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## QS World University Rankings®:

# Welcome



Selina Griffin Rankings Manager

QS Quacquarelli Symonds

On behalf of all at QS, welcome to the 16th edition of the QS World University Rankings, marking 15 years of the world's most-consulted university rankings.

The 2020 edition sees us again publishing the top 1,000 universities in the world- the very best of the 4,700 institutions that were eligible for inclusion. As competition increases but the number of published institutions remains the same, we have seen some universities fall out of the published table; whilst obviously disappointing for those institutions, the 50 new institutions appearing this year should be rightly proud of their achievement.

The QS reputational surveys this year have again experienced a growth in response numbers. This 2020 edition now accounts for insight provided by over 94,000 academic respondents and close to 45,000 employers.

This equates to more than 1.5 million university nominations from academics, who have nominated close to 5,000 different institutions. From employers, 240,000 university nominations were submitted, with

over 4,300 individual universities receiving at least one nomination. This constitutes an increase of around 20% in the number of nominations year-on-year, as well as an increase in the number of unique institutions being nominated in each reputational survey. That these increases in engagement have occurred at a moment where increased awareness and scrutiny of data protection is occurring demonstrates the increasing importance and significance that employers and academics place on the QS surveys, and the growing global recognition of our exercise.

We strongly believe that the increasing depth and scope of this exercise offers unparalleled value to students seeking to understand how their prospective university choices are perceived by the global academic community, and by potential employers across the world.

However, we value research impact, too. The 2020 edition of the QS World University Ranking examines papers (as indexed by Elsevier's Scopus database) produced between 2013-2017, and citations

yielded from these papers over six years; 2013-2018. This represents analysis of 13.4 million papers (an increase of 3% on last year) and 74 million citations. An average institution in our ranking now produces over 5,000 papers every five years (an 8.5% increase) and receives 52,000 total citations (an increase of more than 15%).

For the 50 institutions featuring for the first time, the highest number are from Western Europe (15), with South East Asia contributing 8 of the new institutions. 82 separate locations in the world have at least one institution among the top 1,000 universities in the world. However, in these increasingly competitive times, a lower rank does not signify a weaker or decreased absolute performance.

The team and I hope you enjoy this 2020 edition of the QS World University Rankings. We have certainly enjoyed creating it for you. Whether you are a student, academic faculty, administrator, or policymaker, we hope you find it useful.

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### QS World University Rankings®:

# **Overview**



John O'leary
Editor
The Times and Sunday Times Good
University Guide.

The latest edition of the QS World University rankings shows just how competitive global higher education has become, with increases in both the number of papers produced by universities in our ranking, and the number of citations received on those papers. Furthermore, while familiar names dominate the top 10, that is by no means the case further down.

The polling and other research for the WUR again made it the biggest exercise of its kind. There were over 94,000 responses to the global survey of academics and nearly 45,000 responded to the separate survey of employers. Both were record figures.

Data from 1210 institutions in 94 countries were analysed for the ranking, which took account of almost 13.5 million research papers and 97 million citations derived from them. The 1,000 ranked institutions serve 28 million students and employ 2 million staff.

There are clear national trends, with some Asian countries – China included - continuing their rise, while perennial giants of the system like the US and UK struggle. Although the US and UK remain clearly first and second, especially near the top of the ranking, their universities' overall trajectory this year is downwards.

Although the US and UK remain clearly first and second, especially near the top of the ranking, their universities' overall trajectory this year is downwards.

Australia, however, has had an excellent year. All but one of the country's top 16 universities have gone up, the exception being the Australian National University, its top-placed institution, which ranks joint-29th.

Massachusetts Institute of
Technology (MIT) is top for the
eighth year in a row, although it
does not top any of the individual
indicators. It is, however, in the
top five in the polling of both
academics and employers, and only
two places lower for its number of
citations per faculty member.

Stanford and Harvard (in that order) are again MIT's nearest challengers, but Oxford has moved up to fourth, overtaking the California Institute of Technology and pulling clear of Cambridge, its ancient rival. In 7th, the University of Cambridge records its lowest position since QS began ranking universities in 2004. ETH Zurich, in sixth place, is again the leading university outside the English-speaking world, although even it delivers courses in English.

Overall, however, the US sees 54% of its ranked universities dropping, and has not enjoyed a higher proportion of rises than drops since 2016. Many state universities

continue to suffer the effects of budget cuts and some believe that President Trump's immigration and international policies are putting off prospective students and academics from other countries. Evidence for this is offered by the dataset for our International Student Ratio indicator, in which 126 of the US's 157 ranked universities have recorded a worse year-on-year performance.

In the UK, the trend is equally marked, with 56 of the country's 84 representatives slipping down the ranking this year. A decline in UK universities' reputation among employers is the main cause, posing the question of whether this is the first manifestation of damage from the decision to leave the European Union.

By contrast, the new ranking demonstrates the growing strength of Asian universities, although even there the picture is mixed across different countries. The trend is particularly obvious in China's case, with all but three of its top 20 universities rising this year. Tsinghua is still the only Chinese institution in the top 20, but there

are now 42 in the ranking as a whole, only 10 of them occupying lower positions than a year ago.

Hong Kong and Singapore, Asia's other two academic powerhouses, also continue to do well. The National University of Singapore and Nanyang Technological University are tied in 11th, and Singapore Management

Perhaps the most spectacular performance, however, is by Malaysia, where the top 10 universities have all gone up, some by over 40 places.

University is gradually moving up. The University of Hong Kong has held its position in the top 30, but the other six universities there have all gone up.

Perhaps the most spectacular performance, however, is by Malaysia, where the top 10 universities have all gone up, some by over 40 places. Only two of the country's 20 representatives in ranking have dropped, and seven of them are new to the exercise.

Two years ago, Malaysia had only nine universities in the QS World University Ranking and it was already the fastest-improving nation in the last edition. The government's blueprint for higher education between 2015 and 2050, MYHE4.0, aims for greater global prominence, as well as a rise in participation and improvements in research, with investment to match.

Japan remains the most striking exception in the upward march of Asian universities. It now has fewer institutions in the ranking – 40 - than China, and only nine of them have gone up since last year. Tokyo remains in the verge of the top 20, but there have been a number of big drops for other Japanese universities.

There are mixed fortunes for South Korea, where only 10 of the 30 universities listed have made progress up the ranking. It has been one of the stars of the continent in ranking terms and remains a powerful player



with five universities among the top 100. Taiwan fares just slightly better, with nine universities moving up and 10 dropping.

India's fine performance of a year ago did not last either. There are still 23 Indian universities in the ranking, but 18 occupy lower positions than last year. Still none reaches the top 150, although the Indian Institute of Technology Bombay is only two places off it.

Continental European universities have had a mixed year. Switzerland now has two universities in the top 20 and both Italian and Scandinavian

institutions have generally done well. However, there is less to celebrate in France, Germany, and the Netherlands.

The Middle East, fuelled by strong investment in countries such as Saudi Arabia, has continued to enhance its performance: it now has two top-200 universities for the first time. Latin America, too, has had another good year overall, with six universities in the top 200 and five new entrants in the ranking as a whole. Africa, however continues to be poorly represented in the ranking, with only the University of Cape Town (just) in the top 200.



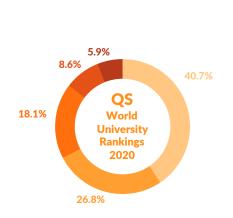
82 LOCATIONS COVERED

1,001 INSTITUTIONS PUBLISHED

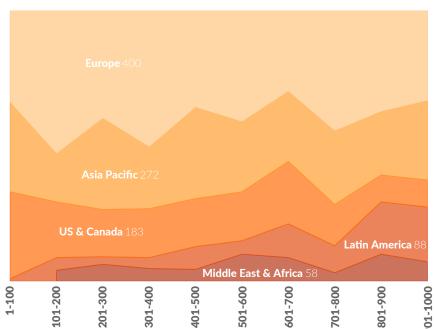
23 SPECIALISTS CONSIDERED

50 **NEW ENTRANTS** 

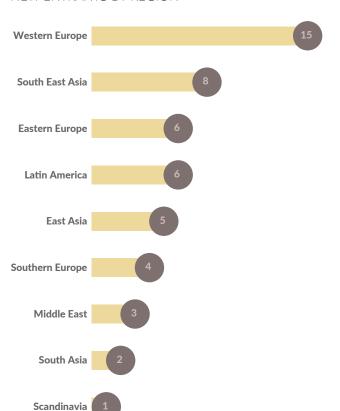
#### DISTRIBUTION OF INSTITUTIONS BY REGION



#### PROPORTION OF INSTITUTIONS BY REGION BY RANGE



#### NEW ENTRANTS BY REGION



Europe is the region with the largest number of institutions featuring in the 2020 QS World University Rankings (400), representing 40.7% of all the institutions considered. Asia-Pacific follows with 272 (26.8%) and US & Canada with 183 (18.1%).

In the 2020 edition, a total of 50 institutions made their first appearance in the rankings. Western Europe provided the largest numbers with 15 new entrants.



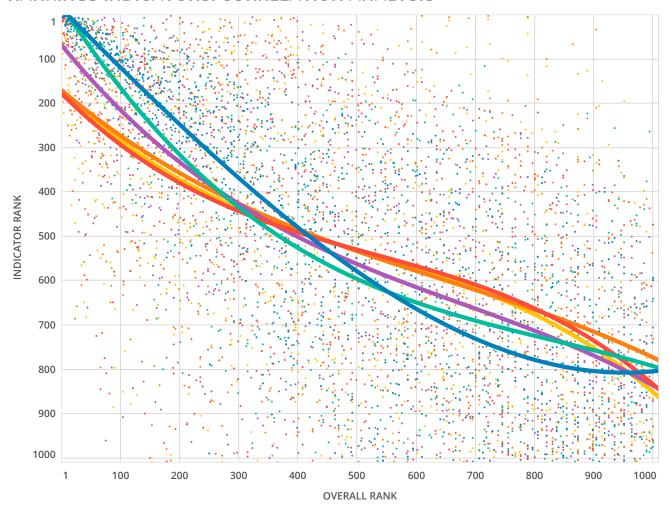
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#### **RANKINGS INDICATORS: CORRELATION ANALYSIS**



#### Correlation Coefficients

Academic Reputation	0.81
Employer Reputation	0.67
Faculty Student	0.51
Citations per Faculty	0.64
International Faculty	0.54
International Student	0.55

The chart above presents the correlation between each indicator and the overall results.

Academic and Employer Reputation are key indexes for the top 200 institutions overall. The internationalization metrics and the student-to-faculty ratio have an increased relevance for those institutions placed in the 500-800 performance bracket.



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\*Number of ranking places and proportion of growth 2016–2019 period





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QS World University Rankings 2019 114th

Anniversary of Korea University's foundation 1,039

Number of international partner universities

1,779

Number of students who enrelled in internal Summer Campus

### QS World University Rankings®:

# **Global trends**



Martin Ince writer & journalist in higher education & science

If you start at the top, the QS World University Rankings for 2020 may appear reassuringly stable. There is just one new entry in the top 20, the Ecole Polytechnique Fédérale de Lausanne in Switzerland, up four places to 18th, and one departure, the University of Michigan, down just one place to 21st. But this impression of tranquillity is belied by the trends visible just below the uppermost echelons.

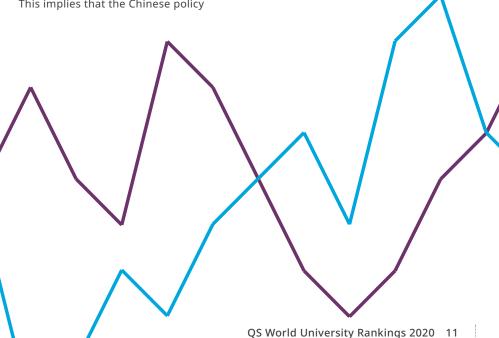
Of all the changes one might look for in a global university ranking, none is more salient than the much-discussed rise of China.

The Chinese government has set ambitious targets for the nation to become the world's leading producer of new knowledge. This ranking suggests that its strategy is proving successful.

Of the seven mainland Chinese universities in this year's top 200, six are better-placed than in last year's edition. One, Zhejiang, is up by 14 places. The only institution to not have improved, Shanghai Jiao Tong, is down by just one place. More importantly, four of the seven have risen in our citations indicator, a prime measure of research influence, with Peking University up by 24 places on this criterion. Six of the seven are also ahead in our global academic survey, suggesting that they are gaining in respect as generators of research. By contrast, they are all lower than in 2019 in our employer survey. This implies that the Chinese policy

The Chinese government has set ambitious targets for the nation to become the world's leading producer of new knowledge. This ranking suggests that its strategy is proving successful.

of stressing research rather than teaching as a priority for universities is in danger of unbalancing Chinese university policy.



Another Chinese concern that has unfolded in recent months is the fear that Hong Kong universities will lose their world standing as they become more subject to direction from Beijing. If this is a risk, it is not yet a significant one. The University of Hong Kong, the leading institution in the Special Admintrative Region, is still 25th in the world, and the other six ranked Hong Kong universities are all rising.

The story of Asia's other billionperson power, India, is less favourable. Despite the benefits of English as its official national language, its top entrant, the Indian Institute of Technology (Bombay), ranks 152nd globally, behind seven Chinese universities. Its top general university, Delhi, is in 474th place. While some Indian institutions are respected for their research, they bring in few international students, and their massive class sizes fatally undermine performance in our measure of faculty/student ratio. This picture is consistent through time and few Indian institutions have moved significantly in this year's Ranking.

#### Australian dispersal?

These rankings offer numerous possible directions for anyone wanting to study abroad. But a striking number of those directions still end up in Australia, the world's biggest importer of students relative to its size. Prime Minister Scott Morrison is trying to use Australian success in this area to drive the nation's population policy, encouraging more international students to study outside big destinations. Australia's top-100 universities are all in Sydney, Melbourne and Brisbane plus one each in Perth and the capital Canberra, home to the Australian National University. Therefore, he has work to do if he wants students to look towards other destinations. The second 100 contains institutions in Tasmania. rural Queensland and other comparatively far-flung centres.

For now, all we can say usefully is that the UK still has five top-20 world universities, starting with Oxford at number 4, and that its total of 18 top-100 universities is second only to the US

However, 2020 is a good year for Australian universities in this Ranking. It has 18 top-300 institutions here, 14 of which are ahead of last year's position.

But any uncertainty over Australia's future in global higher education is trivial compared the position of the UK, whose planned March 29 2019 date for departure from

the EU came and went with the UK still a member. Brexit poses questions to all aspects of academic endeavour, including student fees and numbers as well as research collaboration. For now, all we can say usefully is that the UK still has five top-20 world universities, starting with Oxford at number 4, and that its total of 18 top-100 universities is second only to the US. If its attraction to globally-mobile students dwindles in future years, the cause may be a general feeling that foreigners are unwelcome in the UK, not the fine detail of funding and visa requirements.

The ranking is perhaps the world's best-informed examination of overall university performance. The surveys that account for half of each university's possible score use responses from 94,000 academics and 44,000 employers, while the publications data we use covers 97 million citations. derived from 14 million research papers. This has yielded statistically valid data on all of the top 1000 universities in this Ranking.

This listing is a competitive one and we have 45 newcomers this year, eight of them from the UK. Others hail from Colombia to Italy, via Japan and India, and it is a pleasure to welcome them to this ranking.

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**THE university impact** 

rankings 2019

**Stars Employability** Teaching Inclusiveness **Facilities Social Responsibility** 

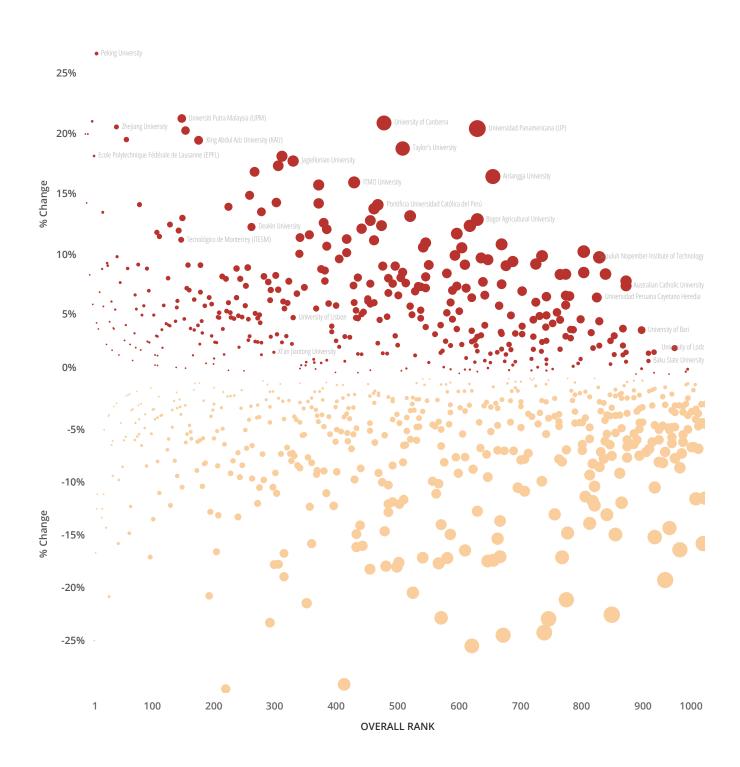
**Global TVET Model University by** ASIC, UK

