+	9.8–18.9	17.6	8.7	17.4	35.5	36.1
2018	800-1000	15.6–21.4	21.1	8.2	13.5	33.0	34.9

THE Subjects	2020	2021
Clinical, Preclinical and health	251-300	176-200
Engineering and technology	601-800	801-1000
Life science	601+	601-800
Computer science	501-600	601-800

THE subject ranking indicators for ASU

Clinical, preclinical & health							
	Rank	Overall	Citations	Industry income	International outlook	Research	Teaching
2021	176-200	42.5–44.0	50.4	41.4	45.3	27.4	47.4
2020	251-300	36.4–38.8	45.8	41.7	42.3	24.4	37.8



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Engineering & technology

	Rank	Overall	Citations	Industry income	Internationa l outlook	Research	Teaching
2021	801-1000	14.4–20.3	26.7	34.4	39.5	9.2	16.1
2020	601-800	18.5–26.8	30.5	35.1	40.0	8.4	17.5

Life science

	Rank	Overall	Citations	Industry income	Internationa l outlook	Research	Teaching
2021	601-800	6.3–26.3	20.0	30.4	32.1	11.3	20.3
2020	601+	7.2–23.2	19.3	29.8	32.5	8.2	17.4

Computer science

	Rank	Overall	Citations	Industry income	Internationa l outlook	Research	Teaching
2021	601-800	15.1–25.6	28.4	44.6	25.7	10.0	20.5
2020	501-600	23.5–28.4	35.3	39.1	27.5	11.9	25.0



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THE impact ranking

The Times Higher Education Impact Rankings are the only global performance tables that assess universities against the United Nations' Sustainable Development Goals (SDGs). THE use carefully calibrated indicators to provide comprehensive and balanced comparisons across three broad areas: research, outreach and stewardship. This second edition includes 768 universities from 85 countries.



THE Impact Rankings 2020

OVERALL SCORE

56.4 out of 100

OVERALL RANK

401–600 out of 766 institutions

SDG PARTICIPATED

6 out of 17 Sustainable Development Goals

2020	401–600	Ain Shams University Egypt	3 58.5–67.3	5 41.3–51.7	16 50.1–63.1	17 37.8–54.2	46.7–61.4
						SDG Descriptions	
2019	101–200	Ain Shams University Egypt	3 74.5	5 42.1–57.0	4 48.1–58.3	17 50.2–68.5	64.6–75.6
						SDG Descriptions	



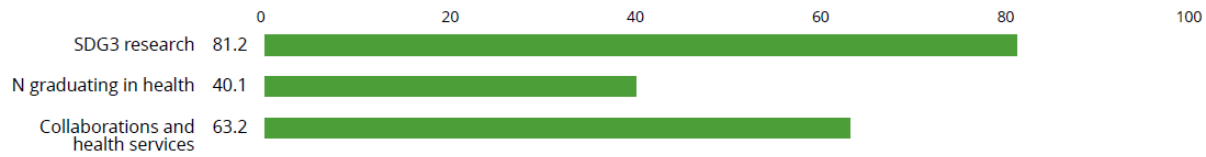
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3

GOOD HEALTH AND WELLBEING

QUALIFYING SDG - 26% OF OVERALL

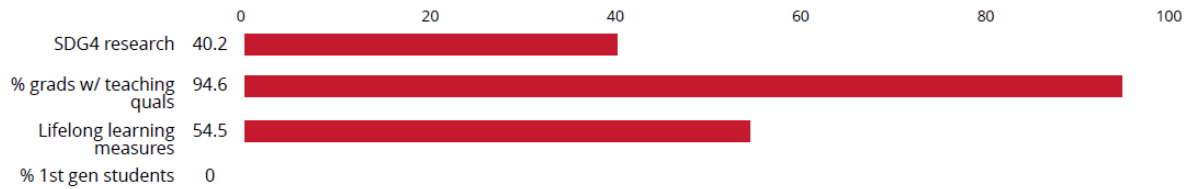
RANK
SCORE **60.1** **201-**
out of 620 institutions



4

QUALITY EDUCATION

RANK
SCORE **40.0** **401-**
out of 676 institutions

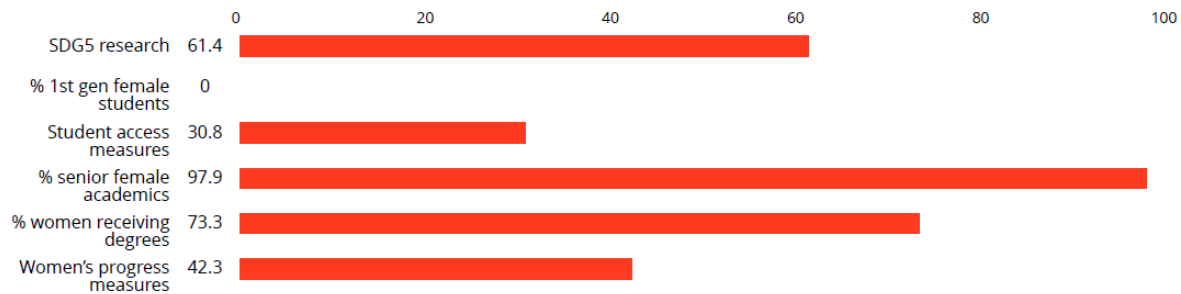


5

GENDER EQUALITY

QUALIFYING SDG - 26% OF OVERALL

RANK
SCORE **51.3** **201-**
out of 547 institutions



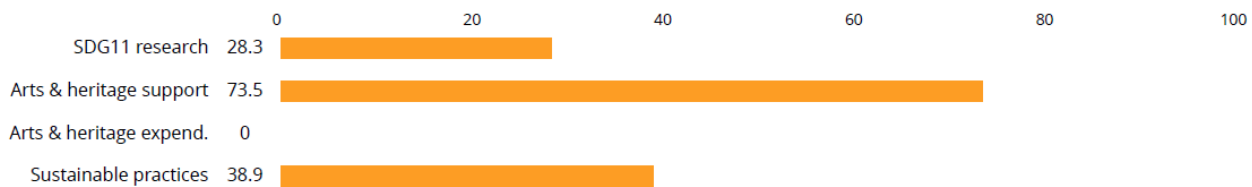


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11

SUSTAINABLE CITIES AND COMMUNITIES

RANK
301–
SCORE **37.9** **400** out of 470 institutions

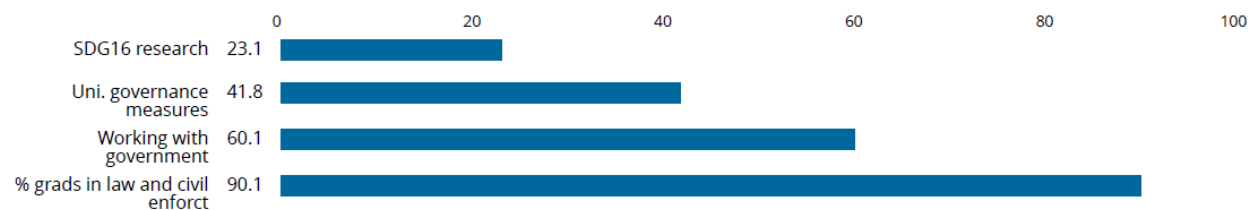


16

PEACE, JUSTICE AND STRONG INSTITUTIONS

QUALIFYING SDG - 26% OF OVERALL

RANK
201–
SCORE **52.2** **300** out of 453 institutions

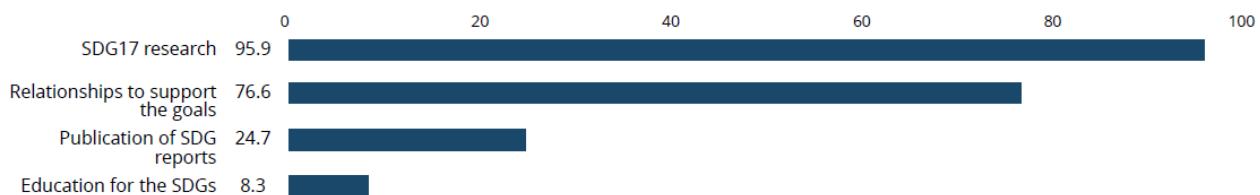


17

PARTNERSHIP FOR THE GOALS

MANDATORY QUALIFYING SDG - 22% OF OVERALL

RANK
401–
SCORE **49.2** **600** out of 806 institutions





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QS Rankings

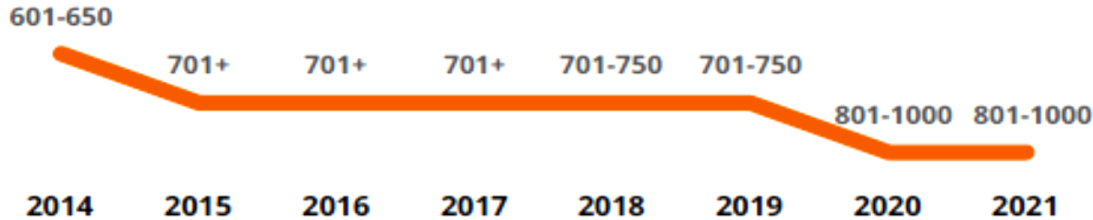
www.TopUniversities.com

QS World ranking

QS Quacquarelli Symonds is the world's leading provider of services, analytics, and insight to the global higher education sector, whose mission is to enable motivated people anywhere in the world to fulfil their potential through educational achievement, international mobility, and career development.

The QS Intelligence Unit – QS's research and professional services division – provides universities across the world with bespoke comparative performance analysis according to metrics central to each institution's mission: teaching, research impact, reputational standing, student employability, and internationalization.

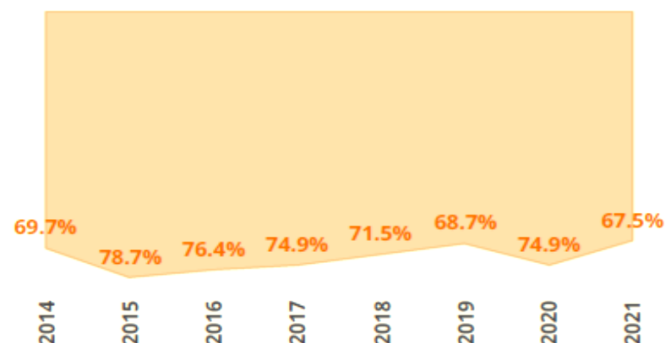
QS world ranking methodology



PERCENTILE EVOLUTION QS WORLD UNIVERSITY RANKINGS

TOP 68%

In the 2021 edition, the institution performed among the top 68% in the QS World University Rankings.





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Indicator	Definition	Weight
Academic Reputation	Taken from the annual survey conducted by QS designed to evaluate the perceptions of academics from around the world regarding the best institutions in terms of research. In this edition, over 102,500 responses were recorded globally.	40%
Employer Reputation	Taken from the annual QS survey aimed at gathering the views of employers around the world on the institutions providing the best professionals. For the 2021 edition, around 52,000 responses were analysed.	10%
Faculty Student	This is the ratio between the number of academic staff and number of students. A higher number of teachers per student is an indirect indicator of the commitment of the institutions to high-quality teaching.	20%
Citations per Faculty	This ratio measures the average number of citations obtained per faculty member, and is an estimate of the impact and quality of the scientific work produced by universities. This indicator is calculated using data from Scopus. To avoid anomalous results, an affiliation cap is applied discarding papers with an unusually high number of affiliations. Self-citations are excluded and citation counts are normalized, ensuring that citations achieved in each of the five broad faculty areas are weighted equally	20%
International Faculty	The International Faculty Index is simply based on the proportion of faculty members that are international. It is a proxy measure for how internationally attractive the university is to academic staff. Universities based in locations known for attracting high proportions of expatriates perform well here such as those in Hong Kong, Switzerland and UAE.	5%
International Students	Similar in nature to the International Faculty Index, the International Students Index is based on the proportion of students that are international. It is a proxy measure for how internationally attractive the university is to students. Attracting international faculty and students can be challenging for institutions that are more nationally or regionally focused.	5%



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Ain shams scores by indicator

Overall	12.6
Academic Reputation	16.8
Employer Reputation	19.7
Faculty Student	11.4
Citations per Faculty	2.3
International Faculty	18.3
International Students	3.1

Ain Shams verified data

Students	204935
International Students	5774
Faculty Staff	12396
International Faculty	1231
Citations (Normalized)	58156
Citations (Excluding Self-Citations)	44594
Citations (Including Self-Citations)	58039
Papers	9625

The figures above are full-time equivalent (FTE). In those cases where only the headcounts were available, the FTE was calculated by applying a ratio based on country or regional average.

Papers period: 2014-2018 | Citations period: 2014-2019

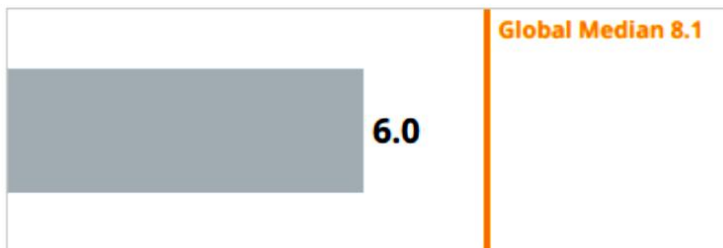


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The following charts present the ratios utilized for rankings calculations for your institution, compared against the global median results.

FACULTY STUDENT RATIO

Faculty staff per 100 students



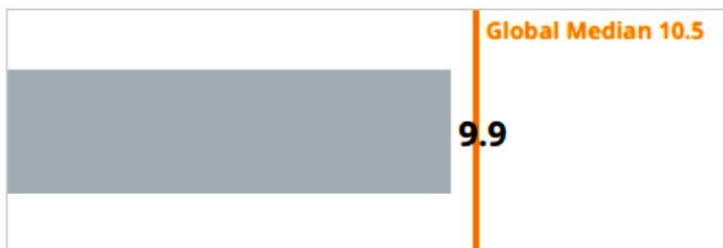
CITATIONS PER FACULTY

Normalized citations per faculty member



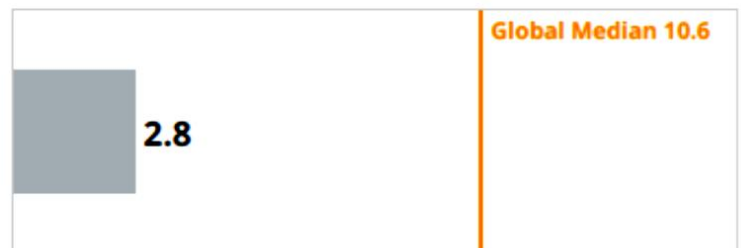
INTERNATIONAL FACULTY RATIO

International faculty staff per 100 faculty members



INTERNATIONAL STUDENTS RATIO

International students per 100 students



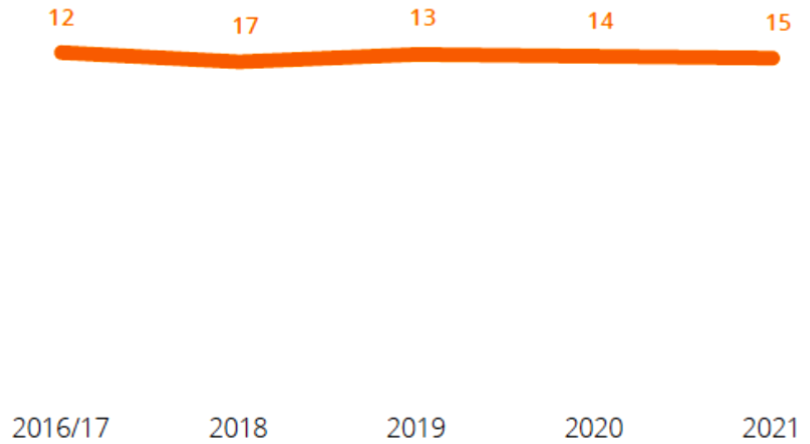


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QS Arab Ranking

RANKINGS TREND

Since 2016, Ain Shams University moved down 3 places. Over the 5 considered years, the institution moved up once and fell 3 times.

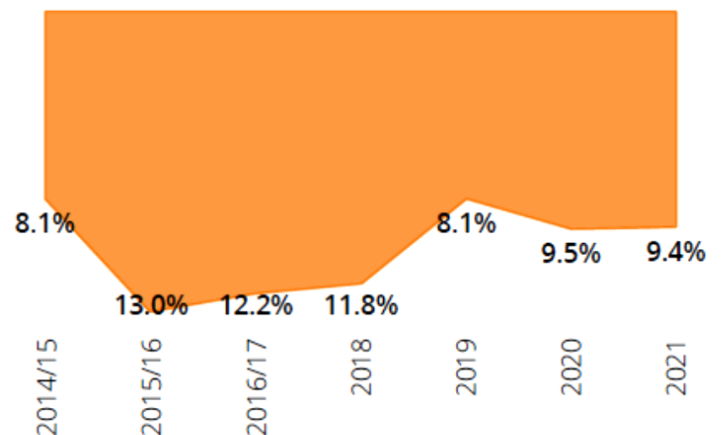


TOP 10%

In the 2021 edition, Ain Shams University performed among the top 10% in the QS World University Rankings : Arab Region.

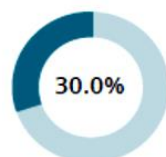
PERCENTILE EVOLUTION

QS World University Rankings : ARAB REGION



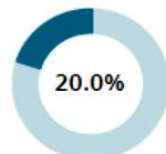


International Ranking Office



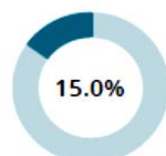
Academic Reputation

Taken from the annual survey conducted by QS designed to evaluate the perceptions of academics from around the world regarding the best institutions in terms of research. This year, over 102,500 responses were recorded globally.



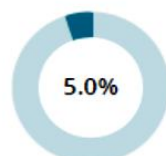
Employer Reputation

Taken from the annual QS survey aimed at gathering the views of employers around the world on the institutions providing the best professionals. This year around 52,000 responses were analysed.



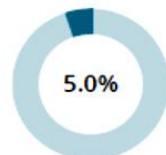
Faculty Student

This is the ratio between the number of academic staff and number of students. A higher number of teachers per student is an indirect indicator of the commitment of the institutions to high-quality teaching.



Staff with PhD

This indicator attempts to assess the quality of training of the academic staff, detecting the proportion of them that have reached the highest level of education in their area of expertise. This is an indirect measure of the commitment of universities to high-quality teaching and research.



Citations per Paper

This ratio measures the average number of citations obtained per publication, and is a proxy of the impact and quality of the scientific work done by universities. Underlying data of papers and citations is indexed by Scopus. The paper and citations counts are normalized in an attempt to equalize the influence of citations across the five broad faculty areas.



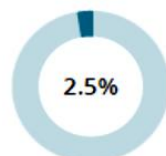
Papers per Faculty

This indicator seeks to determine the average number of scientific publications (papers) produced per faculty and evaluates the productivity of research institutions. Data is extracted from Scopus. Indexed papers in the last five full years are used (from 2014 to 2018 for the 2021 edition). The paper count is normalized, ensuring that citations achieved in each of the five broad faculty areas are weighted equally.



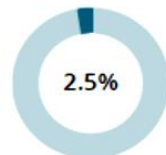
International Research Network

Using data provided by Scopus, this indicator assesses the degree of international openness in terms of research collaboration for each evaluated institution. The Margalef Index, widely used in the environmental sciences, has been adapted to estimate the richness of the selected international research partners for a given institution.



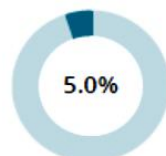
International Faculty

The International Faculty Index is simply based on the proportion of faculty members that are international. It is a proxy measure for how internationally attractive the university is to academic staff.



International Students

The International Students Index is based on the proportion of students that are international. It is a proxy measure for how internationally attractive the university is to students.



Web Impact

This indicator seeks to assess the effectiveness with which institutions are making use of new technologies. Baseline information is provided by the Ranking Web of Universities (www.webometrics.info), although the results are refactored to exclude the Excellence indicator, which is already considered in the metrics related to scientific research.