	2020 Rank	2019 Rank	Institution	Location	Size	Focus	Res.	Age	Status	Academic reputation	Employer reputation	Faculty student	Citations per faculty	International faculty	International students	Overall
↔	1	1	Massachusetts Institute of Technology (MIT)	United States	M	СО	VH	5	В	100	100	100	99.8	100	94.1	100
$\leftrightarrow$	2	2	Stanford University	United States	L	FC	VH	5	В	100	100	100	98.6	99.8	67.7	98.4
$\leftrightarrow$	3	3	Harvard University	United States	L	FC	VH	5	В	100	100	98.7	99.6	86.3	62.2	97.4
Λ	4	5	University of Oxford	United Kingdom	L	FC	VH	5	Α	100	100	100	84.7	99.7	98.5	97.2
Ψ.	5	4	California Institute of Technology (Caltech)	United States	S	CO	VH	5	В	97.8	81.2	100	100	99.4	87.3	96.9
<b>^</b>	6	7	ETH Zurich (Swiss Federal Institute of Technology)	Switzerland	L	CO	VH	5	Α	98.4	96.7	85	98.4	100	98	95.9
<b>4</b>	7	6	University of Cambridge	United Kingdom	L	FC	VH	5	Α	100	100	100	74.2	100	97.6	95
<b>1</b>	8	10	UCL (University College London)	United Kingdom	XL	FC	VH	5	Α .	99.3	98.7	98.1	76.7	99.1	100	94.8
Λ Λ	9	8	Imperial College London	United Kingdom	L	FC	VH	5	A	98.6	99.9	99.8	72.1	100	100	94.1
<b>↑</b>	10 11=	9 12	University of Chicago	United States	L	FC FC	VH	5 3	B A	99.5 92.1	93.7 93.8	96.5	78.5 88.8	70.2 100	81 74.2	92 91.8
<b>'</b>	11=	11	Nanyang Technological University (NTU)  National University of Singapore (NUS)	Singapore Singapore	XL	FC	VH	5	A	99.8	99.2	93.9 88.3	75.7	100	76.4	91.8
··	13	13	Princeton University	United States	M	CO	VH	5	В	99.8	99.2	70.7	100	64.9	67.6	90.9
$\leftrightarrow$	14	14	Cornell University	United States	L	FC	VH	5	В	98.7	90.4	65.7	95.1	93.8	72.3	89.3
ተ	15	19	University of Pennsylvania	United States	L	FC	VH	5	В	95.8	93.7	100	67.6	84	63.6	88.9
<b>1</b>	16	17	Tsinghua University	China	XL	FC	VH	5	A	97.4	99.1	92.4	80.4	68	30.1	88.6
₩	17	15	Yale University	United States	L	FC	VH	5	В	99.9	99.9	100	53.5	78.1	57.4	87.7
₩	18=	16	Columbia University	United States	L	FC	VH	5	В	99.7	97.6	100	53	40.1	96.9	87.4
Λ.	18=	22	Ecole Polytechnique Fédérale de Lausanne (EPFL)	Switzerland	M	FO	VH	5	Α	75.6	77.6	96.6	98.9	100	100	87.4
₩	20	18	University of Edinburgh	United Kingdom	XL	FC	VH	5	Α	97.5	93.7	85.6	53	98	98.6	86.2
₩	21	20	University of Michigan	United States	XL	FC	VH	5	Α	98.9	94.4	91	61.6	79.7	44.1	86
<b>1</b>	22=	30	Peking University	China	XL	FC	VH	5	Α	99.1	99.6	72.3	73	70.7	36.9	84.3
<b>1</b>	22=	23	The University of Tokyo	Japan	L	FC	VH	5	Α	100	99.1	93.3	67.9	11.1	26.2	84.3
Ψ.	24	21	Johns Hopkins University	United States	L	FC	VH	5	В	88.3	52.6	100	77.6	68.8	81.5	83.9
<b>1</b>	25=	26	Duke University	United States	L	FC	VH	5	В	89	84.2	99.4	80.3	12.4	59.3	83.8
<b>↔</b>	25=	25	University of Hong Kong (HKU)	Hong Kong	L	FC	VH	5	A	97.3	82.6	87.2	44.5	100	99.1	83.8
<b>↓</b>	27 28	29	The University of Manchester	United Kingdom	XL	FC FC	VH	5 5	A	94.9	97.7 99.9	74.1	51.5 97.7	92.6 92.4	98.6	82.7 82.6
Ψ.	29=	27 24	University of California, Berkeley (UCB)  Australian National University (ANU)	United States Australia	XL	FC	VH	5 Δ	A	96.9	81.3	30.9 37.5	87.7	100	39.7 99.8	82.1
<b>V</b>	29=	28	University of Toronto	Canada	XL	FC	VH	5	Α	98.9	96.3	71.5	43.9	97.7	93	82.1
<b>Λ</b>	31	34	Northwestern University	United States	L	FC	VH	5	В	85.9	80.2	100	62.8	76.1	49	81.5
<b>1</b>	32	37	The Hong Kong University of Science and Technology (HKUST)	Hong Kong	М	СО	VH	3	Α	85	71.3	59.5	89.5	100	87.5	80.6
₩	33=	31	King's College London (KCL)	United Kingdom	L	FC	VH	5	Α	88.5	80.4	82.3	52	98.5	99.8	80.5
<b>1</b>	33=	35	Kyoto University	Japan	L	FC	VH	5	Α	98.7	92.5	96.3	53.2	15.4	17.5	80.5
Ψ.	35=	33	McGill University	Canada	L	FC	VH	5	Α	92.2	93.8	63.3	58.4	93.7	96.2	80.4
Ψ.	35=	32	University of California, Los Angeles (UCLA)	United States	XL	FC	VH	5	Α .	100	99.7	40.6	88.3	50.4	38.2	80.4
Ψ •	37	36	Seoul National University (SNU)	South Korea	L	FC	VH	4	A	96.9	91.1	88	61.6	19.2	11.9	79.6
个	38	39	The University of Melbourne	Australia	XL	FC	VH	5	A	99.2	98.1	24.1	75	97.6	100	79.5
<b>小</b>	39 40	43 44	New York University (NYU) Fudan University	United States China	XL XL	FC FC	VH	5 5	B A	95.9 83.4	95.6 93.8	97.6 86.5	24 57.8	33.5 92.7	93.4 42.9	78.8 78.6
Ψ.	41	40	KAIST - Korea Advanced Institute of Science and Technology	South Korea	M	CO	VH	3	A	85	74.5	73.9	98.1	25.8	10.1	77.9
$\leftrightarrow$	42	42	The University of Sydney	Australia	XL	FC	VH	5	Α	97.5	96.4	23.6	70.9	100	100	77.8
Λ.	43	45	The University of New South Wales (UNSW)	Australia	XL	FC	VH	4	Α	91.2	95.7	19.8	84.5	100	98.5	77.1
Ψ	44	38	London School of Economics and Political Science (LSE)	United Kingdom	М	SP	VH	5	Α	78.9	99.7	34.8	91.1	100	100	77
Ψ.	45	41	University of California, San Diego (UCSD)	United States	XL	FC	VH	4	Α	92.2	51.8	60.3	78.4	60.8	70.3	76.6
<b>1</b>	46	49	The Chinese University of Hong Kong (CUHK)	Hong Kong	L	FC	VH	4	Α	87.9	61.5	67.7	56.2	100	91.7	75.9
<b>1</b>	47	48	The University of Queensland (UQ)	Australia	XL	FC	VH	5	Α	88.5	82.2	27.7	81.8	100	99.5	75.7
Ψ	48	46	Carnegie Mellon University	United States	L	FC	VH	5	В	75.2	77.5	43.5	94.3	83.6	99.9	74.8
<b>Λ</b>	49	51	University of Bristol	United Kingdom	L	FC	VH	5	Α	76.6	84.2	72.8	61.8	89.4	75.6	74.5
$\Lambda$	50	52	Delft University of Technology	Netherlands	L	CO	VH	5	Α	71.2	88.2	46.4	90	99.3	87.8	74.2

#### **OVERALL RANK: YEAR ON YEAR CHANGE**

The plot offers an analysis of the year on year swing for the top 1000 universities. The size of each bubble represents the rank movement while its position depicts the proportional change.

As expected, those institutions in the upper section of the table tend to present a more stable performance, with smaller year on year swings. Reflecting the expansion and coverage of the rankings, the movements are larger in the lower echelons of the ranking. This is testament to an increasingly competitive global higher education environment.







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Improve performance

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Improve
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& recruitment efforts



	2020 Rank	2019 Rank	Institution	Location	Size	Focus	Res.	Age	Status	Academic reputation	Employer reputation	Faculty student	Citations per faculty	International faculty	International students
1	51	47	University of British Columbia	Canada	XL	FC	VH	5	Α	97	89	46	42.2	90.8	79.3
	52	55	City University of Hong Kong	Hong Kong	М	СО	VH	3	Α	59	41.3	89.7	89.4	100	95.3
	53	50	Université PSL (Paris Sciences & Lettres)	France	L			1		77.7	98.6	100	26.2	67.1	72.1
	54	68	Zhejiang University	China	XL	FC	VH	5	Α	67.7	86.5	78.6	63.9	95.4	62.9
	55	61	Technische Universität München	Germany	XL	СО	VH	5	Α	80.2	99	89.1	26.9	60.6	76.8
	56	53	University of Wisconsin-Madison	United States	XL	FC	VH	5	Α	87.8	49.7	85.5	50	57.2	30.9
	57	56	Brown University	United States	М	FC	VH	5	В	61.9	58.2	81.1	86.6	86	56
	58=	59=	Monash University	Australia	XL	FC	VH	4	Α	88	91.9	17.1	64.2	100	99.9
	58=	58	Tokyo Institute of Technology	Japan	М	CO	VH	5	Α	74.5	82.7	86.2	61.3	30.7	31.3
	60=	65	Ecole Polytechnique	France	S	CO	VH	5	Α	43.8	99.3	99.6	66.3	95.2	97.9
	60=	59=	Shanghai Jiao Tong University	China	XL	FC	VH	5	Α	79.6	93.6	53.7	65.5	84.1	20.1
	62	54	The University of Warwick	United Kingdom	L	FC	VH	4	Α	74.4	94.1	55.3	50.3	97.8	99.1
	63	62	Ludwig-Maximilians-Universität München	Germany	XL	FC	VH	5	Α	91.1	83.2	52.6	45.7	61.5	37.7
	64	57	University of Amsterdam	Netherlands	L	FC	VH	5	Α	81.1	56	44.8	75.9	79.5	52.5
	65	63	University of Texas at Austin	United States	XL	FC	VH	5	Α	94.2	83.3	12.1	93.4	6.9	18.6
	66	64	Ruprecht-Karls-Universität Heidelberg	Germany	L	FC	VH	5	Α	80	50.6	96.7	34.8	52.8	44.2
	67	69=	University of Glasgow	United Kingdom	L	FC	VH	5	Α	72.2	58.9	63.7	55	93.7	96.5
	68	66	University of Washington	United States	XL	FC	VH	5	Α	86.1	51.4	17.4	99.2	55.8	40.5
	69	72	National Taiwan University (NTU)	Taiwan	XL	FC	VH	4	Α	89.8	82.4	41.9	59.7	20.8	30.4
	70	87=	Universiti Malaya (UM)	Malaysia	L	FC	VH	5	Α	68.2	72	90.7	41.5	62.8	57.2
	71	67	Osaka University	Japan	L	FC	VH	4	Α	80.8	67.5	80.3	46.2	23.1	14.3
	72=	69=	Georgia Institute of Technology (Georgia Tech)	United States	L	CO	VH	5	Α	71.1	81.7	15.1	100	60.4	65.8
	72=	79=	University of Copenhagen	Denmark	XL	FC	VH	5	Α	70.1	43.9	100	37.2	92.6	29.4
	74	73	Universidad de Buenos Aires	Argentina	XL	FC	VH	5	Α	87.2	91.3	77.4	2.4	50.7	64.7
	75	71	University of Illinois at Urbana-Champaign	United States	XL	FC	VH	5	Α	89	58.1	13.5	86.3	19.3	67.2
	76	78	University of Zurich	Switzerland	L	FC	VH	5	Α	58.6	64.5	99.7	38.7	100	59.4
	77	75=	Sorbonne University	France	XL	FC	VH		Α	89.2	45.9	59.7	36.2	47.8	56.5
	78=	74	Durham University	United Kingdom	L	FC	VH	5	Α	57.3	91.2	35.9	77.9	97.2	87.2
	78=	75=	The University of Sheffield	United Kingdom	L	FC	VH	5	Α	61.3	58.7	61	61.4	87.9	94.1
	80	81	Katholieke Universiteit Leuven	Belgium	XL	FC	VH	5	Α	79.1	64.3	11.8	85.3	90	37.5
	81	79=	University of Birmingham	United Kingdom	L	FC	VH	5	Α	65.6	78.8	54.8	49.3	91.8	85.7
	82	77	Tohoku University	Japan	L	FC	VH	5	Α	69.5	59.1	98.2	43.1	12.7	17.6
	83	86	Korea University	South Korea	L	FC	VH	5	В	70	85	83.1	35.4	15.2	44.7
	84	90	Lomonosov Moscow State University	Russia	XL	FC	VH	5	Α	73.6	84.9	99.7	7.2	18	56.1
	85	87=	Rice University	United States	М	FC	VH	5	В	40.1	22.7	84	93.6	89.8	90.6
	86	91	The University of Western Australia (UWA)	Australia	L	FC	VH	5	Α	62.4	59.8	20.8	88.3	100	98.7
	87	83=	Pohang University of Science and Technology (POSTECH)	South Korea	S	FO	VH	3	В	41.3	40.8	99.9	99.3	35.3	3.6
	88	85	The University of Auckland	New Zealand	L	FC	VH	5	Α	84.2	62.8	25	39.6	94.4	91.8
	89	98	University of Science and Technology of China	China	L	СО	VH	4	Α	56.2	26.1	81.1	98.5	16.9	5.7
	90	83=	University of North Carolina, Chapel Hill	United States	XL	FC	VH	5	Α	68.7	53.3	88.3	46	35.6	11.3
	91	106	The Hong Kong Polytechnic University	Hong Kong	L	СО	VH	3	Α	61.3	43.7	74.1	46.3	100	74.8
	92	92	Lund University	Sweden	L	FC	VH	5	Α	69.6	54.3	50.1	51.9	89.3	70.1
	93=	95	Pennsylvania State University	United States	XL	FC	VH	5	Α	76.5	80.4	31.6	67.8	21.4	38.6
	93=	93=	University of Leeds	United Kingdom	XL	FC	VH	5	Α	69.2	81.2	45.5	41.6	84.1	81.8
	95	100=	Sungkyunkwan University	South Korea	L	FC	VH	5	В	58.4	74.6	85.7	49.3	21.3	38.1
	96	82	The University of Nottingham	United Kingdom	XL	FC	VH	5	A	60.3	73.2	52.4	49.7	92.1	82.1
	97	96	University of Southampton	United Kingdom	L	FC	VH	5	Α	50.8	52.5	59	68.1	96.1	92.8
	98=	93=	Boston University	United States	L	FC	VH	5	В	63.1	57.5	53.8	62.1	33.8	88.6
	98=	104=	KTH, Royal Institute of Technology	Sweden	L	СО	VH	5	A	47.5	68.4	63	72.8	96.9	48.7
	100	97	University of St Andrews	United Kingdom	М	FC	VH	5	Α	45.2	51.6	65.3	67.4	98.7	99.8