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Academic Reputation

Taken from the annual survey conducted by QS designed to evaluate the perceptions of academics from around the world regarding the best institutions in terms of research. This year, over 102,500 responses were recorded globally

30%

Employer Reputation

Taken from the annual QS survey aimed at gathering the views of employers around the world on the institutions providing the best professionals. This year around 52,000 responses were analysed

20%

Faculty Student

This is the ratio between the number of academic staff and number of students. A higher number of teachers per student is an indirect indicator of the commitment of the institutions to high-quality teaching.

15%

Staff with PhD

This indicator attempts to assess the quality of training of the academic staff, detecting the proportion of them that have reached the highest level of education in their area of expertise. This is an indirect measure of the commitment of universities to high-quality teaching and research.

5%

Citations per Paper

This ratio measures the average number of citations obtained per publication, and is a proxy of the impact and quality of the scientific work done by universities. Underlying data of papers and citations is indexed by Scopus. The paper and citations counts are normalized in an attempt to equalize the influence of citations across the five broad faculty areas.

5%

Papers per Faculty

This indicator seeks to determine the average number of scientific publications (papers) produced per faculty and evaluates the productivity of research institutions. Data is extracted from Scopus. Indexed papers in the last five full years are used (from 2014 to 2018 for the 2021 edition). The paper count is normalized, ensuring that citations achieved in each of the five broad faculty areas are weighted equally.

5%

International Research Network

Using data provided by Scopus, this indicator assesses the degree of international openness in terms of research collaboration for each evaluated institution. The Margalef Index, widely used in the environmental sciences, has been adapted to estimate the richness of the selected international research partners for a given institution.

10%

International Faculty

The International Faculty Index is simply based on the proportion of faculty members that are international. It is a proxy measure for how internationally attractive the university is to academic staff

2.5%

International Students

The International Students Index is based on the proportion of students that are international. It is a proxy measure for how internationally attractive the university is to students

2.5%

Web Impact

This indicator seeks to assess the effectiveness with which institutions are making use of new technologies. Baseline information is provided by the Ranking Web of Universities (www.webometrics.info), although the results are refactored to exclude the Excellence indicator, which is already considered in the metrics related to scientific research.

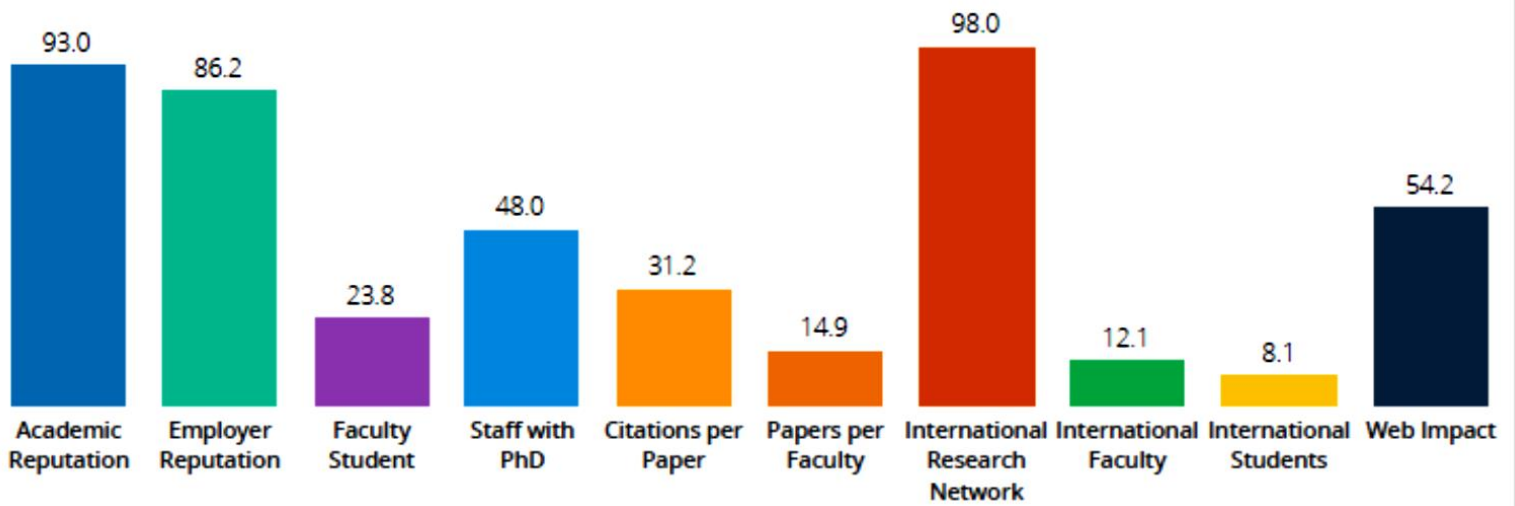
5%



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SCORES BY INDICATOR

EACH INDICATOR CAN REACH A MAXIMUM OF 100 POINTS





International
Ranking Office

QS Subject Rankings

Ain shams is ranked in 3 broad subject areas, ranked in 11 subjects and scored in 30 subjects

		Subject	2018	2019	2020
Arts & Humanities		Arts & Humanities			451-500
		Art & Design			
		History			
		Archaeology			
		Architecture / Built Environment			
		Classics & Ancient History			
		English Language & Literature			
		Linguistics			
		Modern Languages			201-250
		Performing Arts			
		Philosophy			
		Theology, Divinity & Religious Studies			
Engineering and Technology		Engineering & Technology	392=	401-450	342
		Computer Science & Information Systems		401-450	301-350
		Engineering - Chemical			
		Engineering - Civil & Structural			151-200
		Engineering - Mechanical, Aeronautical & Manufacturing		351-400	251-300
		Engineering - Electrical & Electronic		301-350	201-250
Life Science & medicine		Life Sciences & Medicine	401-450	401-450	401-450
		Agriculture & Forestry		251-300	251-300
		Anatomy & Physiology			
		Biological Sciences		451-500	401-450
		Medicine	351-400	301-350	301-350
		Pharmacy & Pharmacology		201-250	151-200
		Psychology			
		Veterinary Science			
		Dentistry			
		Nursing			



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Natural Sciences	Subject	2018	2019	2020
	Natural Sciences			
	Chemistry		401-500	401-450
	Earth & Marine Sciences			
	Environmental Sciences			
	Geography			
	Materials Science			
	Mathematics			
	Physics & Astronomy		501-550	451-500
Social Sciences & Management	Social Sciences & Management			
	Accounting & Finance			
	Anthropology			
	Business & Management Studies			
	Communication & Media Studies			
	Development Studies			
	Economics & Econometrics			
	Education			
	Hospitality & Leisure Management			
	Law			
	Library & Information Management			
	Politics & International Studies			
	Social Policy & Administration			
	Sociology			
	Sports-related Subjects			
	Statistics & Operational Research			



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METHODOLOGY: DEFINITIONS & WEIGHTINGS

ACADEMIC REPUTATION				
<p>Between 2015 and 2019 QS has collected votes from over 94,000 academics around the world. Each academic counted has given their opinion on universities in their fields of expertises.</p>	EMPLOYER REPUTATION	CITATIONS PER PAPER	H-INDEX	
	<p>The employability metric is based on employer reputation. Over 44,000 global employer votes have been taken into account between 2015 and 2019 giving us a large pool of information in terms of hiring levels. Employers across all sectors and industries have taken part in the survey and include Facebook, Google, Uber, Wells Fargo, Bank of America etc.</p>	<p>This ratio measures the average number of citations obtained per publication, and is an estimate of the impact and quality of the scientific work done by universities. To avoid anomalous results, only the institutions producing a minimum number of papers in the last five years are evaluated.</p>	<p>The h-index is an index that attempts to measure both the productivity and impact of the work published by the institutions' scientists and scholars. The index is based on the set of the institution's most cited papers and the number of citations that they have received in other publications.</p>	
	Arts & Humanities	60%	20%	10%
	Engineering & Technology	40%	30%	15%
	Life Sciences & Medicine	40%	10%	25%
Natural Sciences		40%	20%	20%
	Social Sciences & Management	50%	30%	10%



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Below is the institution's detailed performance by indicator and overall score across the 48 subjects currently featured in the QS World University. Rankings by Subject. It is very unusual for an institution to qualify for consideration in all 48 subjects.

		Global Rank	Domestic Rank	Academic	Employer	Citations	H-index	Score
Arts & Humanities	Arts & Humanities	451-500	3	61.7	68.5	49.7	21.8	57.9
	Archaeology			34.3	48.0	46.6	38.1	37.3
	Architecture / Built Environment			45.4	79.8	60.7	60.0	51.8
	Art & Design			34.2	76.8			38.5
	Classics & Ancient History			36.3	39.0			36.6
	English Language & Literature							
	History							
	Linguistics			40.7	50.0	29.1	18.5	39.9
	Modern Languages	201-250	3	64.4	66.5			65.0
	Performing Arts			34.5	52.2			38.0
	Philosophy							
	Theology, Divinity & Religious Studies							
Engineering & Technology	Engineering & Technology	342=	3	58.4	69.0	74.9	59.8	64.3
	Computer Science & Information Systems	301-350	2	43.3	76.4	64.0	66.7	59.8
	Engineering - Chemical							
	Engineering - Civil & Structural	151-200	2	64.2	77.3	64.3	65.9	68.4
	Engineering - Electrical & Electronic	201-250	2	48.8	78.7	72.9	62.7	63.5
	Engineering - Mechanical, Aeronautical & Manufact..	251-300	2	48.0	78.1	74.4	65.4	63.6
Life Sciences & Medicine	Life Sciences & Medicine	401-450	2	62.5	66.8	54.4	42.0	55.8
	Agriculture & Forestry	251-300	2	46.9	47.2	66.6	68.6	55.2
	Anatomy & Physiology			48.1	60.7	33.0	56.8	47.8
	Biological Sciences	401-450	2	51.7	57.1	71.2	64.9	60.4
	Dentistry			25.7	45.7	61.5	57.1	47.9
	Medicine	301-350	2	58.7	64.2	73.8	67.3	65.2
	Nursing			52.6	71.7	39.1	33.1	44.6
	Pharmacy & Pharmacology	151-200	3	55.7	69.5	78.4	76.6	68.0
	Psychology							
	Veterinary Science			41.6	77.8	50.1	45.4	48.9

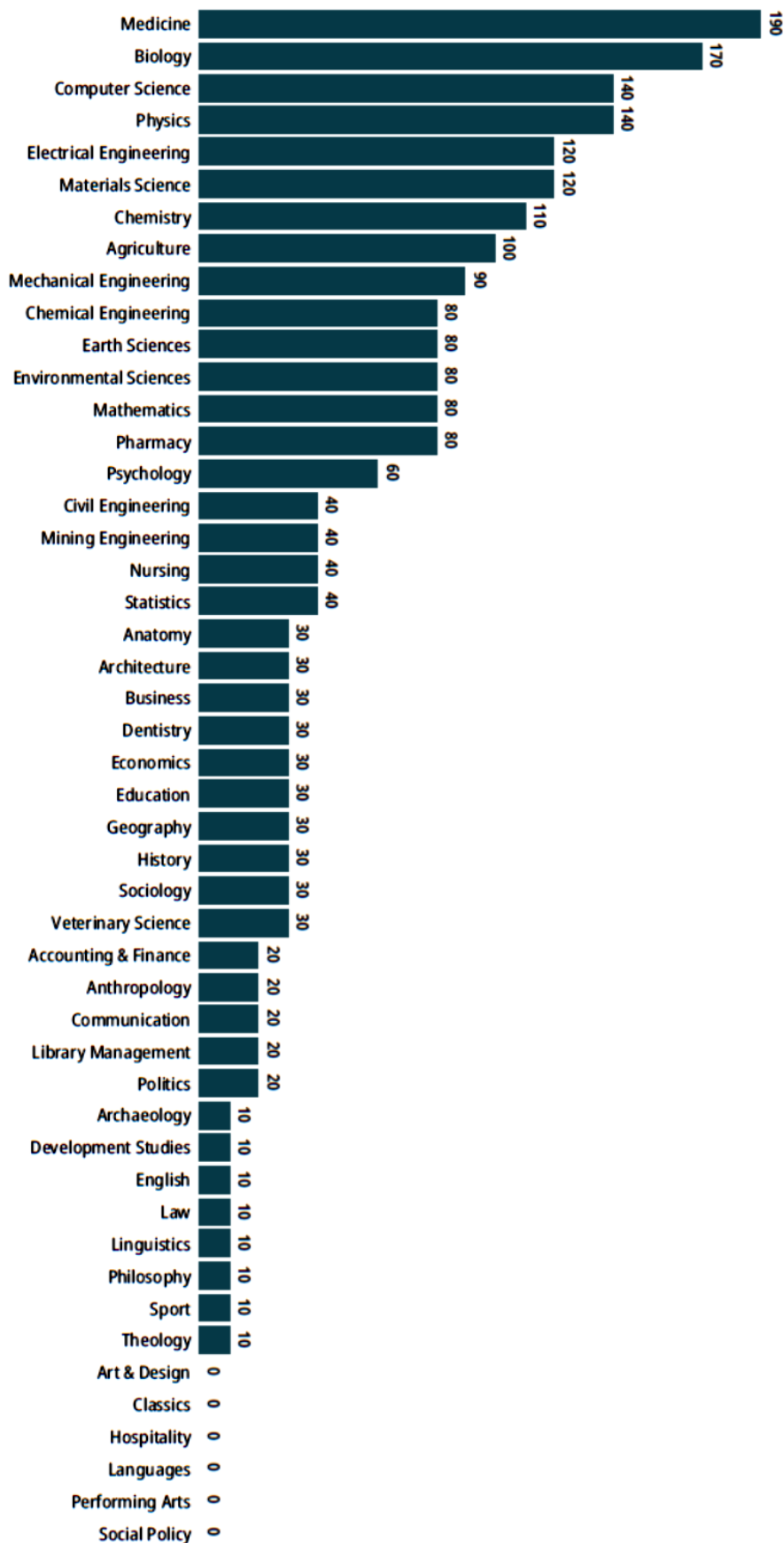


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		Global Rank	Domestic Rank	Academic	Employer	Citations	H-index	Score
Natural Sciences	Natural Sciences			51.1	58.6	60.6	65.5	57.4
	Chemistry	401-450	4	45.4	67.4	74.0	61.1	58.7
	Earth & Marine Sciences			46.1	50.6	51.8	59.9	51.4
	Environmental Sciences			53.3	63.9	62.5	52.9	56.6
	Geography							
	Materials Science			39.4	56.8	79.5	56.4	55.4
	Mathematics			40.2	59.0	55.6	50.0	49.0
	Physics & Astronomy	451-500	2	45.7	53.2	67.0	65.4	55.4
Social Sciences & Management	Social Sciences & Management			54.7	66.3	57.3	32.5	56.2
	Accounting & Finance							
	Anthropology							
	Business & Management Studies			36.1	69.4	58.9	56.1	50.4
	Communication & Media Studies							
	Development Studies							
	Economics & Econometrics							
	Education							
	Hospitality & Leisure Management							
	Law			47.0	69.9	48.2	37.5	52.5
	Library & Information Management			60.5	48.3	27.0	26.5	52.6
	Politics & International Studies							
	Social Policy & Administration			36.7	70.6			39.8
	Sociology							
	Sports-related Subjects							
	Statistics & Operational Research			39.0	56.9	40.1	55.0	44.2



International
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PAPER THRESHOLD BY SUBJECT-2020
MINIMUM NUMBER OF PUBLICATIONS INDEXED BY SCOPUS REQUIRED TO BE CONSIDERED IN THE SUBJECT



International
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US News Ranking



POWERED BY
Clarivate

The overall Best Global Universities rankings encompass nearly 1,500 top institutions spread across 86 countries, up from 81 countries last year. The first step in producing these rankings, which are powered by Clarivate, involved creating a pool of 1,748 universities that was used to rank the top 1,500 schools.

To create the pool of 1,748, U.S. News first included the top 250 universities in the results of Clarivate's global reputation survey, described further below. Next, U.S. News added institutions that had met the minimum threshold of at least 1,250 papers published in 2014 to 2018, down from 1,500 papers last year. The last step was to remove duplicates and institutions that are not schools to reach the final 2021 ranking pool of 1,748 institutions.

Ain shams University situation 2021 compared to 2020

	2020	2021
overall	667	648
Africa	13	15
Egypt	3	3
Chemistry	571	608
Physics	424	449
Clinical medicine	418	410
Pharmacology	164	152
Engineering	518	467
Electrical and electronic engineering	-	371
Materials science	471	-



International Ranking Office

2020

Global Universities Rankings

- 🏆 #667 in Best Global Universities (tie)
- 🏆 #13 in Best Global Universities in Africa
- 🏆 #3 in Best Global Universities in Egypt

Subject Rankings

- 🏆 #571 in Chemistry (tie)
- 🏆 #418 in Clinical Medicine (tie)
- 🏆 #518 in Engineering (tie)
- 🏆 #471 in Materials Science
- 🏆 #164 in Pharmacology and Toxicology
- 🏆 #424 in Physics

2021

Ain Shams University Rankings

- 🏆 #648 in Best Global Universities (tie)
- 🏆 #15 in Best Global Universities in Africa
- 🏆 #3 in Best Global Universities in Egypt

Ain Shams University Subject Rankings

- 🏆 #608 in Chemistry (tie)
- 🏆 #410 in Clinical Medicine (tie)
- 🏆 #371 in Electrical and Electronic Engineering
- 🏆 #467 in Engineering (tie)
- 🏆 #152 in Pharmacology and Toxicology
- 🏆 #449 in Physics

US news ranking indicators and weight

Ranking indicator	Weight %
Global research reputation 12.5%	12.5
Regional research reputation 12.5%	12.5
Publications 10%	10
Books 2.5%	2.5
Conferences 2.5%	2.5
Normalized citation impact 10%	10
Total citations 7.5%	7.5
Number of publications that are among the 10 percent most cited 12.5%	12.5
Percentage of total publications that are among the 10 percent most cited 10%	10
International collaboration 5%	5
Percentage of total publications with international collaboration 5%	5
Number of highly cited papers that are among the top 1 percent most cited in their respective field	5
Percentage of total publications that are among the top 1 percent	5



International
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Progress of Egyptian Universities in US news global university ranking

National Rank 2020	Year, # of Published List of the Int. Univ. Egyptian Universities	2014 P.U.	2015 P.U.	2016 P.U.	2017 P.U.	2018 P.U.	2019 P.U.	2020 Pub.Univ.	Remarks 2019 to 2020
		500	800	1000	1200	1400	1400	1500	
1	Cairo University	443	515	511	450	448	434	427	Up
2	Mansoura University			856	756	698	663	547	Up
3	Ain-Shams University		717	685	714	729	667	648	Up
4	Alexandria University		725	765	742	745	778	790	Less
5	Assiut University			829	835	853	885	892	Less
6	Suez Canal University				686	717	928	913	Up
7	Zagazig University				985	989	1009	978	Up
8	Beni-Suef University						951	1012	Less
9	Helwan University				634	1077	1022	1016	Up
10	Tanta University				1070	1060	1050	1022	Up
11	Al Azhar University			959	977	985	1082	1038	Up
12	Kafrelsheikh University							1056	1st-Up
13	Benha University						1162	1182	Less
14	Minia University						1259	1209	Up
15	Menoufia University				1154	1164	1378	1339	Up
16	Sohag University							1423	1st-Up



**International
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Performance of ASU in different indicators

Indicator	Rank
Global score:	46.2
Global research reputation:	719
Regional research reputation:	12
Publications:	575
Books:	1249
Conferences:	488
Normalized citation impact:	945
Total citations:	622
Number of publications that are among the 10% most cited:	709
Percentage of total publications that are among the 10% most cited:	1241
International collaboration - relative to country:	1217
International collaboration:	583
Number of highly cited papers that are among the top 1% most cited	661

Clinical medicine # 410

Clinical Medicine overall score: 47.7
Clinical Medicine global research reputation: #516
Clinical Medicine regional research reputation: #4
Clinical Medicine publications: #437
Clinical Medicine normalized citation impact: #345
Clinical Medicine total citations: #399
Clinical Medicine number of publications that are among the 10% most cited: #548
Clinical Medicine percentage of total publications that are among the 10% most cited: #836
Clinical Medicine international collaboration - relative to country: #672
Clinical Medicine international collaboration: #370
Clinical Medicine number of highly cited papers that are among the top 1% most cited: #417
Clinical Medicine percentage of highly cited papers that are among the top 1% most cited: #508