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89 99 113 100= 107 114 110 104= 100= 112 109 120 111 118 117 122= 135 121 122= 124	Ohio State University  Eindhoven University of Technology  Universidad Nacional Autónoma de México (UNAM)  University of California, Davis (UCD)  Yonsei University  The University of Adelaide  University of Helsinki  Trinity College Dublin (TCD)  Washington University in St. Louis  University of Geneva  Purdue University  Technical University of Denmark  University of Alberta  University of Groningen  Nagoya University  University University  Universidade de São Paulo (USP)  Uppsala University  Leiden University  University of Oslo	Location United States Netherlands Mexico United States South Korea Australia Finland Ireland United States Switzerland United States Denmark Canada Netherlands Japan Brazil Sweden Netherlands Norway Germany China	2 Z Z S X L M X L L L L L L L L L L L L L L L L	FC F	HVH VH	eby 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Y A A A A A A A A A A A A A A A A A A A	63.8 30.9 90.9 70.3 62.9 59.3 64.5 62 43.8 51.1 63.8 30.5 58 50.6 60.5	67.3 65.9 91 33.9 78.3 43.7 54.8 51.2 18.8 23.7 68.9 27.1 41.4 24.5	66.7 62.5 57.6 23.3 85 28.5 66.8 35.8 99.8 52.6 30.9 99.9 57 67.9	41.3 97.1 3.8 80.4 30.6 73.7 51.5 56.8 59.2 73.6 65.9 48.8	81.1 98.3 13.8 65.3 15.4 99 58.1 99.5 78.9 100 97.1 99.5	27.6 57.5 4.3 60.6 33.1 99.1 6.8 93.5 59.3 97.8 61.1
89 99 113 100= 107 114 110 104= 100= 108 100= 112 109 120 111 118 117 122= 135 121 122=	Ohio State University  Eindhoven University of Technology  Universidad Nacional Autónoma de México (UNAM)  University of California, Davis (UCD)  Yonsei University  The University of Adelaide  University of Helsinki  Trinity College Dublin (TCD)  Washington University in St. Louis  University of Geneva  Purdue University  Technical University of Denmark  University of Alberta  University of Groningen  Nagoya University  University University  Universidade de São Paulo (USP)  Uppsala University  Leiden University  University of Oslo	United States Netherlands Mexico United States South Korea Australia Finland Ireland United States Switzerland United States Denmark Canada Netherlands Japan Brazil Sweden Netherlands Norway Germany	XL M XL L L L L XL M XL	FC F	VH V	5 4 5 5 5 5 5 5 5 5 5 5 5 5 5	A A A B A A A A A A A A	63.8 30.9 90.9 70.3 62.9 59.3 64.5 62 43.8 51.1 63.8 30.5 58 50.6 60.5	67.3 65.9 91 33.9 78.3 43.7 54.8 51.2 18.8 23.7 68.9 27.1 41.4 24.5	66.7 62.5 57.6 23.3 85 28.5 66.8 35.8 99.8 52.6 30.9 99.9 57	41.3 97.1 3.8 80.4 30.6 73.7 51.5 56.8 59.2 73.6 65.9 48.8	81.1 98.3 13.8 65.3 15.4 99 58.1 99.5 78.9 100 97.1	27.6 57.5 4.3 60.6 33.1 99.1 6.8 93.5 59.3 97.8 61.1
99 113 100= 107 114 110 104= 100= 108 100= 112 109 120 111 118 117 122= 135 121 122=	99 Eindhoven University of Technology Universidad Nacional Autónoma de México (UNAM) 100= University of California, Davis (UCD) 107 Yonsei University 114 The University of Adelaide 110 University of Helsinki 104= Trinity College Dublin (TCD) 100= Washington University in St. Louis 108 University of Geneva 100= Purdue University 112 Technical University of Denmark 109 University of Alberta 120 University of Groningen 111 Nagoya University 118 Universidade de São Paulo (USP) 117 Uppsala University 122= Leiden University 135 University of Oslo	Netherlands Mexico United States South Korea Australia Finland Ireland United States Switzerland United States Denmark Canada Netherlands Japan Brazil Sweden Netherlands Norway Germany	M XL L L L L L L L L XL M XL L L L XL L XL XL XL	FO FC	VH V	4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	A A B A A A A A A A A A A A A A A A A A	30.9 90.9 70.3 62.9 59.3 64.5 62 43.8 51.1 63.8 30.5 58 50.6	65.9 91 33.9 78.3 43.7 54.8 51.2 18.8 23.7 68.9 27.1 41.4 24.5	62.5 57.6 23.3 85 28.5 66.8 35.8 99.8 52.6 30.9 99.9 57	97.1 3.8 80.4 30.6 73.7 51.5 56.8 59.2 73.6 55.6 65.9 48.8	98.3 13.8 65.3 15.4 99 58.1 99.5 78.9 100 97.1	57.5 4.3 60.6 33.1 99.1 6.8 93.5 59.3 97.8 61.1
113 100= 107 114 110 104= 100= 108 100= 112 109 120 111 118 117 122= 135 121 122=	Universidad Nacional Autónoma de México (UNAM)  University of California, Davis (UCD)  Yonsei University  The University of Adelaide  University of Helsinki  Trinity College Dublin (TCD)  Washington University in St. Louis  University of Geneva  Purdue University  Technical University of Denmark  University of Alberta  University of Groningen  Nagoya University  University  University of Washington University  Leiden University  University  University of Soo Paulo (USP)  Uppsala University  Leiden University  University of Oslo	Mexico United States South Korea Australia Finland Ireland United States Switzerland United States Denmark Canada Netherlands Japan Brazil Sweden Netherlands Norway Germany	XL  XL  L  L  L  L  L  L  XL  M  XL  L  L  XL  X	FC F	VH V	5 5 5 5 5 5 5 5 5 5 5 5	A A B A A A A A A A A	90.9 70.3 62.9 59.3 64.5 62 43.8 51.1 63.8 30.5 58 50.6 60.5	91 33.9 78.3 43.7 54.8 51.2 18.8 23.7 68.9 27.1 41.4 24.5	57.6 23.3 85 28.5 66.8 35.8 99.8 52.6 30.9 99.9	3.8 80.4 30.6 73.7 51.5 56.8 59.2 73.6 55.6 65.9 48.8	13.8 65.3 15.4 99 58.1 99.5 78.9 100 97.1	4.3 60.6 33.1 99.1 6.8 93.5 59.3 97.8 61.1
100= 107 114 110 104= 100= 108 100= 112 109 120 111 118 117 122= 135 121 122=	(UNAM)  University of California, Davis (UCD)  Yonsei University  The University of Adelaide  University of Helsinki  University of Helsinki  University of Geneva  University of Geneva  Purdue University  Technical University of Denmark  University of Alberta  University of Groningen  Nagoya University  University  University of Washingen  Nagoya University  Leiden University  University of Oslo	United States South Korea Australia Finland Ireland United States Switzerland United States Denmark Canada Netherlands Japan Brazil Sweden Netherlands Norway Germany	XL L L L XL M XL L L XL XL XL XL XL	FC F	VH V	5 5 5 5 5 5 5 5 5 5	A B A A A A A A A A	70.3 62.9 59.3 64.5 62 43.8 51.1 63.8 30.5 58 50.6 60.5	33.9 78.3 43.7 54.8 51.2 18.8 23.7 68.9 27.1 41.4 24.5	23.3 85 28.5 66.8 35.8 99.8 52.6 30.9 99.9	80.4 30.6 73.7 51.5 56.8 59.2 73.6 55.6 65.9	65.3 15.4 99 58.1 99.5 78.9 100 97.1	60.6 33.1 99.1 6.8 93.5 59.3 97.8 61.1
107 114 110 104= 100= 108 100= 112 109 120 111 118 117 122= 135 121 122=	107 Yonsei University 114 The University of Adelaide 110 University of Helsinki 104= Trinity College Dublin (TCD) 100= Washington University in St. Louis 108 University of Geneva 100= Purdue University 112 Technical University of Denmark 109 University of Alberta 120 University of Groningen 111 Nagoya University 118 Universidade de São Paulo (USP) 117 Uppsala University 122= Leiden University 135 University of Oslo	South Korea Australia Finland Ireland United States Switzerland United States Denmark Canada Netherlands Japan Brazil Sweden Netherlands Norway Germany	L L L XL M XL L L XL XL XL XL XL	FC CO FC	VH V	5 5 5 5 5 5 5 5 5	B A A A A A A A A A	62.9 59.3 64.5 62 43.8 51.1 63.8 30.5 58 50.6 60.5	78.3 43.7 54.8 51.2 18.8 23.7 68.9 27.1 41.4 24.5	85 28.5 66.8 35.8 99.8 52.6 30.9 99.9	30.6 73.7 51.5 56.8 59.2 73.6 55.6 65.9 48.8	15.4 99 58.1 99.5 78.9 100 97.1	33.1 99.1 6.8 93.5 59.3 97.8 61.1
114 110 104= 100= 108 100= 112 109 120 111 118 117 122= 135 121 122=	The University of Adelaide University of Helsinki Trinity College Dublin (TCD) Washington University in St. Louis University of Geneva Purdue University Technical University of Denmark University of Alberta University of Groningen Nagoya University University Universidade de São Paulo (USP) Uppsala University Leiden University University of Oslo	Australia Finland Ireland United States Switzerland United States Denmark Canada Netherlands Japan Brazil Sweden Netherlands Norway Germany	L L L XL M XL L L XL L XL XL XL XL XL	FC CO FC	VH	5 5 5 5 5 5 5 5 5	A A B A A A A A	59.3 64.5 62 43.8 51.1 63.8 30.5 58 50.6 60.5	43.7 54.8 51.2 18.8 23.7 68.9 27.1 41.4 24.5	28.5 66.8 35.8 99.8 52.6 30.9 99.9	73.7 51.5 56.8 59.2 73.6 55.6 65.9 48.8	99 58.1 99.5 78.9 100 97.1	99.1 6.8 93.5 59.3 97.8 61.1
110 104= 100= 108 100= 112 109 120 111 118 117 122= 135 121 122=	University of Helsinki Trinity College Dublin (TCD) Washington University in St. Louis University of Geneva Purdue University Technical University of Denmark University of Alberta University of Groningen Nagoya University University University Universidade de São Paulo (USP) Uppsala University Leiden University University of Oslo	Finland Ireland United States Switzerland United States Denmark Canada Netherlands Japan Brazil Sweden Netherlands Norway Germany	L L L XL M XL L L XL	CO FC	VH	5 5 5 5 5 5 5 5	A B A A A A A	64.5 62 43.8 51.1 63.8 30.5 58 50.6 60.5	54.8 51.2 18.8 23.7 68.9 27.1 41.4 24.5	66.8 35.8 99.8 52.6 30.9 99.9	51.5 56.8 59.2 73.6 55.6 65.9 48.8	58.1 99.5 78.9 100 97.1	6.8 93.5 59.3 97.8 61.1
104= 100= 108 100= 112 109 120 111 118 117 122= 135 121 122=	Trinity College Dublin (TCD)  Washington University in St. Louis  University of Geneva  Purdue University  Technical University of Denmark  University of Alberta  University of Groningen  Nagoya University  Universidade de São Paulo (USP)  Uppsala University  Leiden University  University of Oslo	Ireland United States Switzerland United States Denmark Canada Netherlands Japan Brazil Sweden Netherlands Norway Germany	L L XL M XL L L XL XL XL XL XL	FC FC FC FC FC FC FC FC FC	VH	5 5 5 5 5 5 5 5	A B A A A A A	62 43.8 51.1 63.8 30.5 58 50.6 60.5	51.2 18.8 23.7 68.9 27.1 41.4 24.5	35.8 99.8 52.6 30.9 99.9	56.8 59.2 73.6 55.6 65.9 48.8	99.5 78.9 100 97.1	93.5 59.3 97.8 61.1
100= 108 100= 112 109 120 111 118 117 122= 135 121 122=	Washington University in St. Louis University of Geneva Purdue University Technical University of Denmark University of Alberta University of Groningen Nagoya University University of São Paulo (USP) Uppsala University Leiden University University	United States Switzerland United States Denmark Canada Netherlands Japan Brazil Sweden Netherlands Norway Germany	L L XL M XL L L XL XL XL XL	FC FC FC FC FC FC	VH VH VH VH VH VH VH VH VH	5 5 5 5 5 5 5	B A A A A A	43.8 51.1 63.8 30.5 58 50.6 60.5	18.8 23.7 68.9 27.1 41.4 24.5	99.8 52.6 30.9 99.9 57	59.2 73.6 55.6 65.9 48.8	78.9 100 97.1	59.3 97.8 61.1
108 100= 112 109 120 111 118 117 122= 135 121	108 University of Geneva 100= Purdue University 112 Technical University of Denmark 109 University of Alberta 120 University of Groningen 111 Nagoya University 118 Universidade de São Paulo (USP) 117 Uppsala University 122= Leiden University 135 University of Oslo	Switzerland United States Denmark Canada Netherlands Japan Brazil Sweden Netherlands Norway Germany	L XL M XL L L XL XL XL	FC FC FC FC FC FC	VH VH VH VH VH VH VH	5 5 5 5 5 5 5	A A A A A	51.1 63.8 30.5 58 50.6 60.5	23.7 68.9 27.1 41.4 24.5	52.6 30.9 99.9 57	73.6 55.6 65.9 48.8	100 97.1	97.8 61.1
100= 112 109 120 111 118 117 122= 135 121 122=	Purdue University  Technical University of Denmark  University of Alberta  University of Groningen  Nagoya University  Universidade de São Paulo (USP)  Uppsala University  Leiden University  University Of Oslo	United States Denmark Canada Netherlands Japan Brazil Sweden Netherlands Norway Germany	XL M XL L L XL XL L XL	FC FC FC FC FC	VH VH VH VH VH	5 5 5 5 5 4	A A A A	63.8 30.5 58 50.6 60.5	68.9 27.1 41.4 24.5	30.9 99.9 57	55.6 65.9 48.8	97.1	61.1
112 109 120 111 118 117 122= 135 121 122=	Technical University of Denmark University of Alberta University of Groningen Nagoya University Universidade de São Paulo (USP) Uppsala University Leiden University University University University Of Oslo	Denmark Canada Netherlands Japan Brazil Sweden Netherlands Norway Germany	M XL L XL XL XL	FO FC FC FC FC	VH VH VH VH	5 5 5 5 4	A A A A	30.5 58 50.6 60.5	27.1 41.4 24.5	99.9 57	65.9 48.8		
109 120 111 118 117 122= 135 121 122=	109 University of Alberta 120 University of Groningen 111 Nagoya University 118 Universidade de São Paulo (USP) 117 Uppsala University 122= Leiden University 135 University of Oslo	Canada Netherlands Japan Brazil Sweden Netherlands Norway Germany	XL L XL L XL	FC FC FC FC	VH VH VH	5 5 5 4	A A A	58 50.6 60.5	41.4 24.5	57	48.8	99.5	83
120 111 118 117 122= 135 121 122=	120 University of Groningen  111 Nagoya University  118 Universidade de São Paulo (USP)  117 Uppsala University  122= Leiden University  135 University of Oslo	Netherlands Japan Brazil Sweden Netherlands Norway Germany	L L XL L	FC FC FC	VH VH VH	5 5 4	A A A	50.6 60.5	24.5				
111 118 117 122= 135 121 122=	Nagoya University Universidade de São Paulo (USP) Uppsala University Leiden University University of Oslo	Japan Brazil Sweden Netherlands Norway Germany	L XL L XL	FC FC	VH VH	5	A A	60.5		67.9		91.6	80.8
118 117 122= 135 121 122=	118 Universidade de São Paulo (USP) 117 Uppsala University 122= Leiden University 135 University of Oslo	Brazil Sweden Netherlands Norway Germany	XL L XL	FC FC	VH	4	Α		20.0		51.8	90.9	94.6
117 122= 135 121 122=	117 Uppsala University 122= Leiden University 135 University of Oslo	Sweden Netherlands Norway Germany	L XL	FC					38.6	90.6	37.3	17.7	21.3
122= 135 121 122=	Leiden University University of Oslo	Netherlands Norway Germany	XL		VH	5	Λ	88.3	73.3	25.2	35.2	8.9	3.7
135 121 122=	University of Oslo	Norway Germany		FC			Α	65.8	32.6	46.2	56.9	65.5	37.1
121 122=	,	Germany	L		VH	5	Α	67.6	30.5	29.7	64.1	81	47
122=	121 Humboldt-Universität zu Berlin	,		FC	VH	5	Α	52.6	22.3	77.7	49.2	87.2	30.5
		China	XL	FC	HI	5	Α	88.3	54	12.2	33.9	52.9	34.6
174	, , ,		XL	FC	VH	5	A	60.7	30.3	31	84.2	68.6	11.1
	· ·	Netherlands	XL	FC	VH	5	A	62.8	32.3	42.5	66	56.7	28.1
139	,	Switzerland	M	CO	VH	5	A	30.3	38.2	63.7	90.6	100	46.6
116		Germany	L	CO	VH	4	A	46.3	88.9	29.5	72.6	60	64.3
125		Netherlands	L	FO	VH	5	A	37.4	22	95.6	57.7	38.6	82.1
119		United Kingdom Chile	L	FC FC	VH	5 5	A B	52.6	41.9	34.4	58.8	98.5	97.9
132= 131			L	FC	VH	4	A	85.2 40.4	95.5 27	28.6 52.5	13.6 70.6	19.4 94.5	4.2 97.3
115		United Kingdom United States	XL	FC	VH	5	В	58.5	60	28.7	64.5	21.7	97.3 75
130	· ·	Germany	XL	FC	HI	4	A	80.2	49	5.4	46	62.8	49.4
138		Belgium	XL	FC	VH	5	A	51.9	31.7	84.2	39	65.2	20.1
128=	· ·	Japan	L	FC	VH	5	Α	56.3	47.1	84.4	34.2	20	15
126=	·	Japan	L	FC	VH	5	Α	55.5	49.2	85.6	32.6	18.6	21.5
140	, ,	Finland	L	FO	VH	1	Α	40.1	47.4	55.6	69.9	90.1	37.4
132=	·	United States	L	СО	VH	5	Α	62.5	20.1	14.8	86.2	69.1	29.6
126=		United States	XL	FC	VH	5	Α	54.1	34.8	50.9	70	26.4	26.5
149=		Canada	XL	FC	VH	5	Α	55.2	55.5	55.4	27.5	91.1	61.8
144	Rheinisch-Westfälische Technische Hochschule Aachen	Germany	XL	FC	VH	5	Α	55.3	97.2	13	59	42.4	68.2
137		France	S	FO	VH	1	Α	15.8	100	88.7	45.4	72.1	90.1
128=	·	Sweden	М	СО	VH	5	В	30.5	61.4	54.9	73.1	96.8	45.2
146	, , , , , , , , , , , , , , , , , , , ,	Canada	L	FC	VH	5	Α	40.4	42.5	85	32.4	97.9	45.1
136	136 University of Pittsburgh	United States	L	FC	VH	5	Α	44.6	21.9	96.2	49	15.3	23.6
160=	60= University of Technology Sydney (UTS)	Australia	L	СО	VH	3	Α	44.3	80.6	10.1	68.2	98.3	93.8
141=	41= Michigan State University	United States	XL	FC	VH	5	Α	61.9	65.8	18.6	54.4	63.8	36.2
141=	41= Aarhus University	Denmark	L	FC	VH	4	Α	52.9	45.7	38	62.7	81.7	17.6
141=	41= Newcastle University	United Kingdom	L	FC	VH	4	Α	41	73.7	47.7	43.4	89.9	84.7
	147 Technische Universität Berlin	Germany	L	CO	VH	5	Α	53.9	77.7	47.6	30.2	42	69.3
147	University of York	United Kingdom	L	FC	VH	4	Α	42	40.8	56.8	51.3	91	66
147 134	Politecnico di Milano	Italy	XL	FO	VH	5	Α	60.4	84.3	6.3	56.9	44.6	54.5
	51= Hanyang University	South Korea	L	FC	VH	4	В	46.8	68.4	77.2	30.8	25.4	34.8
	1 1 1 1 1 1	137 CentraleSupélec  128= Chalmers University of Technology  146 McMaster University  136 University of Pittsburgh  160= University of Technology Sydney (UTS)  141= Michigan State University  141= Aarhus University  141= Newcastle University  147 Technische Universität Berlin  134 University of York  156= Politecnico di Milano	137 CentraleSupélec France  128= Chalmers University of Technology Sweden  146 McMaster University Canada  136 University of Pittsburgh United States  160= University of Technology Sydney (UTS) Australia  141= Michigan State University United States  141= Aarhus University Denmark  141= Newcastle University United Kingdom  147 Technische Universität Berlin Germany  134 University of York United Kingdom  156= Politecnico di Milano Italy	137 CentraleSupélec France S 128= Chalmers University of Technology Sweden M 146 McMaster University Canada L 136 University of Pittsburgh United States L 160= University of Technology Sydney (UTS) Australia L 141= 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   VH         3         A         44.3           141=         Michigan State University         United States         XL         FC         VH         5         A         61.9           141=         Aarhus University         Denmark         L         FC         VH         4         A         52.9           141=         Newcastle University         United Kingdom         L         FC         VH         4         A         41           147         Technische Universität Berlin         Germany         L         CO         VH         5         A         53.9<	137         CentraleSupélec         France         S         FO         VH         1         A         15.8         100           128=         Chalmers University of Technology         Sweden         M         CO         VH         5         B         30.5         61.4           146         McMaster University         Canada         L         FC         VH         5         A         40.4         42.5           136         University of Pittsburgh         United States         L         FC         VH         5         A         44.6         21.9           160=         University of Technology Sydney (UTS)         Australia         L         CO         VH         3         A         44.6         21.9           141=         Michigan State University         United States         XL         FC         VH         5         A         61.9         65.8           141=         Aarhus University         Denmark         L         FC         VH         4         A         52.9         45.7           141=         Newcastle University         United Kingdom         L         FC         VH         4         A         41         73.7           147 <th< td=""><td>137 CentraleSupélec France S FO VH 1 A 15.8 100 88.7  128= Chalmers University of Technology Sweden M CO VH 5 B 30.5 61.4 54.9  146 McMaster University Canada L FC VH 5 A 40.4 42.5 85  136 University of Pittsburgh United States L FC VH 5 A 44.6 21.9 96.2  160= University 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University   United Kingdom   L   FC   VH   4   A   41   73.7   47.7   43.4   89.9     147   Technische Universität Berlin   Germany   L   CO   VH   5   A   53.9   77.7   47.6   30.2   42     134   University of York   United Kingdom   L   FC   VH   4   A   42   40.8   56.8   51.3   91     156=   Politecnico di Milano   Italy   XL   FO   VH   5   A   60.4   84.3   6.3   56.9   44.6  </td></th<>	137 CentraleSupélec France S FO VH 1 A 15.8 100 88.7  128= Chalmers University of Technology Sweden M CO VH 5 B 30.5 61.4 54.9  146 McMaster University Canada L FC VH 5 A 40.4 42.5 85  136 University of Pittsburgh United States L FC VH 5 A 44.6 21.9 96.2  160= University of Technology Sydney (UTS) Australia L CO VH 3 A 44.3 80.6 10.1  141= Michigan State University United States XL FC VH 5 A 61.9 65.8 18.6  141= Aarhus University Denmark L FC VH 4 A 52.9 45.7 38  141= Newcastle University United Kingdom L FC VH 4 A 41 73.7 47.7  147 Technische Universität Berlin Germany L CO VH 5 A 53.9 77.7 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  128=   Chalmers University of Technology   Sweden   M   CO   VH   5   B   30.5   61.4   54.9   73.1   96.8     146   McMaster University   Canada   L   FC   VH   5   A   40.4   42.5   85   32.4   97.9     136   University of Pittsburgh   United States   L   FC   VH   5   A   44.6   21.9   96.2   49   15.3     160=   University of Technology Sydney (UTS)   Australia   L   CO   VH   3   A   44.3   80.6   10.1   68.2   98.3     141=   Michigan State University   United States   XL   FC   VH   5   A   61.9   65.8   18.6   54.4   63.8     141=   Aarhus University   Denmark   L   FC   VH   4   A   52.9   45.7   38   62.7   81.7     141=   Newcastle University   United Kingdom   L   FC   VH   4   A   41   73.7   47.7   43.4   89.9     147   Technische Universität Berlin   Germany   L   CO   VH   5   A   53.9   77.7   47.6   30.2   42     134   University of York   United Kingdom   L   FC   VH   4   A   42   40.8   56.8   51.3   91     156=   Politecnico di Milano   Italy   XL   FO   VH   5   A   60.4   84.3   6.3   56.9   44.6

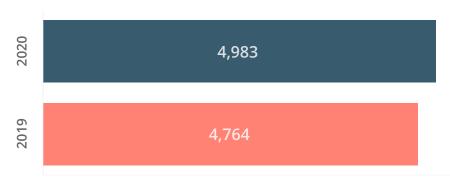
#### **ACADEMIC REPUTATION**

94,672 **ACADEMIC** RESPONDENTS +12%

1,496,116 ACADEMIC NOMINATIONS +19%

149 LOCATIONS FEATURED

#### NUMBER OF INSTITUTIONS NOMINATED BY ACADEMICS



There has been an increase of almost 5% in the number of institutions nominated by academics globally.

#### RECEIVED ACADEMIC NOMINATIONS: DISTRIBUTION BY LOCATION



Domestic



# Create | Innovate | Empower

A leading institution of higher education in the United Arab Emirates and across the region, Zayed University is distinguished for its dedication to research and scholarship that seeks to address the needs of a culturally diverse, technologically advanced, and increasingly global environment. We take pride in providing world-class undergraduate and graduate programs to both national and international students across two modern campuses in Abu Dhabi and Dubai.

#### Some of our research facilities Include:

- Assistive Technology Resource Centers
- Cognition & Neuroscience Research Laboratory
- Bloomberg Virtual Trading Labs and CFA Training
- 3D Printing & Robotics Fabrication Laboratory
- Hyperspectral & Instrumentation Laboratories
- Cyber Security and Digital Forensics Laboratories
- Zayed University Center for Educational Innovation
- Marine and Coral Propagation Laboratory



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# QS World University Rankings®:

# Methodology



#### Rankings team

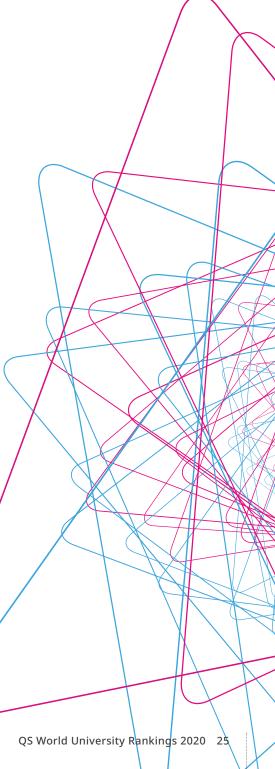
QS Quacquarelli Symonds

The 2020 edition of the QS World University Rankings marks 15 years of this exercise. The 2020 edition maintains its consistent methodology, with no significant alterations since faculty area normalization was introduced in 2015.

The World University Rankings are compiled using six simple indicators that we believe encapsulate university performance at a global level, according to key aspects of their mission. This stability behind the methodology ensures that year-on-year comparisons remain valid, and that volatility in the tables is minimised.

We evaluate universities for the
World University Rankings according
to the six indicators, designed
to capture research efficiency,
academic standing, the fostering
of graduate employability, class
sizes, and the extent to which
internationalization is being achieved.

- 1. Academic Reputation (40%)
- 2. Employer Reputation (10%)
- 3. Faculty/Student Ratio (20%)
- 4. Citations per faculty (20%)
- 5. International Faculty Ratio (5%)
- 6. International Student Ratio (5%)



## 1. Academic Reputation (40%)

A world-leading university should be recognised as such by the global academic community. For this reason, Academic Reputation receives the highest weighting of any indicator in the rankings (40%). This indicator is based on data from the QS Academic Survey, which, for the 2020 edition of the rankings, accounts for the expert opinions of over 94,000 academics in the higher education space regarding the research quality of the world's universities. This exercise constitutes the world's largest survey of academic opinion, and, in terms of its size and global coverage, is an unparalleled means of measuring sentiment in the global academic community.

## 2. Employer Reputation (10%)

Of critical importance to students seeking to make crucial study decisions is the question of future employability. This means that the opinion of employers regarding an institution's capacity to produce reputable, well-prepared graduates provides important insight into university performance.

Our Employer Reputation indicator is based on around 45,000 responses to our QS Employer Survey. This survey asks employers to identify those institutions from which they source the most competent, innovative and employable graduates. As with the QS Academic Survey, the QS Employer Survey is largest of its kind in the world.

## 3. Faculty/Student Ratio (20%)

Students typically specify that teaching quality is of the utmost importance when they come to compare, and choose between, prospective universities. Teaching quality is notoriously difficult to measure, especially on a global scale, but we have determined that measuring teacher/student ratios is the most effective proxy indicator for teaching quality. This ratio assesses the extent to which institutions are able to provide students with meaningful access to lecturers and tutors, and recognizes that institutions with a low faculty/student ratio will reduce the teaching burden on each individual academic.



#### 4. Citations Per Faculty (20%)

Another key part of an institution's mission is research output. We measure institutional research quality using our Citations per Faculty indicator. This indicator is per Faculty so that we can meaningfully compare institutions of different size - an indicator that simply accounted for raw citations output would unduly privilege large, typically wealthier, research institutions.

To calculate this indicator, we take the total number of citations (over six years) received by all papers produced by the institution over a five-year period and divide this by the number of full-time equivalent faculty members at that institution.

All of the research data we use for the QS World University Rankings is provided by Elsevier's Scopus database. The paper period we are using for the 2020 cycle of rankings is 2013 through 2017. For citations, we extend the window to six years, reflecting the fact that it takes time for research to be effectively disseminated throughout the academic community. This makes

the citations window for the 2020 cycle of rankings 2013 through 2018.

To account for the fact that different fields have very different publishing cultures we normalise citation and paper counts. This means that a citation received for a paper in Philosophy is weighted differently to one received for a paper on Anatomy and Physiology, ensuring that, in evaluating an institution's true research impact, both citations are given equal weight, and that institutions that specialize in the Life Sciences and Medicine – where citation yields are typically far higher than in the Humanities - do not receive undue advantage.

All citations data is sourced using Elsevier's Scopus database, the world's largest repository of academic journal data. This year, QS assessed over 13 million papers and 93 million citations to compile the rankings.

#### 5. International Faculty Ratio / 6. International Student Ratio (5% each)

A world-class university should both attract students and appeal to faculty from across the world, and internationalization, when successful, can have myriad indirect positive impacts on institutional performance. There are numerous advantages to having an international student and faculty body - it implies a highly global outlook, which is necessary for working in today's increasingly internationalised higher education sector and global job market. It also provides both students and staff alike with a multinational environment, facilitating exchange of best practices and beliefs; and provides students with international sympathies and global awareness. For the QS World University Rankings, the proportion of international faculty and the proportion of international students are worth 5% each in the weighting.

We welcome any engagement from stakeholders in our ranking regarding our methodology or datasets, and our Rankings team can be contacted at rankings@qs.com.

#### **EMPLOYER REPUTATION**

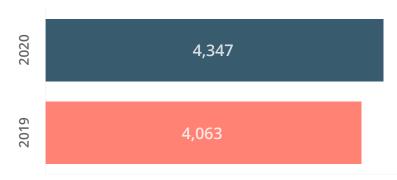
44,884 **EMPLOYER** RESPONDENTS +5%

239,131 **EMPLOYER** NOMINATIONS +20%

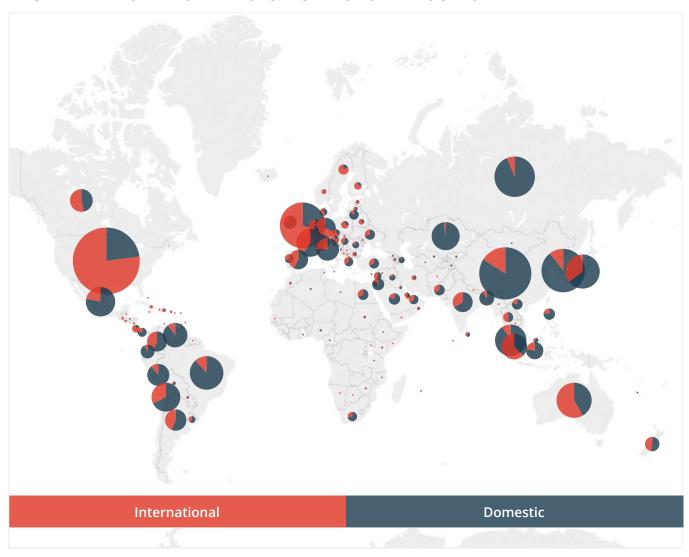
148 LOCATIONS **FEATURED** 

The US, Europe and Australia dominate the Employer Reputation indicator, with particular success in the attraction of international nominations. China, India and Russia are also showcasing solid results but with stronger focus on their national markets.

#### NUMBER OF INSTITUTIONS NOMINATED BY ACADEMICS



#### RECEIVED EMPLOYER NOMINATIONS: DISTRIBUTION BY LOCATION











Altai State University is one of the priority members of the University of Shanghai Cooperation Organization (SCO), carrying out a series of network educational programs within the SCO University.

The University has a preparatory department for foreign students studying the Russian Language with subsequent admission to the University.

The University has a high institutional capacity in research and innovation fields:

- 16 laboratories in cooperation with The Russian Academy of Sciences
- 4 research institutes
- Asian Expert-Analitical Center
- Microsoft IT Academy
- Cisco Networking Academy
- Big Data Analysis Center

13,5%

International students

348

Bachelor's and Master's Educational programs

30

Joint Educational Programs with Foreign Universities

Engineering Center "PromBioTech" Bisness Incubator South-Siberian Botanical Garden

Russian-American AntiCancer Center Research Institute of Biological Medicine



	2020 Rank	2019 Rank	Institution	Location	Size	Focus	Res.	Age	Status	Academic reputation	Employer reputation	Faculty student	Citations per faculty	International faculty	International students	Overall
<b>1</b>	151	160=	University of Basel	Switzerland	М	FC	VH	5	Α	30.4	25	37.8	91.3	100	86.4	50
<b>1</b>	152	162	Indian Institute of Technology Bombay (IITB)	India	М	СО	VH	4	Α	54.5	71.2	45.8	54.6	3.4	1.6	49.4
4	153	149=	University of Lausanne	Switzerland	L	СО	VH	5	Α	35.3	23	68.4	52.8	99.2	69	49.2
4	154=	145	Cardiff University	United Kingdom	L	FC	VH	5	Α	48.6	38.3	52.5	37.9	79.1	69.8	49
1	154=	175=	Universität Wien	Austria	XL	FC	VH	5	Α	64.4	47.3	26.2	17.9	98.3	92.5	49
4	156=	148	Emory University	United States	L	FC	VH	5	В	26.9	11.8	99.7	59.1	49.4	45.2	48.6
$\leftrightarrow$	156=	156=	University of Minnesota	United States	XL	FC	VH	5	Α	66.2	26.1	31.9	58.2	6.9	18.8	48.6
1	158	178	Tecnológico de Monterrey (ITESM)	Mexico	L	FC	HI	4	В	36.9	88.9	89.5	4.6	98.2	18.4	48.5
1	159	202	Universiti Putra Malaysia (UPM)	Malaysia	L	FC	VH	3	Α	44.8	44.4	73.2	20.9	58.8	82.3	48.4
4	160=	153	Ecole Normale Supérieure de Lyon	France	S	CO	VH	5	Α	35.4	10.4	97	47.9	59.5	20.3	48.3
1	160=	184=	Universiti Kebangsaan Malaysia (UKM)	Malaysia	L	FC	VH	3	Α	50.9	44.7	87.8	13.1	24	38.9	48.3
4	162	154=	Hebrew University of Jerusalem	Israel	L	FC	VH	5	Α	39.4	38.5	77.9	43.4	71.1	11.6	48.2
1	163=	171	University of Bergen	Norway	M	FC	VH	4	Α	34.1	13	79.5	60.8	88.6	10.1	48.1
Ψ	163=	154=	University of Exeter	United Kingdom	L	FC	VH	4	Α	38.8	57.2	41.5	49	92	80.6	48.1
<b>↑</b>	165=	166	Universitat de Barcelona (UB)	Spain	XL	FC	VH	5	Α	71.8	45.5	32.5	29.8	5.8	33.8	47.9
<b>1</b>	165=	207	Universiti Sains Malaysia (USM)	Malaysia	L	FC	VH	4	Α	49.6	52.5	74.9	17.7	37.5	46	47.9
<b>V</b>	167=	165	Université Catholique de Louvain (UCL)	Belgium	L	FC	VH	5	В	51.3	45.5	10.4	68.4	89	44.7	47.7
<b>1</b>	167=	180=	University of Florida	United States	XL	FC	VH	5	Α .	50.9	48.3	74	29.6	18.7	13	47.7
<b>1</b>	169=	168	Eberhard Karls Universität Tübingen	Germany	L	FC	VH	5	A	46.3	25.7	89.4	17.8	59.7	32.1	47.3
<b>1</b>	169=	186=	Universität Freiburg	Germany	L	FC	VH	5 5	A	53	24.4	38.6	50.6	64.9	48.3	47.3
4	171 172	184= 158	University of Rochester	United States	M	FC CO	VH	4	B A	25 36.9	7.4 63	100 25.6	42.1 56	67.3 98.2	90.6	47.2 47
<b>V</b>	172	163=	University of Bath  National Tsing Hua University	United Kingdom Taiwan	L	СО	VH	4	A	47.5	59.6	32.2	65.8	24.6	18	46.8
<b>1</b>	173=	180=	Queen's University of Belfast	United Kingdom	L	FC	VH	5	A	28.9	36	43.5	64.9	99.5	96.5	46.8
<b>+</b>	173=	163=	University of Waterloo	Canada	XL	СО	VH	4	A	39.3	76.5	7.6	68.5	77.6	84.1	46.8
4	176	175=	University of Otago	New Zealand	L	FC	VH	5	Α	51.7	41.4	19.6	48.2	100	62.9	46.7
4	177=	167	Scuola Superiore Sant'Anna Pisa	Italy	S	FC	VH	3		14.6	8	86.2	99.3	2.1	52.5	46.6
<b>1</b>	177=	180=	Università di Bologna (UNIBO)	Italy	XL	FC	VH	5	Α	74.7	46.3	6	46.8	14	13.5	46.6
<b>1</b>	179=	186=	Case Western Reserve University	United States	М	FC	VH	5	В	19.9	17.1	92	58.7	53.7	74	46.4
<b>1</b>	179=	191	Technische Universität Dresden	Germany	XL	FC	VH	5	Α	35.8	69.7	84.6	21.3	38.5	37.5	46.4
4	181	164=	University of Liverpool	United Kingdom	L	FC	VH	5	Α	42.2	32.9	50.5	34.4	86.5	93.4	46.3
4	182	172=	Indian Institute of Technology Delhi (IITD)	India	М	СО	VH	4	Α	46.8	63	23.3	80.6	3.3	1.5	46.2
4	183	179	Erasmus University Rotterdam	Netherlands	L	FO	VH	5	Α	35.2	53.5	42.6	53.7	75.3	68.9	46.1
4	184	170	Indian Institute of Science (IISc) Bangalore	India	S	SP	VH	5	Α	33.3	16.2	53.2	100	1.5	1.8	45.9
1	185	193=	University College Dublin (UCD)	Ireland	L	FC	VH	5	Α	46	42.6	31.2	42.4	97.6	64.4	45.6
1	186=	231=	King Abdul Aziz University (KAU)	Saudi Arabia	XL	FC	VH	4	Α	28.5	36.8	71.3	38.6	99	60.6	45.2
4	186=	172=	University of Twente	Netherlands	М	FO	VH	4	Α	21.1	35.1	39.8	81.2	94.4	83	45.2
<b>↑</b>	188	193=	Universitat Autónoma de Barcelona	Spain	XL	FC	VH	4	Α	61.1	38.4	14.1	54.7	30.7	26.6	45.1
<b>↑</b>	189=	203	Texas A&M University	United States	XL	FC	VH	5	Α	60.9	59.7	13.5	50.6	20.3	12.7	45
<b>↑</b>	189=	208=	Universidad de Chile	Chile	XL	FC	VH	5	Α	71.6	90.8	16.3	14.5	10.1	8.4	45
<b>↑</b>	191	200=	Stockholm University	Sweden	L	CO	VH	5	A	54.7	16.8	34.7	46.2	82.3	15.7	44.8
<b>1</b>	192=	199	Technische Universität Wien	Austria	M	FO	VH	5	A	32.9	57.7	8.6	78.7	75	87.6	44.7
ψ Ψ	192=	159	Universidad Autónoma de Madrid	Spain	L	FC	VH	4	A	57.4	64	45.8	24	9.9	14.1	44.7
	194	172=	University of Aberdeen	United Kingdom	L	FC	VH	5	A	29.5	23.2	39.6	63.6	95.7	98.2	44.6
<b>↑</b>	195	188	Vrije Universiteit Brussel (VUB)	Belgium	M	FC	VH	5 5	A	25.9	24.7	90	29.7	85.9	65	44.5
↔	196 197	208= 197	Waseda University	Japan	XL	CO FC	VH	5	В	58.6	86.9 19	36.8 66.1	7.5	29.2 45.1	35.8 26.6	44.4 44.2
<b>1</b>	197	200=	Georg-August-Universität Göttingen University of Cape Town	Germany South Africa	XL L	FC	VH	5	A A	51.2 47.5	47.6	28.3	24.1 44.4	71.3	40.9	44.2
<b>1</b>	198=	192	University of Cape Town University of Virginia	United States	L	FC	VH	5	A	39.2	46.6	28.3 64.3	44.4	14.6	15.8	44.1
4	200=	198	Keio University	Japan	XL	FC	VH	5	В	51.4	77.2	62.2	9.4	13.2	11.3	44.1
			King Fahd University of Petroleum & Minerals													
4	200=	189	(KFUPM)	Saudi Arabia	М	CO	VH	4	Α	26.8	20.1	85.2	40.1	100	21.8	44
4	200=	195=	Vanderbilt University	United States	L	FC	VH	5	В	28.2	25.4	100	36	23.7	32.8	44





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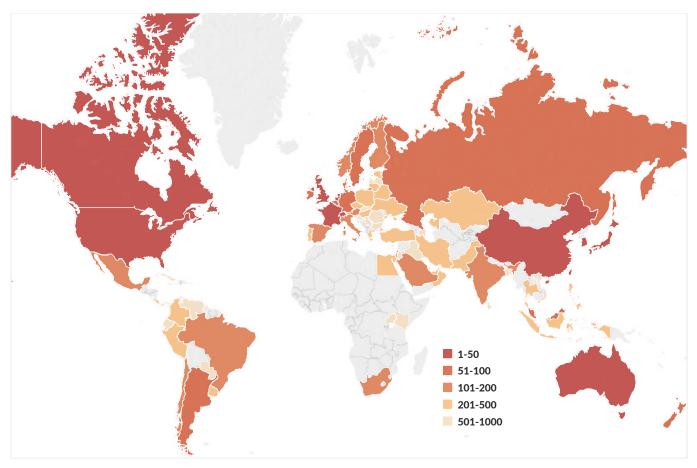
# YONSEI UNIVERSITY ADVANCES AS BIOCLUSTER HUB

Yonsei University continues to pursue innovation through cuttingedge research in biotechnology and information technology at the Yonsei International Campus in Songdo, Incheon.