**International
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Electrical and Electronic Engineering # 371
Electrical and Electronic Engineering overall score: 30.9
Electrical and Electronic Engineering publications: #310
Electrical and Electronic Engineering conferences: #309
Electrical and Electronic Engineering normalized citation impact: #344
Electrical and Electronic Engineering total citations: #359
Electrical and Electronic Engineering number of publications that are among the 10% most cited: #364
Electrical and Electronic Engineering percentage of total publications that are among the 10% most cited: #344
Electrical and Electronic Engineering international collaboration - relative to country: #407
Electrical and Electronic Engineering international collaboration: #243
Electrical and Electronic Engineering number of highly cited papers that are among the top 1% most cited: #356
Electrical and Electronic Engineering percentage of highly cited papers that are among the top 1% most cited: #382

Engineering #467
Engineering overall score: 41.2
Engineering global research reputation: #384
Engineering regional research reputation: #5
Engineering publications: #429
Engineering conferences: #418
Engineering normalized citation impact: #654
Engineering total citations: #505
Engineering number of publications that are among the 10% most cited: #544
Engineering percentage of total publications that are among the 10% most cited: #656
Engineering international collaboration - relative to country: #759
Engineering international collaboration: #444
Engineering number of highly cited papers that are among the top 1% most cited: #430



**International
Ranking Office**

Pharmacology and Toxicology #152

Pharmacology and Toxicology overall score: 44.4

Pharmacology and Toxicology global research reputation: #174

Pharmacology and Toxicology regional research reputation: #2

Pharmacology and Toxicology publications: #171

Pharmacology and Toxicology normalized citation impact: #194

Pharmacology and Toxicology total citations: #183

Pharmacology and Toxicology number of publications that are among the 10% most cited: #176

Pharmacology and Toxicology percentage of total publications that are among the 10% most cited: #172

Pharmacology and Toxicology international collaboration - relative to country: #174

Pharmacology and Toxicology international collaboration: #89

Pharmacology and Toxicology number of highly cited papers that are among the top 1% most cited: #255

Pharmacology and Toxicology percentage of highly cited papers that are among the top 1% most cited: #278

Physics #449

Physics overall score: 47.7

Physics global research reputation: #455

Physics regional research reputation: #10

Physics publications: #394

Physics normalized citation impact: #433

Physics total citations: #455

Physics number of publications that are among the 10% most cited: #419

Physics percentage of total publications that are among the 10% most cited: #402

Physics international collaboration - relative to country: #486

Physics international collaboration: #460

Physics number of highly cited papers that are among the top 1% most cited: #416

Physics percentage of highly cited papers that are among the top 1% most cited: #415



**International
Ranking Office**

Chemistry # 608
Chemistry global research reputation: #585
Chemistry regional research reputation: #11
Chemistry publications: #417
Chemistry normalized citation impact: #929
Chemistry total citations: #558
Chemistry number of publications that are among the 10% most cited: #766
Chemistry percentage of total publications that are among the 10% most cited: #1039
Chemistry international collaboration - relative to country: #952
Chemistry international collaboration: #507
Chemistry number of highly cited papers that are among the top 1% most cited: #699
Chemistry percentage of highly cited papers that are among the top 1% most cited: #867
Chemistry global research reputation: #585



International
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CWTS Leiden Ranking

The CWTS Leiden Ranking 2020 offers important insights into the scientific performance of over 1000 major universities worldwide. Select your preferred indicators, generate results, and explore the performance of universities.



Compared with other university rankings, the Leiden Ranking offers more advanced bibliometric indicators. The underlying methodology is richly documented. The Leiden Ranking provides information exclusively about the research done at universities. Research is represented in publications, and carefully collected data about these publications forms the basis for the Leiden Ranking. This basis also ensures the independence of the Leiden Ranking, since there is no reliance on data submitted by the universities themselves. Finally, because universities are complex institutions that have a variety of forms, contexts and missions, their performance cannot be represented by a single number. The Leiden Ranking presents a variety of indicators for you to explore the performance of universities from different angles.

	2012	2013	2014	2015	2016	2017	2018	2019	2020
Ranking progress	-	-	711	704	586	597	587	582	576

	2019	2020
Biomedical and health science	428	425
Life and earth science	769	783
Mathematics & computer science	709	677
Physical sciences and engineering	469	470
Social sciences and Humanities	-	-

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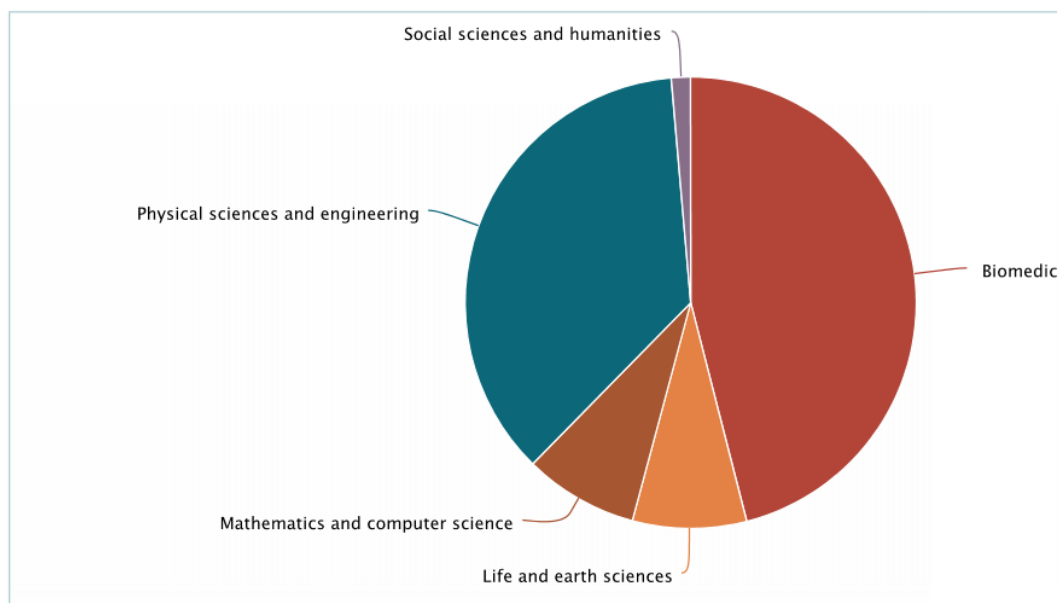
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Performance and time trend for Ain shams university

Overview (2015–2018)

All sciences ▼				
Size-dependent			Size-independent	
Publications	P	2188		
Top 1% publications	P(top 1%)	3	PP(top 1%)	0.1%
Top 5% publications	P(top 5%)	45	PP(top 5%)	2.1%
Top 10% publications	P(top 10%)	115	PP(top 10%)	5.3%
Top 50% publications	P(top 50%)	881	PP(top 50%)	40.2%
Citations	TCS	8536	MCS	3.90
Normalized citations	TNCS	1477	MNCS	0.67

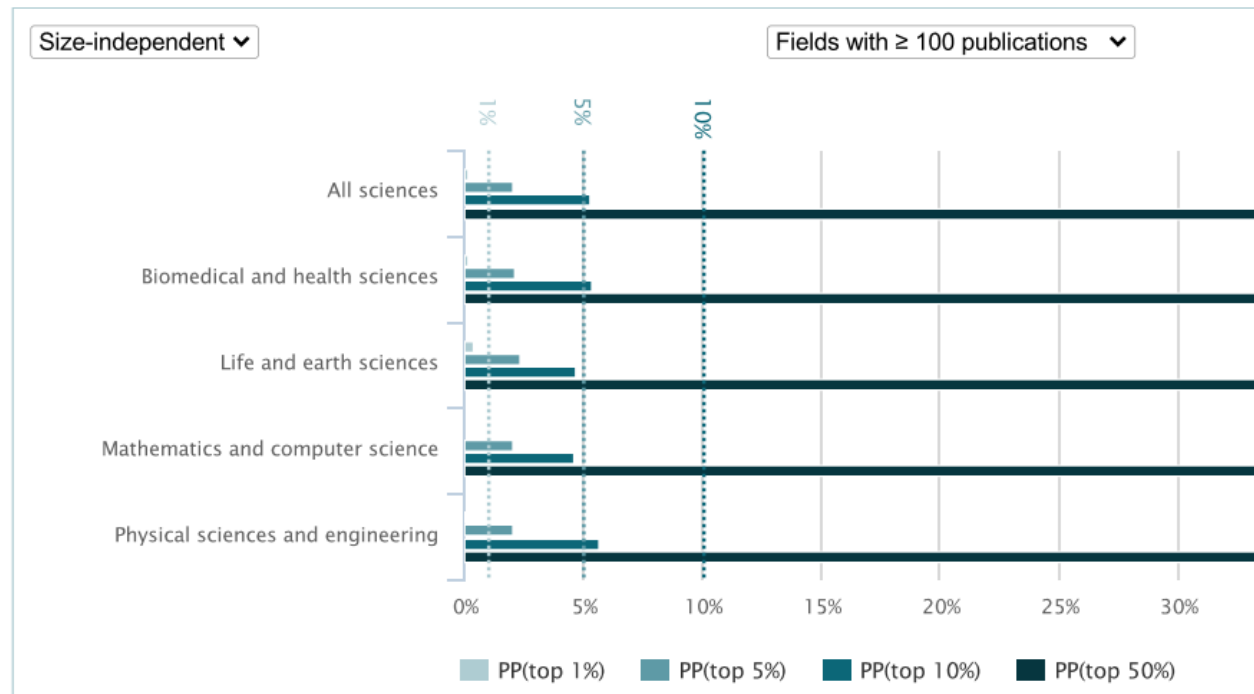
Publications per field (2015–2018)



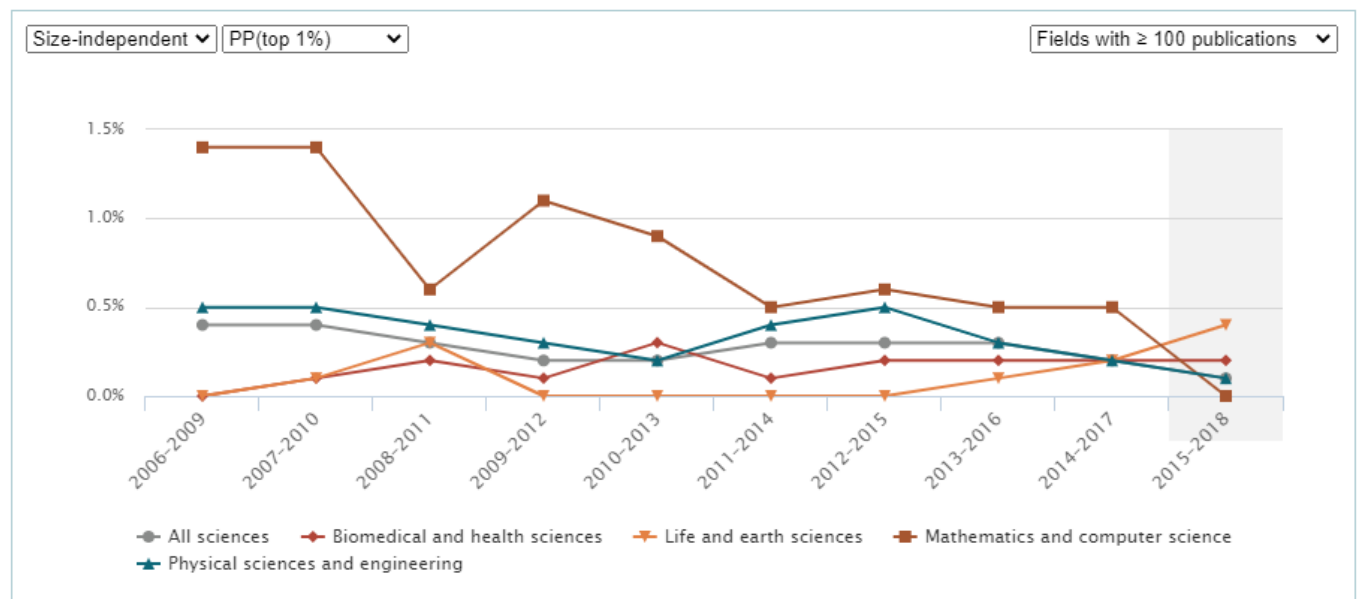


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Impact per field (2015–2018)



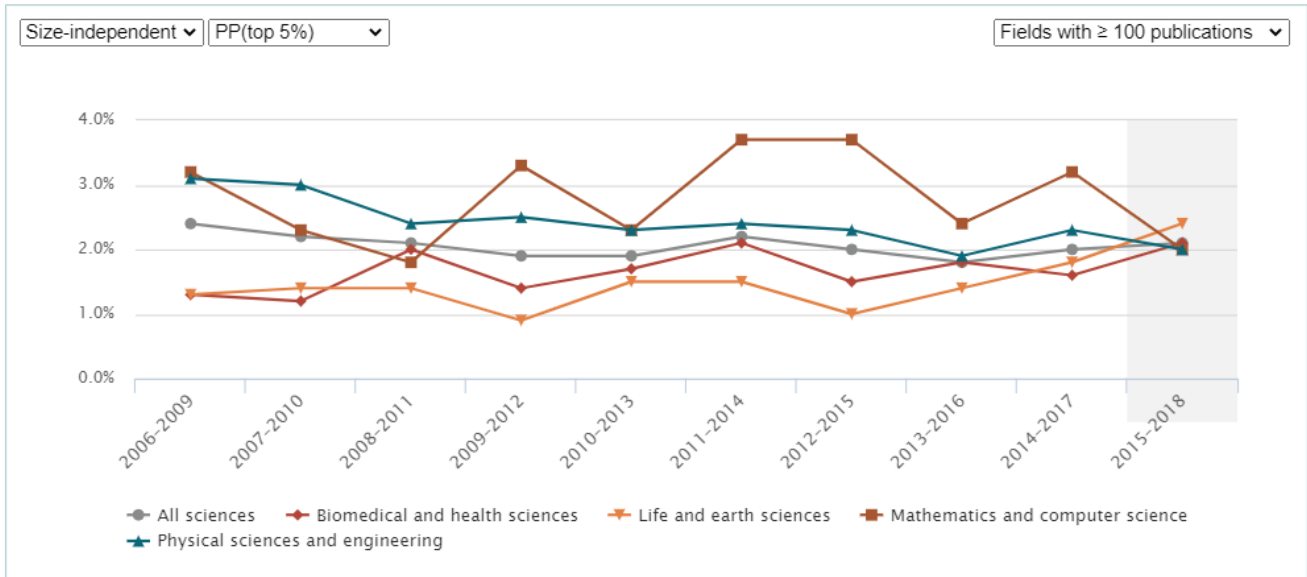
Time trend (2006–2018)



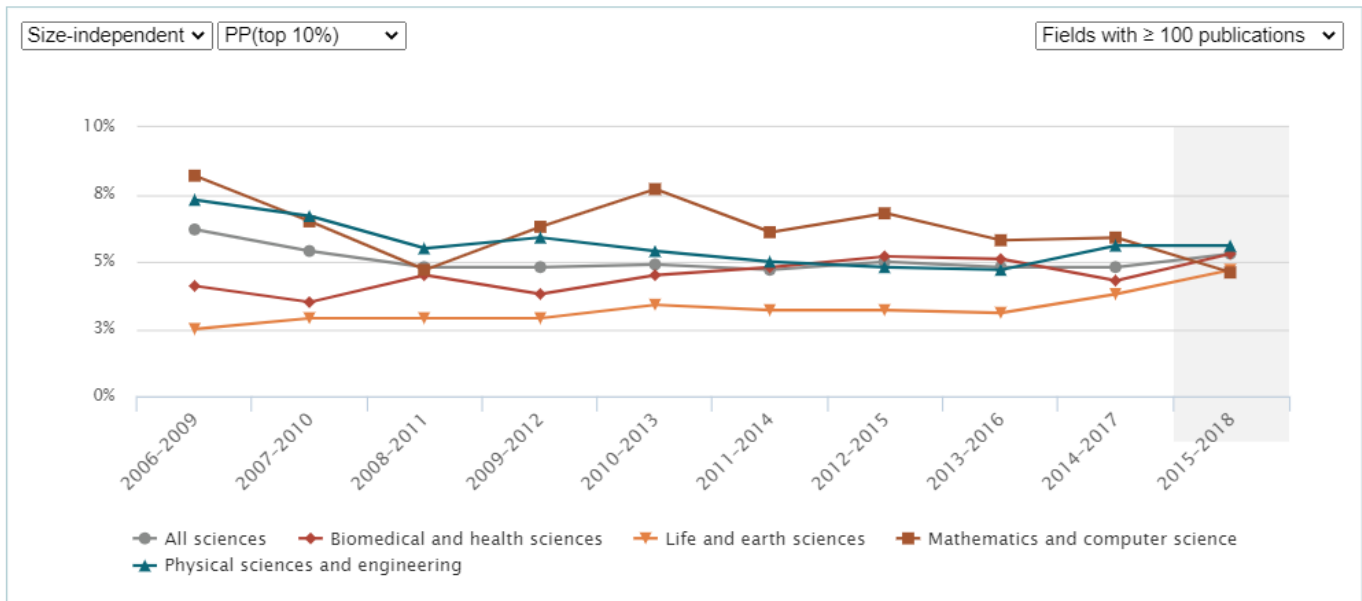


International Ranking Office

Time trend (2006–2018)



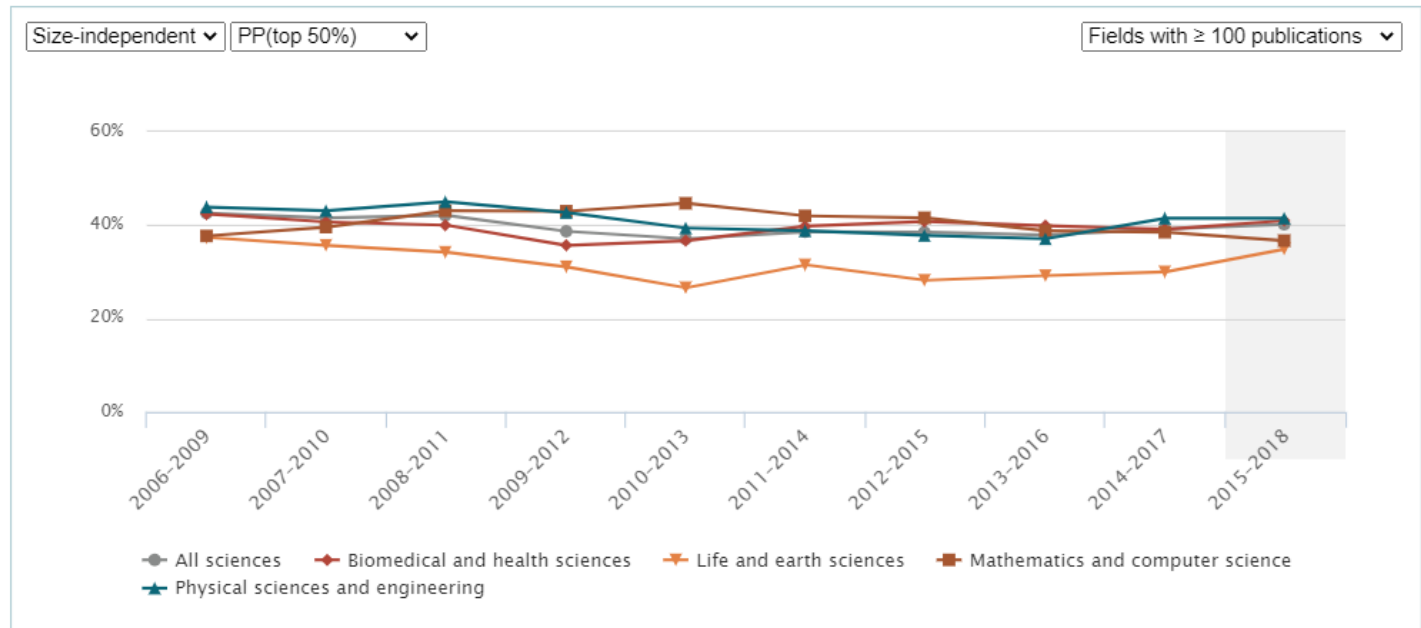
Time trend (2006–2018)