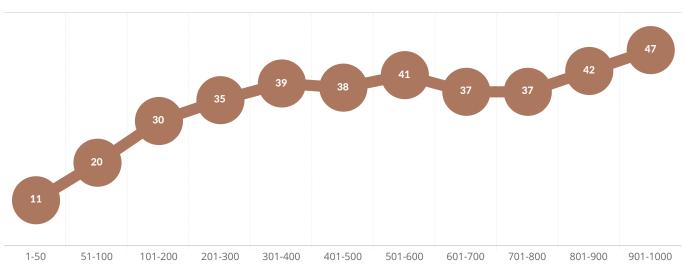
217 175= 195= 190 220 183 214= 212= 214= 206 218= 204= 212= 212= 212= 204= 204=	Sapienza - Università di Roma Scuola Normale Superiore di Pisa University of Reading University of Colorado at Boulder Al-Farabi Kazakh National University Dartmouth College University of Newcastle University of Notre Dame Western University Universidad Complutense de Madrid (UCM) University of Wollongong	Italy Italy United Kingdom United States Kazakhstan United States Australia United States	XL S L XL	FC FO CO	VH VH	5					Citations	International faculty	International students	
195= 190 220 183 214= 212= 214= 206 218= 204= 204= 212= 212= 212=	University of Reading University of Colorado at Boulder Al-Farabi Kazakh National University Dartmouth College University of Newcastle University of Notre Dame Western University Universidad Complutense de Madrid (UCM)	United Kingdom United States Kazakhstan United States Australia	L XL		\/		Α	72.9	33.3	5.7	43.8	10.1	8.5	43
190 220 183 214= 212= 214= 206 218= 204= 212= 212=	University of Colorado at Boulder Al-Farabi Kazakh National University Dartmouth College University of Newcastle University of Notre Dame Western University Universidad Complutense de Madrid (UCM)	United States Kazakhstan United States Australia	XL	CO	VП			22.4	7.3	100	57.7	19.7	21.1	43
220 183 214= 212= 214= 206 218= 204= 212= 221=	Al-Farabi Kazakh National University Dartmouth College University of Newcastle University of Notre Dame Western University Universidad Complutense de Madrid (UCM)	Kazakhstan United States Australia			VH	5	Α	33.2	34.9	32.7	53.4	94	88.9	43
183 214= 212= 214= 206 218= 204= 212= 212=	Dartmouth College University of Newcastle University of Notre Dame Western University Universidad Complutense de Madrid (UCM)	United States Australia		CO	VH	5	Α	37.9	25.5	63.3	50.4	37.2	14.1	43
214= 212= 214= 206 218= 204= 212= 221=	University of Newcastle University of Notre Dame Western University Universidad Complutense de Madrid (UCM)	Australia	L	CO	HI	4	Α	34	60.7	98.6	1.2	40.8	26.1	43
212= 214= 206 218= 204= 212= 212=	University of Notre Dame Western University Universidad Complutense de Madrid (UCM)		M	FC	VH	5	В	20.8	28.9	76.8	71.5	5.8	35.1	43
214= 206 218= 204= 212= 221=	Western University Universidad Complutense de Madrid (UCM)	United States	L	FC	VH	4	Α	34.1	31	32.8	57.4	100	63.4	43
206 218= 204= 212= 221=	Universidad Complutense de Madrid (UCM)		L	CO	VH	5	В	29.8	42.6	67.3	49.8	43.1	20.6	42
218= 204= 212= 221=		Canada	L	FC	VH	5	Α	30.4	65.7	9.1	73.5	98.4	50.1	42
204= 212= 221=	University of Wollongong	Spain	XL	FC	VH	5	Α	64.6	71.6	26.6	14.5	3.6	24.1	42
212=	Hebrereidede Fete I. I. I. G	Australia	L	FC	VH	3	A	31	34.3	21.6	66.9	93.4	86.4	42
221=	Universidade Estadual de Campinas (Unicamp)	Brazil	L	FC	VH	4	A	67.5	34.5	21.1	32.7	9.9	4.3	42
	Arizona State University	United States	XL	CO	VH	5	A	42	29.9	12.2	67.9	64.1	56.6	4
204=	Victoria University of Wellington	New Zealand Netherlands	L	CO FC	VH VH	5 4	A	47 31.1	36	13.4 39.4	44.3	99.3 54.4	59.2	41
	Radboud University Nijmegen		L	CO	VH	3	A A	33.9	15.3 45	73.3	76.7	27.3	26.2	41
228	Universiti Teknologi Malaysia (UTM) Tel Aviv University	Malaysia Israel	L	FC	VH	4	A	35.4	40.5	7.8	22.7 95.4	35.2	53.7 11.8	41
169	University of California, Irvine (UCI)	United States	XL	FC	VH	4	A	45.3	16.7	16.9	64.4	37.4	65.6	41
231=	Vrije Universiteit Amsterdam	Netherlands	L	FC	VH	5	A	41.7	16.8	49.1	47.7	47.3	21.7	41
218=	Loughborough University	United Kingdom	L	FO	VH	4	Α	30	63.3	34.4	40.4	82.8	72.1	4
223=	University of Antwerp	Belgium	L	FC	VH	3	Α	23.9	19.3	85.3	32.9	71.3	41.3	4
244=	Queensland University of Technology (QUT)	Australia	XL	СО	VH	3	Α	42.8	46.9	10.1	45.9	98.9	52.6	40
234	National Cheng Kung University	Taiwan	L	FC	VH	4	Α	40.8	53.4	42.5	39.7	17.7	26.4	40
226	Georgetown University	United States	L	FC	VH	5	В	34.2	42.8	67.6	26.7	16.6	47.3	40
208=	National Chiao Tung University	Taiwan	M	СО	VH	5	Α	28.9	52.1	45.8	54.6	29.1	31.5	4
223=	Universität Hamburg	Germany	XL	FC	VH	5	Α	47.7	15.5	41	38.4	45.3	22.6	4
231=	University of Canterbury	New Zealand	L	СО	VH	5	Α	38.8	43.8	13	45.9	100	64.6	4
250=	Curtin University	Australia	L	CO	VH	3	Α	32.4	47.3	19.5	52.7	100	51.8	39
244=	Novosibirsk State University	Russia	M	CO	VH	4	Α	30	26.4	93.8	16.4	11.6	49.1	3
214=	University of Illinois, Chicago (UIC)	United States	L	FC	VH	5	Α	46.4	33.7	43.6	36.4	12.7	22.6	3
229	University of Calgary	Canada	XL	FC	VH	4	Α	34.1	39	30.6	43.2	84.5	61.2	3
235	Saint-Petersburg State University	Russia	L	FC	VH	5	Α	38.6	31.3	87.9	6	6.9	35.8	3
272=	Universidad de Los Andes Colombia	Colombia	L	FC	HI	4	В	54.4	87.9	27.6	8.1	32.1	3.1	3
249	Università degli Studi di Padova (UNIPD)	Italy	XL	FC	VH	5	Α	55.1	38.7	13.3	49.8	12.5	6.1	3
250=	Macquarie University	Australia	L	FC	VH	4	Α .	30.6	47.3	23.6	40.5	96.5	95.8	3
250=	RMIT University	Australia	XL	CO	VH	3	A	37.1	63.1	12.3	29.2	100	93.2	3
211	Maastricht University	Netherlands	L	CO	VH	3	A	22.1	22.1	24.6	65.1	97.4	100	
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264=		South Korea	L	FC	VH	4	В	27.1	32.4	87.8	18.4	15.2	41.1	3
			S		MD			4.7		95.1		95	99.7	3
	Ecole des Ponts ParisTech	France	S	FO	VH	5	Α	8.7	53.9	92.1	20.2	27.1	99.7	3
	239= 223= 221= 255 237= 242= 227 271 264=	223= University of Leicester  221= Sciences Po Paris  255 Rheinische Friedrich-Wilhelms-Universität Bonn  237= American University of Beirut (AUB)  242= Universidad de Navarra  227 University of Sussex  271 Chulalongkorn University  264= Kyung Hee University  TELECOM ParisTech	223= University of Leicester United Kingdom 221= Sciences Po Paris France 255 Rheinische Friedrich-Wilhelms-Universität Bonn Germany 237= American University of Beirut (AUB) Lebanon 242= Universidad de Navarra Spain 227 University of Sussex United Kingdom 271 Chulalongkorn University Thailand 264= Kyung Hee University South Korea TELECOM ParisTech France	223=     University of Leicester     United Kingdom     L       221=     Sciences Po Paris     France     M       255     Rheinische Friedrich-Wilhelms-Universität Bonn     Germany     XL       237=     American University of Beirut (AUB)     Lebanon     M       242=     Universidad de Navarra     Spain     M       227     University of Sussex     United Kingdom     L       271     Chulalongkorn University     Thailand     XL       264=     Kyung Hee University     South Korea     L       TELECOM ParisTech     France     S	223=     University of Leicester     United Kingdom     L     FC       221=     Sciences Po Paris     France     M     SP       255     Rheinische Friedrich-Wilhelms-Universität Bonn     Germany     XL     FC       237=     American University of Beirut (AUB)     Lebanon     M     FC       242=     Universidad de Navarra     Spain     M     FC       227     University of Sussex     United Kingdom     L     FC       271     Chulalongkorn University     Thailand     XL     FC       264=     Kyung Hee University     South Korea     L     FC       TELECOM ParisTech     France     S     SP	223=     University of Leicester     United Kingdom     L     FC     VH       221=     Sciences Po Paris     France     M     SP     VH       255     Rheinische Friedrich-Wilhelms-Universität Bonn     Germany     XL     FC     VH       237=     American University of Beirut (AUB)     Lebanon     M     FC     VH       242=     Universidad de Navarra     Spain     M     FC     VH       227     University of Sussex     United Kingdom     L     FC     HI       271     Chulalongkorn University     Thailand     XL     FC     HI       264=     Kyung Hee University     South Korea     L     FC     VH       TELECOM ParisTech     France     S     SP     MD	University of Leicester  United Kingdom  L FC VH 4  221= Sciences Po Paris France M SP VH 5  255 Rheinische Friedrich-Wilhelms-Universität Bonn Germany XL FC VH 5  237= American University of Beirut (AUB) Lebanon M FC VH 5  242= Universidad de Navarra Spain M FC VH 4  227 University of Sussex United Kingdom L FC HI 4  271 Chulalongkorn University Thailand XL FC HI 5  Kyung Hee University South Korea L FC VH 4  TELECOM ParisTech France S SP MD	223= University of Leicester United Kingdom L FC VH 4 A 221= Sciences Po Paris France M SP VH 5 A 255 Rheinische Friedrich-Wilhelms-Universität Bonn Germany XL FC VH 5 A 237= American University of Beirut (AUB) Lebanon M FC VH 5 B 242= Universidad de Navarra Spain M FC VH 4 B 227 University of Sussex United Kingdom L FC HI 4 A 271 Chulalongkorn University Thailand XL FC HI 5 A 264= Kyung Hee University South Korea L FC VH 4 B TELECOM ParisTech France S SP MD	223=         University of Leicester         United Kingdom         L         FC         VH         4         A         24.6           221=         Sciences Po Paris         France         M         SP         VH         5         A         22.3           255         Rheinische Friedrich-Wilhelms-Universität Bonn         Germany         XL         FC         VH         5         A         49.6           237=         American University of Beirut (AUB)         Lebanon         M         FC         VH         5         B         24.6           242=         Universidad de Navarra         Spain         M         FC         VH         4         B         31           227         University of Sussex         United Kingdom         L         FC         HI         4         A         28.7           271         Chulalongkorn University         Thailand         XL         FC         HI         5         A         62.4           264=         Kyung Hee University         South Korea         L         FC         VH         4         B         27.1           TELECOM ParisTech         France         S         SP         MD         4.7	223=         University of Leicester         United Kingdom         L         FC         VH         4         A         24.6         18.5           221=         Sciences Po Paris         France         M         SP         VH         5         A         22.3         32.6           255         Rheinische Friedrich-Wilhelms-Universität Bonn         Germany         XL         FC         VH         5         A         49.6         16.7           237=         American University of Beirut (AUB)      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Friedrich-Wilhelms-Universität Bonn         Germany         XL         FC         VH         5         A         49.6         16.7         46.6           237=         American University of Beirut (AUB)         Lebanon         M         FC         VH         5         B         24.6         52.9         63.1           242=         Universidad de Navarra         Spain         M         FC         VH         4         B         31         75.1         44.1           227         University of Sussex         United Kingdom         L         FC         HI         4         A         28.7         11         29.3           271         Chulalongkorn University         Thailand         XL         FC         HI         5         A         62.4         56.5         25.6           264=         Kyung Hee University         South Korea         L	223=       University of Leicester       United Kingdom       L       FC       VH       4       A       24.6       18.5       44.5       48.5         221=       Sciences Po Paris       France       M       SP       VH       5       A       22.3       32.6       89.1       5.1         255       Rheinische Friedrich-Wilhelms-Universität Bonn       Germany       XL       FC       VH       5       A       49.6       16.7       46.6       22.3         237=       American University of Beirut (AUB)       Lebanon       M       FC       VH       5       B       24.6       52.9       63.1       15.2         242=       Universidad de Navarra       Spain       M       FC       VH       4       B       31       75.1       44.1       25.8         227       University of Sussex       United Kingdom       L       FC       HI       4       A       28.7       11       29.3       51.2         271       Chulalongkorn University       Thailand       XL       FC       HI       5       A       62.4       56.5       25.6       8.5         264=       Kyung Hee University       South Korea       L       FC	223=       University of Leicester       United Kingdom       L       FC       VH       4       A       24.6       18.5       44.5       48.5       83.1         221=       Sciences Po Paris       France       M       SP       VH       5       A       22.3       32.6       89.1       5.1       56         255       Rheinische Friedrich-Wilhelms-Universität Bonn       Germany       XL       FC       VH       5       A       49.6       16.7       46.6       22.3       40.9         237=       American University of Beirut (AUB)       Lebanon       M       FC       VH       4       B       24.6       52.9       63.1       15.2       90.2         242=       Universidad de Navarra       Spain       M       FC       VH       4       B       31       75.1       44.1       25.8       21.6         227       University of Sussex       United Kingdom       L       FC       HI       4       A       28.7       11       29.3       51.2       96.9         271       Chulalongkorn University       Thailand       XL       FC       HI       5       A       62.4       56.5       25.6       8.5       11.5	223=       University of Leicester       United Kingdom       L       FC       VH       4       A       24.6       18.5       44.5       48.5       83.1       89.1         221=       Sciences Po Paris       France       M       SP       VH       5       A       22.3       32.6       89.1       5.1       56       99.2         255       Rheinische Friedrich-Wilhelms-Universität Bonn       Germany       XL       FC       VH       5       A       49.6       16.7       46.6       22.3       40.9       26.4         237=       American University of Beirut (AUB)       Lebanon       M       FC       VH       4       B       24.6       52.9       63.1       15.2       90.2       64.6         242=       Universidad de Navarra       Spain       M       FC       VH       4       B       31       75.1       44.1       25.8       21.6       68.1         227       University of Sussex       United Kingdom       L       FC       HI       4       A       28.7       11       29.3       51.2       96.9       95.6         271       Chulalongkorn University       Thailand       XL       FC       HI       5<

#### WHERE DOES EACH LOCATION'S TOP INSTITUTION RANK THIS YEAR?



The map indicates a North-South divide, with North American, European and Asian institutions dominanting the top 100. Australia and, to a lesser extent, New Zealand and Argentina are exceptions to this rule.

#### NUMBER OF LOCATIONS FEATURED IN EACH RANK RANGE







# **CAIRO UNIVERSITY** (Founded in 1908)

# **EGYPT'S PREMIER PUBLIC UNIVERSITY**

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- 12,000 Faculty Members
- 8.000 TAs & RAs
- 24,000 Admin Staff

# **CAIRO UNIVERSITY OFFERS**

- World Class Higher Education
- State of Art Research
- Effective Community Services

#### RANKED AMONG TOP WORLD UNIVERSITIES

# THREE NOBLE PRIZE LAUREATES ARE PROMINENT ALUMNI

# SEVERAL GRADUATES RECEIVED PRESTIGIOUS NATIONAL & INTERNATIONAL AWARDS

# 25 FACULTIES & INSTITUTES COVERING VARIOUS ACADEMIC DISCIPLINES

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- · Shenzhen MSU-BIT University (China)



Research Library



**Botanical** Garden



Medical Research Center and University Hospital

#### **MSU MAIN CAMPUSES**



140 000 m<sup>2</sup>





640 000 m<sup>2</sup>



1000 000 m<sup>2</sup>



research institutes



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- mthe newest Faculty of Cosmic Reseach



6 satellites

flight altitude of MSU satellite Mikhailo

150 km higher than the International Space Station

Lomonosov -

3 astronomical observatories



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AND RESEARCH CENTRES

in 84 countries on 5 continents 42 000

students

including 9500 international students

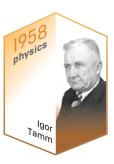


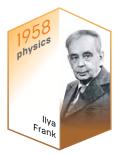
petascale supercomputers

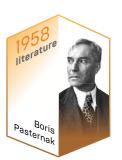


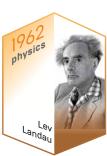
# Nobel Laureates who studied or worked at Lomonosov

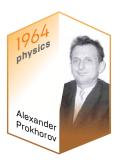












# **State University**



- www.msu.ru
- 1 Leninskie Gory, Moscow, Russia

## **RANKINGS**

# Top 50 in the world in six subjects\*

- m Natural Sciences
- Computer ScienceInformation Systems
- m Mathematics
- m Physics & Astronomy
- m Linguistics
- m Modern Languages
- \* QS World University Rankings by Subject, 2019



# Six museums

- m Earth Sciences
- m Minerals and Fossils
- m Antropology
- m Zoology
- m History of MSU
- m Art Gallery

Two Preparatory High Schools

m Kolmogorov School

m University High School

Science Park

# **Vorobyovy Gory Technological Valley (Megacluster Project)**

- Biomedical cluster with in vivo research centre, drug testing laboratories, and living systems depository
- Nanotechnology and novel materials cluster with cleanrooms and nano-machine laboratories
- Information technology, mathematical modelling, and high-performance calculation cluster
- Robotics, machine engineering, energy efficiency, and storage cluster
- Space exploration cluster, including operational space monitoring and asteroid threat assessment centre
- Earth sciences and environmental projects cluster
- Interdisciplinary humanities and cognitive science cluster



MILLION SQUARE METRES

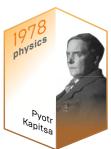
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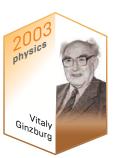
**CALCULATIONS** per second performed by the Lomonosov-2 supercomputer. Its processing capacity is equivalent to about 10 000 regular notebook computers.

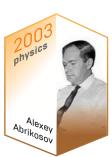
# Moscow State University











41972

#### ARTICLES

published in scientific journals by MSU researchers in the last 10 years. This is more than 10% of Russia's total scientific publication output.







# Shaping the future together

UCSI University stands for quality education. We promote social entrepreneurship. We empower tomorrow's seed planters. This is why we are the first and only private university in Malaysia to be recognised as a Regional Centre of Expertise (RCE) by the United Nations University. Ultimately, we believe that education can be a force for good. And we champion the UN's Sustainable Development Goals because the future is so much better when it's shared.



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- 10,000+ students
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	2020 Rank	2019 Rank	Institution	Location	Size	Focus	Res.	Age	Status	Academic reputation	Employer reputation	Faculty student	Citations per faculty	International faculty	International students	
ı	251=	257=	National Taiwan University of Science and Tech-	Taiwan	М	FO	VH	3	Α	24.4	30.6	64.2	43.6	24.3	36.7	3
	251=	239=	nology Université Libre de Bruxelles (ULB)	Belgium	L	FC	VH	5	Α	33.8	58.6	11	38	71.3	95.5	3
	253=	237=	Tufts University	United States	M	FC	VH	5	В	20.2	9.8	78.9	45.7	29.4	38.5	3
	253=	275=	Universidad Nacional de Colombia	Colombia	XL	FC	HI	5	Α	61.5	89.7	11.1	5.3	8.3	1.3	3
	253=		University of Paris	France	XL			1		48.5	7.6	33.5	46.1	19.1	7.5	3
	256	269=	University of Gothenburg	Sweden	L	FC	VH	5	Α	37.7	12.2	57.1	32	43.7	17.6	3
	257=	247	Technion - Israel Institute of Technology	Israel	L	FC	VH	5	Α	28.4	34.7	24.6	69.5	64	3.8	3
	257=	257=	Wuhan University	China	XL	FC	VH	5	Α	38	51.3	21.7	46.5	50.7	10.7	3
	259	260=	National University of Ireland, Galway (NUIG)	Ireland	L	FC	HI	5	Α	22.4	24.4	73.7	16.1	90.9	61.1	3
	260	253=	Technische Universität Darmstadt	Germany	L	FO	VH	5	Α	20	71.1	6.5	72.9	51.9	65	3
	261	277=	Hong Kong Baptist University (HKBU)	Hong Kong	М	FC	VH	3	Α	18.6	15.4	41.5	49.8	99.9	90.4	3
	262=	283=	Rutgers - The State University of New Jersey, New Brunswick	United States	XL	СО	VH	5	Α	39.4	32	49.3	23.3	27.1	36.6	3
	262=	239=	Université Paris-Sud 11	France	L	СО	VH	5	Α	27.1	13	80.4	21.3	42.9	40.3	3
	262=	246	University of Arizona	United States	XL	FC	VH	5	Α	41.9	20.1	37.6	41.9	21.7	17.5	3
	265	291	Tongji University	China	XL	FC	VH	5	Α	32.2	9.6	26.2	58.4	89.1	27.9	3
	266=	279=	Universität Innsbruck	Austria	L	FC	HI	5	Α	20.4	19.9	66.1	16	98.4	99.3	3
	266=	274	University of Waikato	New Zealand	М	CO	VH	4	Α	19.7	17.8	14.9	75.3	97.8	78.3	3
	268=	315=	Khalifa University	United Arab Emirates	S	SP	VH	2	Α	9.3	9.7	77.3	42.2	100	55.6	3
	268=	277=	Tomsk State University	Russia	М	CO	VH	5	Α	20.5	17.3	99.8	4.5	23.4	88.9	117
	270	260=	University of Tsukuba	Japan	L	FC	VH	3	Α	35	13.1	70.3	22.3	16	30.4	1
	271=	309	Deakin University	Australia	XL	FC	VH	3	Α	30.1	44.2	6.4	47.6	97.1	77	13
	271=	264=	Indian Institute of Technology Madras (IITM)	India	М	CO	VH	4	Α	35.3	47.3	28	56.4	3.4	1.6	3
	271=	242=	University of Miami	United States	L	FC	VH	4	В	22.2	23.8	62.7	49.2	7.6	39.4	3
	274=	264=	University of South Australia (UniSA)	Australia	L	СО	VH	3	Α	25.1	19.9	27.5	51.9	100	58.2	3
	274=	248	University of Surrey	United Kingdom	L	СО	VH	4	Α	22.5	29.3	25.4	45.3	96.6	97	3
	276	332=	Qatar University	Qatar	М	FC	VH	3	Α	16.9	28.3	66.4	14.3	100	98.3	3
	277=	292=	Beijing Normal University	China	L	СО	VH	5	Α	39	12.3	31.2	48.6	23.6	31.4	3
	277=	285=	Harbin Institute of Technology	China	XL	FO	VH	4	Α .	21.8	7.3	52.6	72.9	10.8	10	3
	279	260=	Universität Stuttgart	Germany	L	CO	VH	5	A	26	55	8.2	65.9	34.2	61.2	17
	280	279=	Dalhousie University	Canada	L	FC	VH	5	A	19.1	19.1	23.7	61.8	100	73.4	3
	281= 281=	295=	Indian Institute of Technology Kharagpur (IITKGP) King Saud University (KSU)	India Saudi Arabia	M	FO	VH	4	A	26.6	41.1	21.6	78.4	5.3	1 11.3	1
	281=	256 289=	University of Ottawa	Canada	XL XL	FC FC	VH	4 5	A A	28.3	16.8 37.2	69 7.6	15.9	91.5 91.3		
	284	299=	Bauman Moscow State Technical University	Russia	L	CO	HI	5	A	21	53.4	100	62 1.2	8.5	56.7 12.4	13
	285=	279=	North Carolina State University	United States	XL	СО	VH	5	A	32	19.7	30.3	47.8	60.7	29.1	
	285=	298	Universitat Pompeu Fabra	Spain	M	СО	VH	3	Α	31.6	30.9	17.3	55.6	66.3	25.8	
	287=	332=	Massey University	New Zealand	М	СО	VH	4	Α	29.1	30.7	24.3	27.7	98.6	94.8	3
	287=	292=	National Yang Ming University	Taiwan	S	FC	VH	3	Α	14.4	16.9	99.9	33.2	5.8	7.8	3
	287=	295=	Sun Yat-sen University	China	XL	FC	VH	4	Α	35.3	33.2	49.7	32.2	11.4	7.6	3
	287=	285=	University of Turku	Finland	L	FC	VH	4	Α	26.1	41.4	60	32.9	27.2	5.7	3
	291=	317=	Charles University	Czech Republic	XL	FC	VH	5	Α	41.6	37.5	43.2	11.7	19.4	46.6	3
	291=	283=	Indian Institute of Technology Kanpur (IITK)	India	М	СО	VH	4	Α	29.9	32.4	14.1	82.3	1.9	1.3	3
	291=	236	Royal Holloway University of London	United Kingdom	М	СО	VH	5	Α	18.6	12.4	26.8	55	98	95.2	3
	291=	279=	Universität Frankfurt am Main	Germany	XL	FC	VH	5	Α	49.9	36.8	23.7	19	15.8	33.5	3
	291=	287	University of Tasmania	Australia	L	СО	VH	5	Α	21	10.1	21.1	58.6	90.8	96.2	3
	296=	292=	University of Indonesia	Indonesia	XL	FC	HI	5	Α	39.5	47.3	43.4	1.9	94.5	5	3
	296=	268	University of Strathclyde	United Kingdom	L	СО	VH	4	Α	26.1	47.5	26.4	28.2	94	75.4	13
	298=	253=	Universidad Carlos III de Madrid	Spain	L	FO	VH	3	Α	30.5	51.5	60.7	9.7	36.5	25.2	17
	298=	323=	Universiti Brunei Darussalam (UBD)	Brunei	S	СО	VH	3	Α	13.4	6.2	94.9	6.2	100	66.2	3
7	300	275=	Universitat Politècnica de Catalunya	Spain	L	CO	VH	3	Α	34.7	35.2	53.1	22.1	10.4	28.8	3



A university of excellence for integral, social and territorial development

Founded in 1803, Universidad de Antioquia is Colombia's oldest public university. Currently home to more than 41,000 students, it is the country's second largest higher education institution, with several campuses in the state of Antioquia.

Research	<b>272</b> research groups, <b>40</b> % of them classified in the highest level of the Administrative Department of Science, Technology and Innovation (Colciencias) in Colombia.
Teaching	Universidad de Antioquia develops and spreads knowledge in the fields of humanities, science, arts, philosophy, engineering and technology, with high quality accreditation.
Outreach	Universidad de Antioquia aims to transform the territories through scientific, technological and cultural transfer of knowledge.
Innovation	Leader in innovation and entrepreneurship with a successful model of business and social relationship.

## Contact

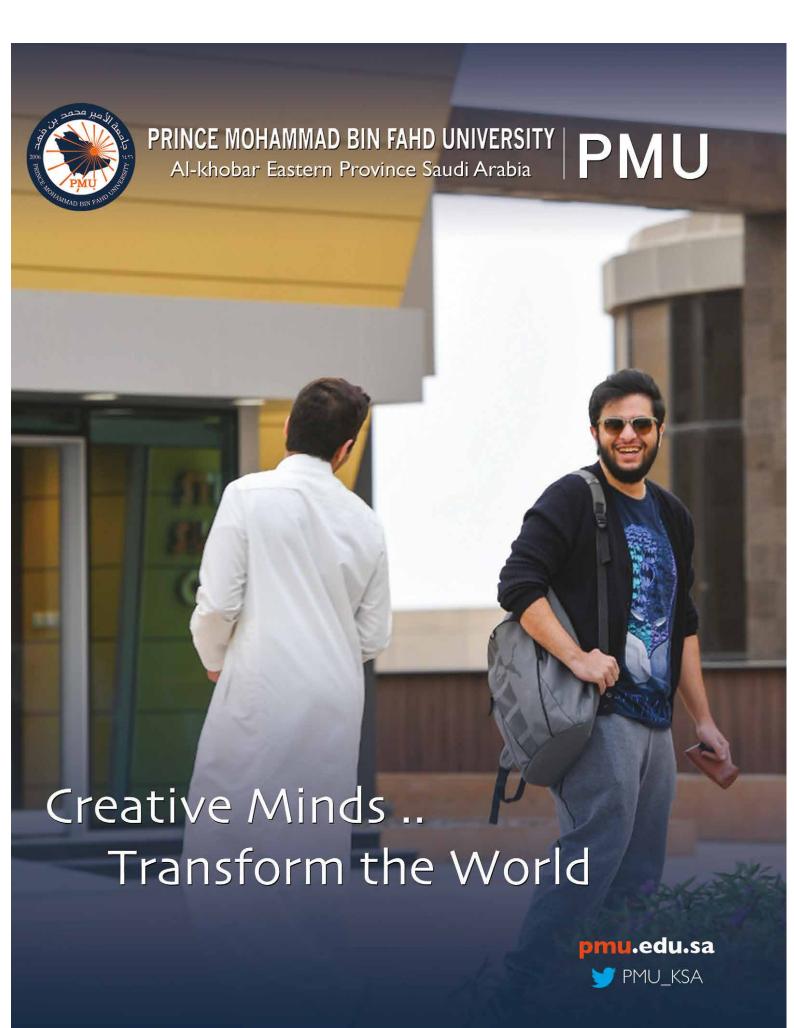








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										Academic reputation	Employer reputation		per faculty	International faculty	International students	
										epul	eput	student	er fa	al fa	al st	
	ank	Rank								nic r	err	stuc	s pe	tion	tion	
	2020 Rank	0			4)	Sn		<i>a</i> .	tus	den	ploy	Faculty	Citations	erna	erna	Overall
	202	201	Institution	Location	Size	Focus	Res.	Age	Status	Aca	Em	Fac	Cita	Inte	Inte	OVe
<b>1</b>	301	321=	University of Tartu	Estonia	М	FC	VH	5	Α	23.7	21.9	82.7	17.8	27.2	23.3	34.4
<b>1</b>	302=	312	Moscow Institute of Physics and Technology State	Russia	М	FO	VH	4	Α	14.9	27.8	97.9	11.4	32.7	39.3	34.3
<b>1</b>			University													
4	302= 302=	325 272=	Università degli Studi di Milano University of Dundee	Italy United Kingdom	XL L	FC FC	VH	4	A A	48.4 19.1	23.3	10.7 67.2	46.8 24.2	10.8 86.5	8.3 58.3	34.3 34.3
<b>V</b>	305=	299=	Université Paris 1 Panthéon-Sorbonne	France	XL	FO	HI	5	Α	58.3	48.2	5.5	3.6	21	61.2	34.2
4	305=	259	University of Massachusetts, Amherst	United States	L	СО	VH	5	Α	42.1	16.6	18.1	51.3	16.2	18	34.2
<b>1</b>	307	313=	Xi'an Jiaotong University	China	XL	FC	VH	5	Α	24.8	28.4	43.8	54	20.9	11.6	34.1
<b>4</b>	308	306=	Universität Köln	Germany	XL	FC	VH	5	Α	38.2	42.9	28.6	20.4	53.2	37.7	34
•	309	288	SOAS - School of Oriental and African Studies, University of London	United Kingdom	S	SP	VH	5	Α	22.6	11.8	47.5	20.3	100	100	33.9
1	310	338=	University College Cork (UCC)	Ireland	1	FC	VH	5	Α	28.8	30	36.1	24.1	93	46.8	33.7
<b>1</b>	311	363=	Technische Universität Graz	Austria	M	FO	VH	3	, ,	12.8	11.2	88.4	17.4	67.1	54.5	33.6
4	312=	305	ENS Paris-Saclay	France	S	СО	VH	5	Α	15.1	8.6	91.4	25.9	29.1	31.8	33.5
1	312=	323=	Indiana University Bloomington	United States	XL	FC	VH	5	Α	40.7	24.5	30.5	25.4	45.3	24.6	33.5
<b>4</b>	314=	302=	Heriot-Watt University	United Kingdom	М	CO	VH	4	Α	15.3	31.5	28.3	43	99.5	95.3	33.4
1	314=	380	Mahidol University	Thailand	L	FC	VH	4	Α	38.9	33.2	61.4	6.7	8.9	5.9	33.4
<b>4</b>	314=	264=	Simon Fraser University	Canada	L	CO	VH	4	Α	23.7	23	6.4	55.5	91.7	91.5	33.4
1	314=	338=	Universität Mannheim	Germany	М	FO	VH	5	Α	18	63.6	6.7	76.2	35.2	27.8	33.4
Λ Λ	314=	269=	University of East Anglia (UEA)	United Kingdom	L	FC	HI	4	Α .	19.2	8.8	37.8	47.9	81.2	71.1	33.4
<b>*</b>	319	299=	Universität Erlangen-Nürnberg	Germany	XL	FC	VH	5	A	22.3	19.3	3.4	95.3	27.1	25.4	33.3
<u>'</u>	320= 320=	329= 391=	Griffith University Universitas Gadjah Mada	Australia Indonesia	XL XL	FC FC	VH MD	3	A A	27.3 41.3	36.7	13.2 51.3	51.2 1.6	98.9 42.9	41.1 2.5	33.2 33.2
<b>4</b>			Gwangju Institute of Science and Technology													
V	322=	315=	(GIST)	South Korea	S	FO	VH	3	Α	11	3.9	36.8	100	10.1	7.2	33.1
1	322=	343=	National Research University - Higher School of Economics (HSE)	Russia	XL	FO	VH	3	Α	22.6	33	94.8	2.1	9.6	16.7	33.1
<b>1</b>	324=	343=	Aalborg University	Denmark	L	FC	VH	3	Α	17.5	32.5	44.7	43.5	69.8	30.8	33
$\mathbf{\Psi}$	324=	302=	Linköping University	Sweden	L	CO	VH	4	Α	19.7	24.9	40.3	51.5	65.9	17.8	33
4	326	302=	University of Hawaii at Mā□noa	United States	L	FC	VH	5	Α	16.6	9.3	59	46.9	61.4	20	32.9
1	327	338=	Virginia Polytechnic Institute (Virginia Tech)	United States	XL	FC	VH	5	Α	29.5	36.9	29.9	37.4	43.8	29.3	32.7
4	328	306=	Birkbeck College, University of London	United Kingdom	М	FO	VH	5	Α	14.4	5.3	22.8	60	96.1	96.9	32.6
$\leftrightarrow$	329=	329=	National Research Nuclear University "MEPhI" (Moscow Engineering Physics Institute)	Russia	M	FO	VH	4	Α	9.8	14.7	97.6	6.7	46.2	74.1	32.4
<b>1</b>	329=	350	United Arab Emirates University	United Arab	М	FC	HI	3	Α	20.4	27.2	58.1	11.8	100	48.4	32.4
·			·	Emirates												
<b>4</b>	331= 331=	359= 319=	Bandung Institute of Technology (ITB)	Indonesia	L	CO FC	VH	4	A	39.3	39.8	51.3	3.7	29.2 10.5	1.6 36.9	32.3 32.3
Ţ	331=	308	Ewha Womans University  National Taiwan Normal University	South Korea Taiwan	M	CO	VH	5 4	B A	22.4	16.5 11.4	82.7 70.8	13.3	15.1	49	32.3
4	334	321=	Hiroshima University	Japan	L	FC	VH	4	Α	24.1	9.7	84.1	15.4	13.8	17.1	32.2
+	335		IE University	Spain	М	СО	LO		С	7.6	49.2	71.8	1.2	88.6	100	32.1
1	336=	345=	George Washington University	United States	L	FC	VH	5	В	27.6	26.1	36.9	31.9	37.5	53	32
<b>4</b>	336=	310=	Universidad Politecnica de Valencia	Spain	L	CO	VH	4	Α	22.8	17.7	80.8	18.3	5.8	18.8	32
1	338=	411	Jagiellonian University	Poland	XL	FC	HI	5	Α	33.8	39.5	59.3	6.5	4.8	17.6	31.9
1	338=	355=	University of Lisbon	Portugal	XL	FC	VH	5	Α	40.5	28.1	15.6	38.2	8	32.5	31.9
4	340=	338=	Umeå University	Sweden	L	FC	VH	4	Α	18.5	8.7	81.4	25.2	29.6	13.2	31.8
Α 4	340=	326=	Universität Jena	Germany	L	FC	VH	5	A	18.8	3.7	98	14	40.0	28.6	31.8
<b>4</b>	340= 340=	332= 313=	Universität Ulm University at Buffalo SUNY	Germany United States	M L	CO FC	VH	4 5	A A	7.8 19.1	7 12.5	82.9 9.1	37.2 70.4	48.8 86.2	28.2 52.2	31.8 31.8
<b>↓</b>	340=	313=	Northeastern University	United States United States	L	CO	VH	5	В	18.9	18.2	20.6	45.5	85.3	93.8	31.8
			Pontificia Universidad Católica Argentina Santa		_											
<b>1</b>	344=	369=	María de los Buenos Aires (UCA)	Argentina	L	FC	LO	4	В	17.7	44.3	95.3	1.1	2.9	13.2	31.7
4	346	336=	University of Jyväskylä	Finland	М	CO	VH	4	Α	17	5.9	87.2	22.1	39.3	5.9	31.6
<b>\</b>	347	329=	Westfälische Wilhelms-Universität Münster	Germany	XL	FC	VH	5	A	34.8	31.2	42.2	20	25.8	9.4	31.3
个	348 349=	387=	Politecnico di Torino	Italy	XL	FO CO	VH	5	A	32.6	51.5	3.2	53	3.9	30.1	31.2
<b>1</b>	349= 349=	351 394=	City, University of London University of Warsaw	United Kingdom Poland	L XL	co	VH	5 5	A A	15.5 40.3	19.5 47.1	11.2 38.7	54.2 6.8	95.7 9.2	98.7 12	31.1
				2.2	,,_	23				.0.5		50.7	5.5	J.2		