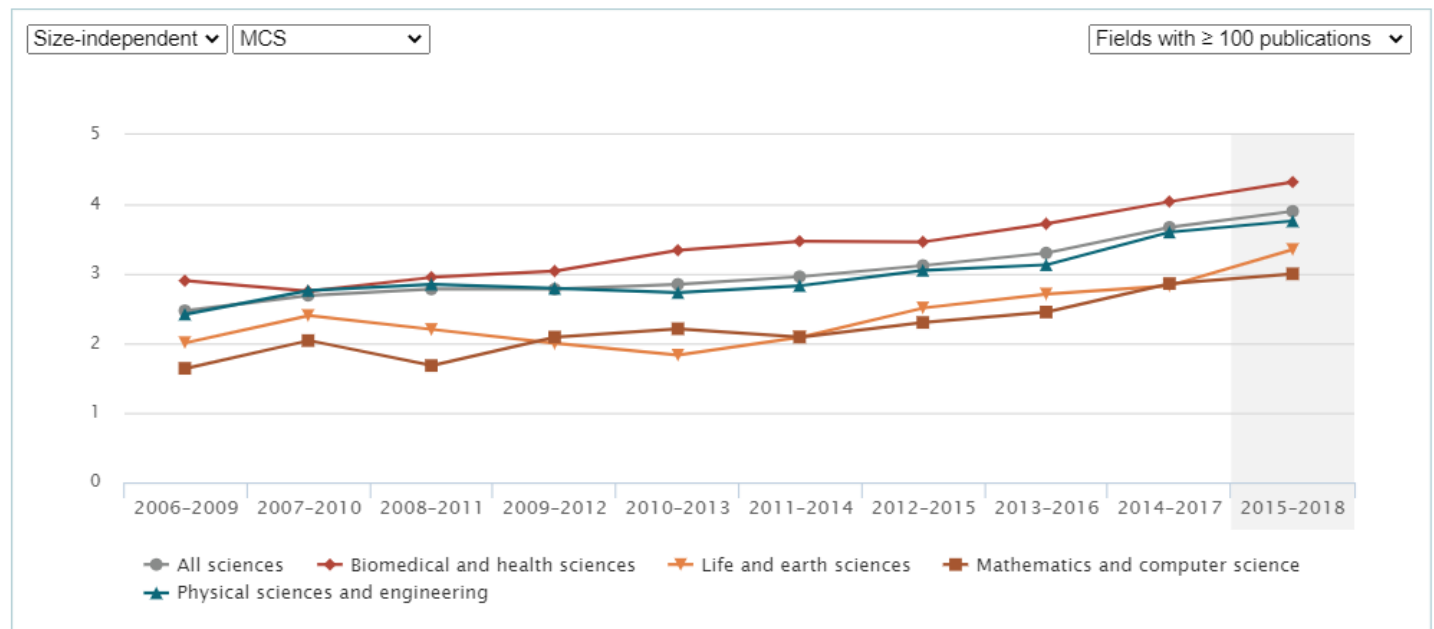


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Time trend (2006–2018)



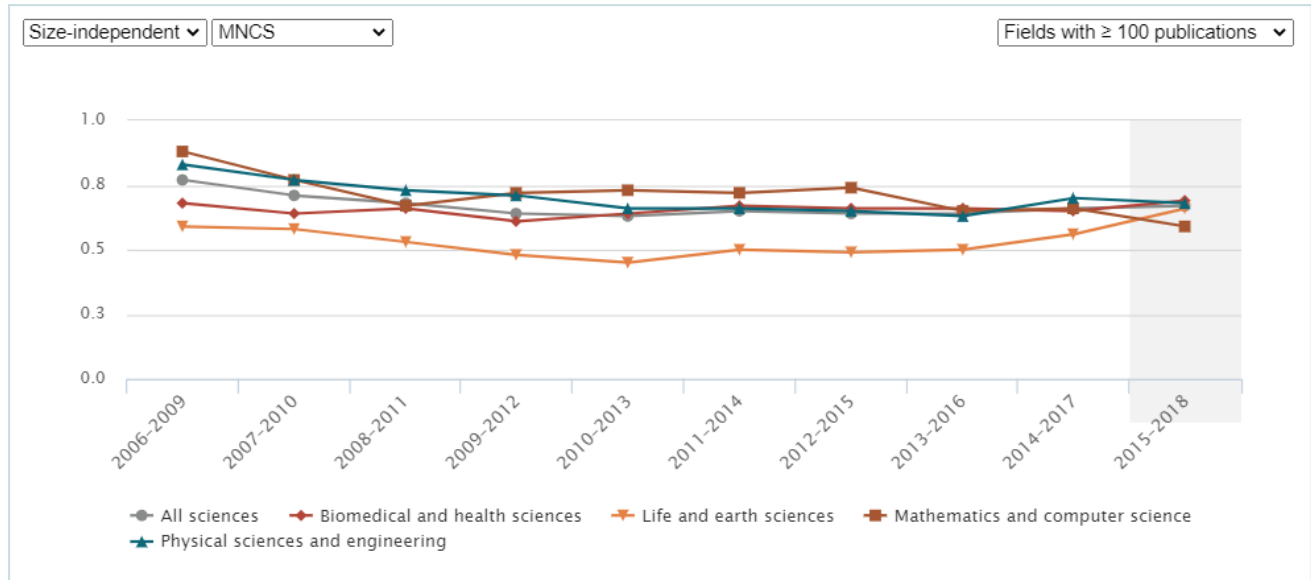
Time trend (2006–2018)





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Time trend (2006–2018)





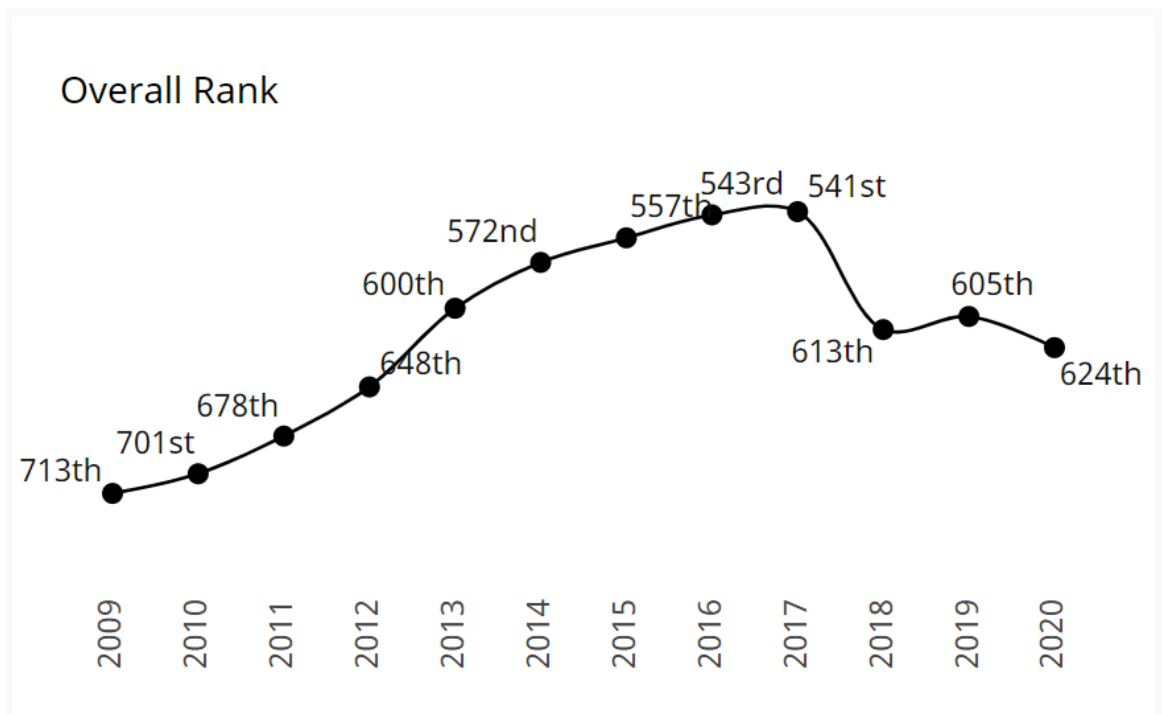
International
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Scimago institution rankings

<https://www.scimagoir.com/institution.php?idp=2281>



The SCImago Institutions Rankings (SIR) is a classification of academic and research-related institutions ranked by a composite indicator that combines three different sets of indicators based on research performance, innovation outputs and societal impact measured by their web vit in order to achieve the highest level of precision for the different indicators, an extensive manual process of disambiguation of the institution's names has been carried out. The development of an assessment tool for bibliometric analysis aimed to characterize research institutions involves an enormous data processing task related to the identification and disambiguation of institutions through the institutional affiliation of documents included in **Scopus**.