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		20	20	Institution	Location	Siz	2	Re	Ag	Sta	Ac	Ε'n	Fa	ĊĖ	Int	In	8
	<b>1</b>	351=	35/	Relarus State University	Rolarus		ΕO	НΤ	1	Δ	18	32.4	9/1 2	1 7	5.5	20.6	31
March   Marc				,					7								
335																	
## 3555 31- University of Chemistry and Technology, Prayue		353=	328	University of Porto	Portugal	L	FC	VH	5	Α	37	24.2	16.1	47.4	5.5	12.7	30.9
1966   317-   University of the Philippines   New Zealand   1970   197	4	353=	345=	University of Utah	United States	L	FC	VH	5	Α	16.9	8.1	61.9	45	25.3	12.1	30.9
A 556         364e         University of the Philippines         Philippines         XL         EC         MD         S         A         42,2         39,5         62,2         1,1         8,1         5,2         3,1         1,3         1,5         1,1         4,4         4,4         1,1         1,6         1,1	+	355		University of Chemistry and Technology, Prague	Czech Republic	S	FO	VH	5	Α	6.5	5.8	97.8	18.2	24.5	62.1	30.8
★         3650- 3840         3844 bit University of the PMilippines         PMILIPPINES         XI.         Ke         VM         5.0         A.         A.3.2         30.5         C. 2.         1.1.5         7.9         2.9           ★         3099         332-b         Brune University         United Kingdom         L.         C.         VM         4.         A.         1.1.5         1.5.         5.0         7.0         2.0           ★         3099-302-bit Move Signation of Miles (Miles)         United Kingdom         L.         C.         VM         4.         A.         1.1.2         5.0         2.0         2.0         2.0         2.0         1.0         1.2         3.0         3.0         2.0         2.0         1.0         1.2         3.0         3.0         2.0         2.0         1.0         2.0	$\mathbf{\Psi}$	356=	317=	Lincoln University	New Zealand	S	CO	VH	5	Α	8.7	10	44	37.9	95.9	98.8	30.7
338   351    Universidade Federal do Rio de Janeiro   Brazil   XL   RC   VH   4   A   53,8   19,6   213   11,5   7   2   20,8	<b>4</b>			·													
March   1332   Mure University of Science and Technology   Norway   XI   K   V   V   V   V   V   V   V   V   V				* **													
Solid   Solid   Solid   Norwegian University of Science and Technology   Norway				Universidade Federal do Rio de Janeiro		XL	FC	VH	4	А	53.8		21.3				
March   Mar	Ψ.	359=	332=	Brunel University	United Kingdom	L	CO	VH	4	Α	11.6	14.6	15.4	56.6	99.3	97.7	30.5
359	<b>1</b>	359=	363=	Norwegian University of Science and Technology	Norway	XL	FC	VH	5	Α	30.2	26.3	30.9	26.9	70	12.8	30.5
→         310- 30- 30- 30- 30- 30- 4 (2.0 m)         Version University         United States         M         FC         VIA         5         B         2.6         3.3         9.3         42.9         11.6         30.5         43.9         42.9         11.6         30.5         30.6         30.5         10.0         VIA         A         A         12.7         50.6         43.1         31.6         40.7         50.9         2.1         15.7         34.7         34.7         34.8         34.9         31.0         30.0         30.0         Moscow State Institute of International Relations- Microw	Ψ.	359=	349	Stony Brook University	United States	L	FC	VH	4	Α	20.9	9.6	35.3	39.7	42.9	79.1	30.5
March   Mar	4	359=	352=	Tokyo Medical and Dental University	lapan	S	FO	VH	4	Α	11.2	5	100	21.8	3.6	16.7	30.5
→ 364s         359-         University of Victoria         Canada         L         CO         VH         4         A         16         10.7         5.9         72.2         92.4         51.1         30.4           → 364-1         412         Ural Federal University         Russia         L         CO         VH         4         A         10.7         11.6         94         21.1         15.7         34.7         30.4           → 367         355-         Moscow Sack Entstutuse of International Relations - Russia         M         SP         MD         4         A         9.9         25.7         99.9         1.1         15.6         5.4.7         30.3           → 368-         338-         Jana Markal University of California, Sama Cruz (UCSO)         United Kingdom         L         CO         VH         4         A         20.3         10.4         22.5         86.7         99.7         99.7         99.7         99.7         99.7         99.7         99.7         99.7         99.7         99.7         48.7         30.8         30.8         33.8         33.8         33.8         33.8         33.8         33.2         33.2         33.8         33.2         33.2         33.8         33.2	J.			·													
♣ 364=         412°-         Ural Federal University         Russia         L         CO         VH         4         A         177         14.6         94         2.1         15.7         94.7         30.3           ♣ 366         355         Moscow State Institute of International Relations - Microbial Control (International Action Control)         Russia         M         5°         MO         4         A         9.9         25.7         9.9         1.1         15.6         \$4.7         30.3           ♣ 368         335         University of Kint         United Kingdom         L         CO         VH         4         A         10.3         10.2         26.9         82.9 <th></th> <th></th> <th></th> <th>·</th> <th></th> <th>IVI</th> <th></th>				·		IVI											
→         366         355-         Microson State Frientified of International Relations - Bussia         M. SP. MD.         4         A         9,9         25,7         98,9         1,1         15,6         54,7         30,0         336-         University of California, Santa Cruz (UCSC)         United States         L. CO.         VH.         4         A         19,8         7,9         11,9         92,2         44,8         18,7         20,2           ♣ 388- 355- Will Mount of States         University of States         United Kingdom         L. CO.         HI.         4         A         19,3         9,12,2         24,5         28,2         30,7         9,7         9,7         9,7         9,2         22,7         23,7         37,7         37,7         37,7         37,7         37,7         4         4         A         19,3         9,9         12,1         19,0         9,9         9,0         2,1         19,0         9,0         2,2         30,0         8,2         2,2         2,2         3,0         3,0         3,0         3,0         9,0         1,0         10,0         9,0         1,0         10,0         9,0         1,0         10,0         9,0         1,0         2,0         2,0         1,0         2,0		364=	359=	University of Victoria	Canada	L	CO	VH	4	Α	16	10.7	5.9	72.2	92.4	51.1	30.4
3325   Michael University   California, Santa Cruz (USC)   United States   L   CC   VH   4   A   93   25.7   93   1.1   70   22   4.8   8.13   30.2   30.9   8   28.8     386= 338= Nankal University   Chile China   United States   L   CC   VH   5   A   22.3   5.4   28.4   63.2   30.9   8   28.8     386= 338= Nankal University   Chinael Chinael   L   CC   VH   4   A   20.3   10.4   22.6   36.7   30.9   8   28.8     385= University of Sexex   United Kingdom   L   CC   VH   4   A   20.3   10.4   22.6   36.7   30.9   22.7   24.5   28.7     371   376= American University of Sharjah   United Arab   Emirates   S   CC   HI   4   A   19.3   9   13.2   41.9   97.7   99.4   29.8     372= 367= University of Santaea   United States   L   FC   VH   5   A   15.3   15.6   82.5   18.5   14.7   14.1   24.4     372= 376= University of Santaea   United States   L   FC   VH   5   A   15.3   15.6   82.5   18.5   14.7   14.1   24.4     373   376= University of Column   Findand   M   FC   VH   4   A   10.2   24.8   44.7   43.1   92.2   23.8     375   376= University of Column   Findand   M   FC   VH   4   A   10.2   24.8   44.7   43.1   92.2   23.8     376   363= Oxford Strokes University   United Kingdom   L   CC   HI   3   A   26.7   57.8   56.8   65.4   27.5   29.1     377= 378= University   Commercity   United Kingdom   L   CC   HI   3   A   15.9   92.   15   68.8   65.4   27.5   29.1     379= 346	1	364=	412=	Ural Federal University	Russia	L	CO	VH	4	Α	17.7	14.6	94	2.1	15.7	34.7	30.4
MGMMC University   California, Santa Cruz (UCSC)	4	366	355=		Russia	М	SP	MD	4	Α	9.9	25.7	99.9	1.1	15.6	54.7	30.3
→ 368=         338=         Nankai University         China         L         FC         VH         5         A         22.3         5.4         22.4         63.2         30.9         8         28.8           → 368=         355=         University of Essex         United Kingdom         L         CO         VH         4         A         20.3         10.4         22.6         36.7         98.2         74.2         28.8           → 371         355=         University of Essex         United Mrab         L         CO         VH         4         A         10.3         13.1         30.2         13.4         10.9         90.7         90.2         29.7           → 372-         367-         University of Subtern Denmark         Denmark         L         FC         VH         4         A         19.3         18.4         39.9         12.2         73.6         33.7           → 376-         University of Coultern Denmark         Denmark         L         FC         VH         4         A         19.3         18.4         39.9         12.2         23.2           → 377-         378-         378-         A         Collaboration Intention of Endocal Subtervisity         United Kingdom		500	555	MGIMO University	rassia		٥.		·	, ,	3.3	25.7	33.3		1510	5	30.3
→         368=         355=         University of Kent         United Kingdom         L         CO         VH         4         A         203         10.4         22.6         36.7         98.2         74.5         22.8           →         370         355=         University of Stargh         United Kingdom         L         CO         HI         4         A         19.3         91.32         41.9         99.7         94.2         22.7           →         377-3         367-5         University of Stargh         Limited Startes         L         FC         VH         4         A         19.3         18.1         33.1         31.0         13.1         10.0         100.0         20.6           →         372-3         367-5         University of Southern Denmark         Denmark         L         FO         VH         4         A         16.2         12.2         45.4         43.7         43.1         22.2         43.6         33.2         20.7         43.7         37.7         37.7         37.7         37.7         37.7         37.7         37.7         37.7         37.2         37.2         43.7         37.2         43.7         37.2         43.7         37.2         43.7<	₩	367	336=	University of California, Santa Cruz (UCSC)	United States	L	CO	VH	4	Α	19.8	7.9	11.9	79.2	44.8	18.7	30.2
→         370         355=         University of Essex         United Kingdom         L         CO         HI         4         A         19.3         9         12.2         41.9         97.7         99.4         29.7           ↑         371         376-         American University of Sharjah         Unified States         L         FC         VH         5         A         15.3         15.6         82.5         18.5         18.2         18.1         20.2         23.6         23.7         23.7         376-         University of Southern Denmark         University of Outla         Enhand         M         FC         VH         4         A         15.2         82.2         18.5         18.3         29.2         23.6         33.2         29.2         23.6         33.2         29.2         23.6         33.2         29.2         23.7         33.7         33.7         23.7	4	368=	338=	Nankai University	China	L	FC	VH	5	Α	22.3	5.4	28.4	63.2	30.9	8	29.8
→         370         355-         University of Essex         United Kingdom         L         CO         HI         4         A         19.3         9         13.2         41.9         99.7         99.4         20.2           ↑         371         376-         American University of Kansas         University of Southern Denmark         University of Oulu         Palkistan         S         FC         VH         4         A         16.2         21.2         23.6         13.2         29.3         23.7         23.7         23.7         37.7         37.7         37.7         37.7         37.7         37.7         37.7         36.3         20.7         Chine States         L         CO         HI         3         A         2.6         9.6         6.6.1         94.7         72.1         29.1           ✔         37.7         36.9         James Cook University         United Kingdom         L         CO         HI         3         A         2.6         95.8         65.1         94.7         72.1         29.1           ✔         37.7	Ψ.	368=	355=	University of Kent	United Kingdom	L	СО	VH	4	Α	20.3	10.4	22.6	36.7	98.2	74.5	29.8
↑         371         376-         American University of Sharjah         United States brindles         S         FC         HI         2         8         18.3         35.1         30.2         13.4         100         100         29.6           ↓         372-2         367-9         University of Southern Denmark         Denmark         L         FC         VH         4         A         15.3         15.6         82.5         18.5         14.7         14.1         29.4           ↑         377-8         376-9         University of Oulu         Finland         M         FC         VH         4         A         16.2         21.2         45.4         40.6         64.4         22.2         25.6         33.3         20.4           ↑         375         397-8         Pakistan Institute of Engineering and Applied Sciences (PIRAS)         Pakistan         S         FO         VH         2         A         4.6         66.4         4.7         22.1         29.1           3 75         397-8         Pakistan Institute of Engineering and Applied Sciences (PIRAS)         United States         L         FC         HI         3         A         15.9         9.6         61.0         9.7         72.1         29	4	370	355=	•	_	1	CO	нт	4	Δ							
371   376   Affection University of Santase   United States   L   FC   VH   5   A   15.3   15.6   82.5   18.5   14.7   14.1   29.4		370	333	Offiversity of Essex	_	-	-	111	7	,,	15.5	,	13.2	41.5	33.7	33.4	23.7
→ 372-         367-         University of Kansas         United States         L. FC         VH         5         A         15.3         15.6         82.5         18.5         14.7         14.1         29.4           ↑ 372-8         376-8         University of Southern Denmark         Denmark         L. FO         VH         4         A         19.3         18.4         39.9         32.2         73.6         33.2         29.4           ↑ 375-3         376-8         University of Ord         Pakistan Institute of Engineering and Applied         Pakistan         5         FO         VH         4         A         16.2         21.2         45.4         43.7         15.5         13.9         61.7         72.1         29.2         23.7           ♣ 377-3         369-3         James Cook University (CU)         Australia         L. FC         HI         3         A         15.5         18.9         65.1         94         77.9         29           ♣ 377-4         450-8         James Cook University (CU)         Australia         L. FC         VH         5         A         15.5         18.9         65.1         77.9         29           ♣ 379-8         352-9         James Agental Cook (Value)         Aust	1	371	376=	American University of Sharjah		S	FC	HI	2	В	18.3	35.1	30.2	13.4	100	100	29.6
↑ 372- 376- University of Southern Denmark Denmark L FO VH 4 A A 19.3 18.4 39.9 32.2 73.6 33 29.4 ↑ 374 376- University of Oulu Finland M FC VH 4 A A 16.2 21.2 45 44.7 43.1 9.2 29.3 ↑ 379- 379- Sciences (FIEAS) Pakistan Institute of Engineering and Applied Pakistan S FO VH 2 A 5.4 4.6 96.4 36.2 □ 29.3 ↑ 376- 376- 378- Oxford Brookes University United Kingdom L CO HI 3 A 26.7 57.8 15.5 13.9 61.7 72.1 29.1 ↑ 376- 379- 369- James Cook University United Kingdom L FC HI 3 A 26.7 57.8 15.5 13.9 61.7 72.1 29.1 ↑ 377- 373- University of Connecticut United States L FC VH 5 A 15.9 9.2 15 69.8 66.4 27.5 29.1 ↑ 379- 379- 379- 379- 379- 379- 379- 379-	4	372=	367=	University of Kansas	United States		FC	VH	5	Δ	15.3	15.6	82.5	18 5	1/1 7	1/1 1	29.4
↑ 376   University of Oulu   Finland   M   FC   VH   4   A   16.2   21.2   45   44.7   43.1   9.2   29.3   ↑ 375   397   Spakistan Institute of Engineering and Applied   Pakistan   S   FO   VH   2   A   5.4   4.6   96.4   36.2   V   29.2   ↓ 376   363   Oxford Brookes University   United Kingdom   L   CO   HI   3   A   26.7   57.8   15.5   13.9   61.7   72.1   29.1   ↓ 377   369   James Cook University (UU)   Australia   L   FC   HI   3   A   15   11.8   9.6   56.1   94   77.9   29.1   ↑ 377   373   University of Control   United States   L   FC   VH   5   A   15.9   92   15.6   69.8   65.4   27.5   29.1   ↑ 379   450   Sultan Qaboos University   Oman   M   FC   HI   3   A   12.1   14.8   74.5   11.2   100   7.6   28.3   ↑ 379   362   Talpei Medical University   Taiwan   M   FO   VH   4   B   9.6   12.3   87   21.6   22.1   18.8   28.9   ↑ 379   348   Universiti des Strasbourg   France   XL   FC   HI   3   A   44.3   6.7   8.2   24.4   39.5   42.7   28.9   ↑ 379   383   Universiti des Strasbourg   France   XL   FC   HI   3   A   44.3   6.7   8.2   24.4   39.5   42.7   28.9   ↑ 383   381   Universiti des Strasbourg   France   XL   FC   HI   3   A   44.3   6.7   8.2   24.4   39.5   42.7   28.9   ↑ 383   381   Universiti des Strasbourg   France   XL   FC   HI   3   A   12.1   14.8   74.5   11.2   100   7.6   28.3   ↑ 383   387   Swinburne University   France   XL   FC   HI   3   A   4.4   3.0   6.7   8.2   24.4   39.5   62.7   28.9   ↑ 383   387   Swinburne University   France   XL   FC   HI   3   A   12.1   13.8   30.2   61.1   38.8   31.8   ↑ 383   387   Swinburne University   France   XL   FC   HI   3   A   12.1   13.8   30.2   61.5   38.8   31.8   28.8   ↑ 383   387   Swinburne University   France   XL   FC   HI   3   A   12.1   13.8   30.2   61.5   38.8   33.8   38.1   ↑ 384   420   University defended with   All   All				•		_											
↑         375         397= Salistan Institute of Engineering and Applied Sciences (PIEAS)         Pakistan         S         FO         VH         2         A         5.4         4.6         86.4         36.2         Use Cances (PIEAS)         29.2           ↓         3776         363=         Oxford Brookes University (JCU)         Australia         L         CO         HI         3         A         26.7         57.8         15.5         13.9         61.7         72.1         29.1           ↓         3778-         369=         James Cook University (JCU)         Australia         L         FC         HI         3         A         15.9         15.6         68.6         27.7         29.2           ↓         379-         450-         Sultan Qaboos University         Oman         M         FC         HI         3         A         12.1         18.8         66.4         27.5         28.9           ↓         379-         450-         Sultan Qaboos University         Taiwan         M         FC         HI         3         A         12.1         10.0         76.2         28.9           ¾         379-         348-         Oxidea         5track Standard         35.0         10.2				•		L	FO		4								
376 3978 Sciences (PIEAS)	Т	374	376=	University of Oulu	Finland	М	FC	VH	4	Α	16.2	21.2	45	44.7	43.1	9.2	29.3
376   363   Oxford Brooks University   United Kingdom   L   CO   HI   3   A   26.7   57.8   15.5   13.9   61.7   72.1   2.9	<b>1</b>	375	397=		Pakistan	S	FO	VH	2	Α	5.4	4.6	96.4	36.2			29.2
→ 377°         369°         James Cook University (JCU)         Australia         L         FC         HI         3         A         15         11.8         9.6         56.1         94         77.9         29           → 377°         373°         University of Connecticut         United States         L         FC         VH         5         A         15.9         9.2         15         69.8         65.4         27.5         29           → 379°         450°         Sultan Qaboos University         Orman         M         FC         VH         3         A         12.1         14.8         74.5         12.2         10.7         28.9           → 379°         368         Université de Strasbourg         France         XL         FC         HI         3         A         19.6         12.3         87.2         22.1         18.8         28.9           → 379°         442         Université de Strasbourg         France         XL         FC         HI         3         A         9.6         85.3         5.5         99.2         16.9         28.9           → 383°         381°         Indian         M         FO         VH         5         A         13.7																	