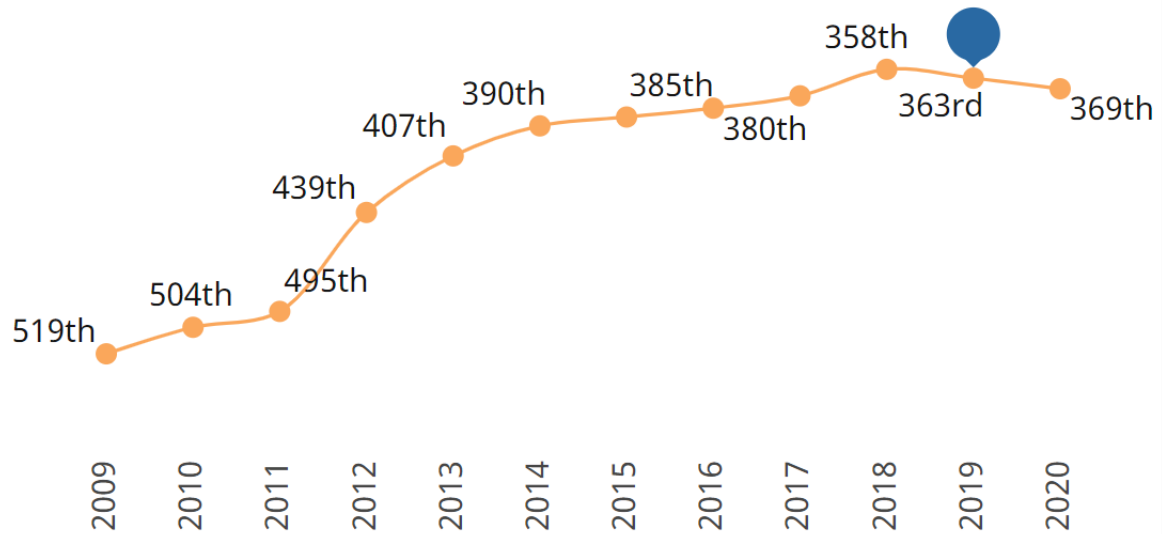
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FACTOR	INDICATOR	WEIGHT
Research (50%)	Normalized Impact (NI)	13%
	Excellence with Leadership (EwL)	8%
	Output (O)	8%
	Scientific Leadership (L)	5%
	Not Own Journals (NotOJ)	3%
	Own Journals (OJ)	3%
	Excellence (Exc)	2%
	High Quality Publications (Q1)	2%
	International Collaboration (IC)	2%
	Open Access (OA)	2%
	Scientific Talent Pool (STP)	2%
Innovation (30%)	Innovative Knowledge (IK)	10%
	Patents (PT)	10%
	Technological Impact (TI)	10%
Societal (20%)	Altmetrics (AM)	10%
	Inbound Links (BN)	5%
	Web Size (WS)	5%

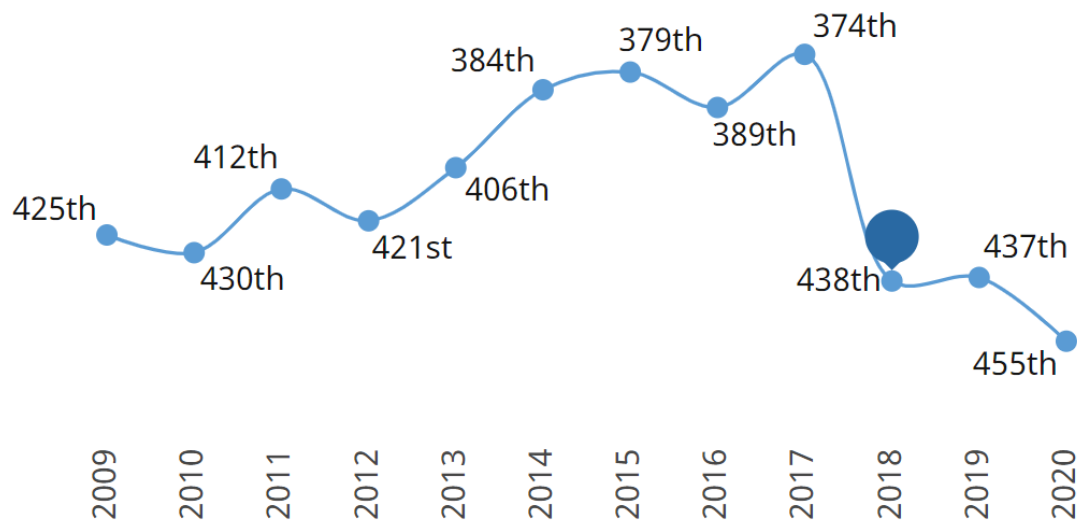


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Research Rank



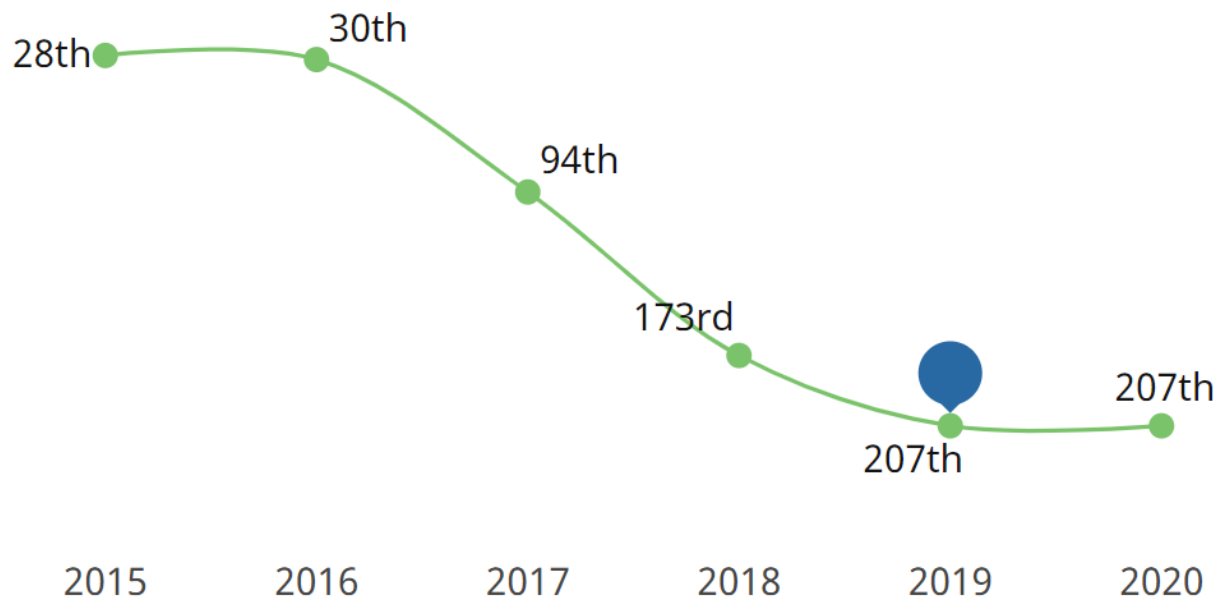
Innovation Rank





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Societal Rank



Compared to Universities sector (percentiles)

	Overall	Research	Innovation	Societal
World	22nd	23rd	30th	17th
Middle East	6th	7th	8th	5th
ARAB COUNTRIES	5th	3rd	8th	3rd
Egypt	5th	5th	11th	5th



International
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The Center for World University Rankings (CWUR)




The Center for World University Rankings (CWUR) is a leading consulting organization providing policy advice, strategic insights, and consulting services to governments and universities to improve educational and research outcomes.

Since 2012, CWUR has been publishing the only academic ranking of global universities that assesses the quality of education, alumni employment, research output, and citations without relying on surveys and university data submissions. The ranking started out as a project in Jeddah, Saudi Arabia with the aim of rating the top 100 world universities. It was quickly reported worldwide by universities and the media and many requests were received to expand it. In 2019, the ranking expanded to list the top 2000 out of twenty thousand universities worldwide, making it the largest academic ranking of global universities.

CWUR uses seven objective and robust indicators to rank the world's universities:

- 1) **Quality of Education**, measured by the number of a university's alumni who have won major academic distinctions relative to the university's size (25%)
- 2) **Alumni Employment**, measured by the number of a university's alumni who have held top executive positions at the world's largest companies relative to the university's size (25%)
- 3) **Quality of Faculty**, measured by the number of faculty members who have won major academic distinctions (10%)
- 4) **Research Performance:**
 - i) Research Output, measured by the the total number of research papers (10%)
 - ii) High-Quality Publications, measured by the number of research papers appearing in top-tier journals (10%)
 - iii) Influence, measured by the number of research papers appearing in highly-influential journals (10%)
 - iv) Citations, measured by the number of highly-cited research papers (10%)

	2012	2013	2014	2015	2016	2017	2018	2019	2020
	-	-	965	965	960	943	715	793	794



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<div> <div>CWUR</div> <div>AboutWorld University RankingsMethodologyMedia</div> </div>										
World Rank	Institution	Location	National Rank	Quality of Education	Alumni Employment	Quality of Faculty	Research Performance	Score		
558	Cairo University	Egypt	1	-	1125	-	524	73.6		
794	Ain Shams University	Egypt	2	-	-	-	752	71.6		
961	Mansoura University	Egypt	3	-	-	-	917	70.5		
972	Alexandria University	Egypt	4	404	1514	-	933	70.5		
1197	Assiut University	Egypt	5	-	1503	-	1134	69.2		
1204	Suez Canal University	Egypt	6	-	-	-	1140	69.2		
1351	Fayoum University	Egypt	7	-	-	-	1289	68.4		
1380	Zagazig University	Egypt	8	-	-	-	1314	68.3		
1397	British University in Egypt	Egypt	9	-	-	-	1326	68.2		
1496	Tanta University	Egypt	10	-	-	-	1423	67.8		
1539	Helwan University	Egypt	11	-	-	-	1464	67.6		
1575	Al-Azhar University	Egypt	12	-	1478	-	1499	67.4		
1634	Beni Suef University	Egypt	13	-	-	-	1555	67.2		
1665	Menoufia University	Egypt	14	-	-	-	1581	67.1		
1819	Minia University	Egypt	15	-	-	-	1741	66.5		
1870	Sohag University	Egypt	16	-	-	-	1793	66.3		
1899	Benha University	Egypt	17	-	-	-	1822	66.2		
1913	Cheikh Anta Diop University of Dakar	Senegal	1	-	-	-	1835	66.1		
1999	American University in Cairo	Egypt	18	-	299	-	-	65.8		



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University ranking by academic performance

World Ranking Indicators

URAP 2019-2020 World Ranking is based on 6 academic performance indicators. Since URAP is an academic performance based ranking, publications constitute the basis of the ranking methodology. Both quality and quantity of publications and international research collaboration performance are used as indicators. The indicators, the data sources, and the duration of coverage are summarized in the table below.

Indicator	Objective	Coverage	Source
Article	Current Scientific Productivity	2018	InCites
Citation	Research Impact	2014-2018	InCites
Total Document	Scientific Productivity	2014-2018	InCites
Article Impact Total	Research Quality	2014-2018	InCites
Citation Impact Total	Research Quality	2014-2018	InCites
International Collaboration	International Acceptance	2014-2018	InCites

Progress of ASU in different indicators of URAP

	World rank	Article	Citation	Total Document	AIT	CIT	Collaboration	Total
2020	637	59.68	66.25	30.77	46.72	52.33	41.42	297.17
2019	660	55.27	56.18	28.11	48.69	36.74	44.73	269.72
2018	631	66.91	64.23	31.56	56.09	45.87	47.20	311.86
2017	622	66.71	64.14	31.22	56.22	46.06	47.22	311.57