1 372 373 University of Connecticut United States L FC VH 5 A 15,9 9.2 15 69,8 65.4 27.5 29  ↑ 379 450 Sultan Qaboos University Oman M FC HI 3 A 12.1 14.8 74.5 11.2 100 7.6 28.9  ↑ 379 362 Talpei Medical University Taiwan M FO VH 4 B 9.6 12.3 87 21.6 22.1 18.8 28.9  ↑ 379 348 Université de Strasbourg France XL FC HI 5 A 44.3 6.7 8.2 23.4 39.5 42.7 28.9  ↑ 379 442 Universiti Teknologi Brunel Brunel S FO HI 3 A 9.7 9.8 85.3 5.5 99.2 16.9 28.9  ↑ 383 381 Indian Institute of Technology Roorkee (IITR) India M FO VH 5 A 13.7 19.6 11.7 93.8 3 28.8  ↑ 383 385 387 Swinburne University Technology Australia L CO VH 5 B 10.1 8.5 30.2 66.1 38.2 51.9 28.8  ↑ 383 387 Swinburne University Technology Australia L CO VH 3 A 14.3 20.2 19.5 38 98.3 91.2 28.8  ↑ 383 420 Universidad de Palermo Argentina M FO VH 5 A 9 14.6 88.3 4.8 13.4 85 28.7  ↑ 387 373 Tornsk Polytechnic University Russia M FO VH 5 A 40.7 19.8 11.4 36.6 6.8 5.5 28.7  ↑ 389 426 Università degli Studi di Trento Italy L CO VH 4 A 2 25.3 11.7 16.2 60.7 30.6 6.7 28.6  ↑ 389 426 Università degli Studi di Trento Italy L FC VH 5 A 40.7 19.8 11.4 36.6 6.8 5.5 28.6  ↑ 389 422 Università degli Studi di Trento Norway L FC VH 5 A 40.7 19.8 11.4 36.6 6.8 5.5 28.6  ↑ 392 429 University Franco Norway L FC VH 5 A 40.7 19.8 11.4 36.6 6.8 5.5 28.6  ↑ 392 426 RUDN University Russia L FC VH 5 A 40.7 19.8 11.4 36.6 6.8 5.5 28.6  ↑ 392 466 RUDN University Russia L FC VH 5 A 8.7 8.7 100 15.9 5 12.3 28.5  ↑ 392 426 The American University Finland L FC VH 5 B 5.9 7.8 8.0 15.9 93.9 38.2 28.5  ↑ 393 375 University For Colorado at Denver United States L FC VH 5 B 5.9 7.8 8.0 15.9 93.9 38.2 28.5  ↑ 398 375 University For Colorado at Denver United States M FC VH 5 B 5.9 7.8 8.0 10.9 95.7 53.1 28.5  ↑ 398 376 Wake Forest University Linear Equipment University Finland L FC VH 4 A 19.2 22.4 17.3 68.1 12.7 93.9 3.8 28.4  ↑ 398 377 University For Stelence and Technology Pakistan M FC VH 4 A 19.8 22 23.4 17.3 68.1 12.7 6.6 28.2  ↑ 400 415 National University Science and Technology Pakistan M FC VH 4		376	363=	Oxford Brookes University	United Kingdom	L	CO	HI	3	Α	26.7	57.8	15.5	13.9	61.7	72.1	29.1
↑ 379=         450=         Sultan Qaboos University         Oman         M         FC         HI         3         A         12.1         14.8         74.5         11.2         100         7.6         28.9           ♣ 379=         362         Talpel Medical University         Taiwan         M         FO         VH         4         B         9.6         12.3         87         21.6         22.1         18.8         28.9           ♣ 379=         348         Universitie de Strasbourg         France         XL         FC         HI         5         A         44.3         6.7         8.2         23.4         39.5         42.7         28.9           ♣ 379=         442         Universitie de Strasbourg         France         XL         FC         HI         3         A         9.7         9.8         53.5         5.5         99.2         16.9         28.9           ♣ 383=         345=         Rensselaer Polytechnic Institute         United States         M         CO         VH         5         B         10.1         8.5         30.2         66.1         38.2         21.9         28.8           ♣ 383=         387=         Swinburne University of Technology         Australia<	₩	377=	369=	James Cook University (JCU)	Australia	L	FC	HI	3	Α	15	11.8	9.6	56.1	94	77.9	29
→         379=         362         Taipel Medical University         Taiwan         M         FO         VH         4         B         9.6         12.3         87         21.6         22.1         18.8         28.9           →         379=         348         Université de Strasbourg         France         XL         FC         HI         5         A         44.3         6.7         8.2         23.4         39.5         42.7         28.9           →         379=         442         Universiti Teknologi Brunel         Brunei         5         FO         HI         3         A         9.7         9.8         85.3         5.5         99.2         16.9         28.9           →         383=         381=         Indian Institute of Technology Roorkee (IITR)         India         M         FO         VH         5         A         13.7         19.6         61.17         93.8         2.8         28.8           →         383=         345=         Rensselaer Polytechnic Institute         United States         M         FO         VH         5         A         10.1         8.9         30.2         66.1         38.2         51.9         28.8           →         38	Ψ.	377=	373=	University of Connecticut	United States	L	FC	VH	5	Α	15.9	9.2	15	69.8	65.4	27.5	29
→         379=         348         Université de Strasbourg         France         XL         FC         HI         5         A         44.3         6.7         8.2         23.4         39.5         42.7         28.9           →         379=         442         Universiti Teknologi Brunei         Brunei         S         FO         HI         3         A         9.7         9.8         85.3         5.5         99.2         16.9         28.9           →         383=         345=         Rensselaer Polytechnic Institute         United States         M         CO         VH         5         B         10.1         8.5         30.2         66.1         38.2         3         28.8           →         383=         387=         Swinburne University of Technology         Australia         L         CO         VH         3         A         14.3         20.2         19.5         38.9         98.3         91.2         28.8           →         387=         420=         University of Technology         Australia         L         CO         VH         5         A         9.0         46.6         1.2         38.1         19.2         28.8           →         387= <th><b>小</b></th> <th>379=</th> <th>450=</th> <th>Sultan Qaboos University</th> <th>Oman</th> <th>M</th> <th>FC</th> <th>HI</th> <th>3</th> <th>Α</th> <th>12.1</th> <th>14.8</th> <th>74.5</th> <th>11.2</th> <th>100</th> <th>7.6</th> <th>28.9</th>	<b>小</b>	379=	450=	Sultan Qaboos University	Oman	M	FC	HI	3	Α	12.1	14.8	74.5	11.2	100	7.6	28.9
→         379=         348         Université de Strasbourg         France         XL         FC         HI         5         A         44.3         6.7         8.2         23.4         39.5         42.7         28.9           →         379=         442         Universiti Teknologi Brunei         Brunei         S         FO         HI         3         A         9.7         9.8         85.3         5.5         99.2         16.9         28.9           →         383=         345=         Rensselaer Polytechnic Institute         United States         M         CO         VH         5         B         10.1         8.5         30.2         66.1         38.2         3         28.8           →         383=         387=         Swinburne University of Technology         Australia         L         CO         VH         3         A         14.3         20.2         19.5         38.9         98.3         91.2         28.8           →         387=         420=         University of Technology         Australia         L         CO         VH         5         A         9.0         46.6         1.2         38.1         19.2         28.8           →         387= <th><math>\mathbf{\Psi}</math></th> <th>379=</th> <th>362</th> <th>Taipei Medical University</th> <th>Taiwan</th> <th>М</th> <th>FO</th> <th>VH</th> <th>4</th> <th>В</th> <th>9.6</th> <th>12.3</th> <th>87</th> <th>21.6</th> <th>22.1</th> <th>18.8</th> <th>28.9</th>	$\mathbf{\Psi}$	379=	362	Taipei Medical University	Taiwan	М	FO	VH	4	В	9.6	12.3	87	21.6	22.1	18.8	28.9
↑         379=         442         Universiti Teknologi Brunel         Brunel         S         FO         HI         3         A         9.7         9.8         85.3         5.5         99.2         16.9         28.9           ↓         383=         381=         Indian Institute of Technology Roorkee (IITR)         India         M         FO         VH         5         A         13.7         19.6         11.7         93.8         3         28.8           ↓         383=         345=         Rensselaer Polytechnic Institute         United States         M         CO         VH         5         B         10.1         8.5         30.2         66.1         38.2         51.9         28.8           ↑         383=         420=         Universidad de Palermo         Argentina         M         FO         VH         5         A         9         14.6         88.3         48.8         13.2         28.7           ↑         387=         443=         Universida de Plaermo         Argentina         M         FO         VH         5         A         9         14.6         88.3         48.8         13.2         28.8           387=         443=         Universid Macau																	
→         381= 381= 1 Indian Institute of Technology Roorkee (IITR)         India         M         FO         VH         5         A         13.7         19.6         11.7         93.8         3         28.8           →         383= 387= 387= Swinburne University of Technology         Australia         L         CO         VH         5         B         10.1         8.5         30.2         66.1         38.2         51.9         28.8           →         383= 387= 387= Swinburne University of Technology         Australia         L         CO         VH         3         A         14.3         20.2         19.5         38.9         98.3         91.2         28.8           →         383= 387= 387= Swinburne Universide de Palermo         Argentina         M         FO         VH         5         A         19.8         9.6         84.6         12.2         35.1         97.5         28.8           →         387= 373= Tomsk Polytechnic University         Russia         M         FO         VH         5         A         9.1         14.6         88.3         48.8         13.4         85.2         28.7           →         389= 426= Università dell'isau         181.2         18.2         18.2         18.2				-													
→         383=         345=         Rensselaer Polytechnic Institute         United States         M         CO         VH         5         B         10.1         8.5         30.2         66.1         38.2         51.9         28.8           ↑         383=         387=         Swinburne University of Technology         Australia         L         CO         VH         3         A         14.3         20.2         19.5         38         98.3         91.2         28.8           ↑         383=         420=         Universidad de Palermo         Argentina         M         FO         MD         3         B         9.8         9.6         84.6         1.2         35.1         97.5         28.8           ♦         387=         373=         Tomsk Polytechnic University         Russia         M         FO         VH         5         A         9         14.6         88.3         4.8         13.4         85         28.7           ↑         387=         443=         University of Macau         Macau         M         FO         VH         3         A         11.2         6.4         24.3         43.9         100         96.2         28.7           ↑			442	-		S	FO		3	А	9.7		85.3		99.2		
↑         383=         387=         Swinburne University of Technology         Australia         L         CO         VH         3         A         14.3         20.2         19.5         38         98.3         91.2         28.8           ↑         383=         420=         Universidad de Palermo         Argentina         M         FO         MD         3         B         9.8         9.6         84.6         1.2         35.1         97.5         28.8           ↓         387=         373=         Tomsk Polytechnic University         Russia         M         FO         VH         5         A         9         14.6         88.3         4.8         13.4         85         28.7           ↑         387=         443=         University of Macau         Macau         M         FO         VH         3         A         11.2         6.4         24.3         43.9         10.0         96.2         28.7           ↑         389=         426=         University of Macau         Macau         M         FO         VH         4         A         25.3         11.7         16.2         60.7         30.6         6.7         28.6           ↑         389=		383=	381=	Indian Institute of Technology Roorkee (IITR)	India	M	FO	VH	5	Α	13.7	19.6	11.7	93.8		3	28.8
↑       383=       420=       Universidad de Palermo       Argentina       M       FO       MD       3       B       9.8       9.6       84.6       1.2       35.1       97.5       28.8         ↓       387=       373=       Tomsk Polytechnic University       Russia       M       FO       VH       5       A       9       14.6       88.3       4.8       13.4       85       28.7         ↑       387=       443=       University of Macau       Macau       M       FO       VH       3       A       11.2       6.4       24.3       43.9       100       96.2       28.7         ↑       389=       426=       Università degli Studi di Trento       Italy       L       CO       VH       4       A       25.3       11.7       16.2       60.7       30.6       6.7       28.6         ↑       389=       422=       Università degli Studi di Trento       Italy       XL       FC       VH       5       A       40.7       19.8       11.4       36.6       6.8       5.5       28.6         ↑       389=       369=       University of Tromso       Norway       L       FC       VH       5       A <th>1</th> <th>383=</th> <th>345=</th> <th>Rensselaer Polytechnic Institute</th> <th>United States</th> <th>M</th> <th>CO</th> <th>VH</th> <th>5</th> <th>В</th> <th>10.1</th> <th>8.5</th> <th>30.2</th> <th>66.1</th> <th>38.2</th> <th>51.9</th> <th>28.8</th>	1	383=	345=	Rensselaer Polytechnic Institute	United States	M	CO	VH	5	В	10.1	8.5	30.2	66.1	38.2	51.9	28.8
	个	383=	387=	Swinburne University of Technology	Australia	L	CO	VH	3	Α	14.3	20.2	19.5	38	98.3	91.2	28.8
↓         387=         373=         Tomsk Polytechnic University         Russia         M         FO         VH         5         A         9         14.6         88.3         4.8         13.4         85         28.7           ↑         387=         443=         University of Macau         Macau         M         FO         VH         3         A         11.2         6.4         24.3         43.9         100         96.2         28.7           ↑         389=         426=         University degli Studi di Trento         Italy         XL         FC         VH         4         A         25.3         11.7         16.2         60.7         30.6         6.7         28.6           ↑         389=         422=         Università di Pisa         Italy         XL         FC         VH         5         A         40.7         19.8         11.4         36.6         6.8         5.5         28.6           ↑         389=         369=         University of Tromso         Norway         L         FC         HI         4         A         13.6         28.8         81.8         12.1         69.6         10.3         28.6           ↑         392=         4	<b>1</b>	383=	420=	Universidad de Palermo	Argentina	М	FO	MD	3	В	9.8	9.6	84.6	1.2	35.1	97.5	28.8
↑       387=       443=       University of Macau       Macau       M       FO       VH       3       A       11.2       6.4       24.3       43.9       100       96.2       28.7         ↑       389=       426=       Università degli Studi di Trento       Italy       XL       FC       VH       4       A       25.3       11.7       16.2       60.7       30.6       6.7       28.6         ↑       389=       422=       Università di Pisa       Italy       XL       FC       VH       5       A       40.7       19.8       11.4       36.6       6.8       5.5       28.6         ↓       389=       369=       University of Tromso       Norway       L       FC       HI       4       A       13.6       2.8       81.8       12.1       69.6       10.3       28.6         ↑       392=       439=       Kazan Federal University       Russia       L       FC       WH       5       A       18.2       8       8.2.3       3.5       9.7       53.1       28.5         ↑       392=       397=       University of Colorado at Denver       United States       L       FC       VH       5       A </th <th>4</th> <th></th> <th></th> <th></th> <th>_</th> <th></th>	4				_												
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↑       389=       422=       Università di Pisa       Italy       XL       FC       VH       5       A       40.7       19.8       11.4       36.6       6.8       5.5       28.6         ↓       389=       369=       University of Tromso       Norway       L       FC       HI       4       A       13.6       2.8       81.8       12.1       69.6       10.3       28.6         ↑       392=       439=       Kazan Federal University       Russia       L       FO       VH       5       A       18.2       8       82.3       3.5       9.7       53.1       28.5         ↑       392=       446=       RUDN University       Russia       L       FC       MD       4       A       10.7       19.1       83.5       1.5       10.7       93.7       28.5         ↑       392=       397=       University of Colorado at Denver       United States       L       FC       VH       5       A       8.7       10.0       15.9       5       12.3       28.5         ↓       395=       352=       Kobe University       Jane       Jane       Jane       Jane       Jane       Jane       Jane <t< th=""><th></th><th></th><th></th><th>·</th><th></th><th>IVI</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>				·		IVI											
→       389=       369=       University of Tromso       Norway       L       FC       HI       4       A       13.6       2.8       81.8       12.1       69.6       10.3       28.6         ↑       392=       439=       Kazan Federal University       Russia       L       FO       VH       5       A       18.2       8       82.3       3.5       9.7       53.1       28.5         ↑       392=       446=       RUDN University       Russia       L       FC       MD       4       A       10.7       19.1       83.5       1.5       10.7       93.7       28.5         ↑       392=       397=       University of Colorado at Denver       United States       L       FC       VH       5       A       8.7       100       15.9       5       12.3       28.5         ↓       395=       352=       Kobe University       Japan       L       FC       VH       4       A       24.6       27.4       58.3       15.4       10.2       9       28.4         ‡       395=       Tampere University       Finland       L       FC       VH       4       A       24.6       37.4       43.7		389=	426=	Università degli Studi di Trento	Italy	L	CO	VH	4	А	25.3	11./	16.2	60.7	30.6	6.7	28.6
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↑ 392= 446= RUDN University Russia L FC MD 4 A 10.7 19.1 83.5 1.5 10.7 93.7 28.5  ↑ 392= 397= University of Colorado at Denver United States L FC VH 5 A 8.7 8.7 100 15.9 5 12.3 28.5  ↓ 395= 352= Kobe University Japan L FC VH 4 A 24.6 27.4 58.3 15.4 10.2 9 28.4  † 395= Tampere University Finland L 24.8 30.7 29 38.1 29.2 8.6 28.4  ↑ 395= 420= The American University in Cairo Egypt M CO HI 5 B 24.6 37.4 43.7 5.7 93.9 3.8 28.4  ↓ 398= 375 University of St Gallen (HSG) Switzerland M SP VH 5 A 9.7 66.4 8.1 31.8 100 93.5 28.3  ↓ 398= 387= Wake Forest University United States M FC VH 5 B 5.9 7.8 100 19.6 7.4 16.2 28.3  ↑ 400= 415= Huazhong University Of Science and Technology Pakistan M CO VH 4 A 19.8 22 8.4 33.2 97.7 95.9 28.2  ↑ 400= 417= National University of Sciences and Technology Pakistan M CO VH 3 A 16.4 39.4 76.6 9.2 3.7 5.4 28.2	个	392=	439=	Kazan Federal University	Russia	L	FO	VH	5	Α	18.2	8	82.3	3.5	9.7	53.1	28.5
↑ 392= 397= University of Colorado at Denver United States L FC VH 5 A 8.7 100 15.9 5 12.3 28.5  ↓ 395= 352= Kobe University Japan L FC VH 4 A 24.6 27.4 58.3 15.4 10.2 9 28.4  † 395= Tampere University Finland L 24.8 30.7 29 38.1 29.2 8.6 28.4  ↑ 395= 420= The American University in Cairo Egypt M CO HI 5 B 24.6 37.4 43.7 5.7 93.9 3.8 28.4  ↓ 398= 375 University of St Gallen (HSG) Switzerland M SP VH 5 A 9.7 66.4 8.1 31.8 100 93.5 28.3  ↓ 398= 387= Wake Forest University United States M FC VH 5 B 5.9 7.8 100 19.6 7.4 16.2 28.3  ↑ 400= 415= Huazhong University of Science and Technology China XL FC VH 4 A 19.2 23.4 17.3 68.1 12.7 6.6 28.2  ↓ 400= 397= La Trobe University Australia L CO VH 4 A 19.8 22 8.4 33.2 97.7 95.9 28.2	<b>1</b>			•		1											
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+       395=       Tampere University       Finland       L       24.8       30.7       29       38.1       29.2       8.6       28.4         ↑       395=       420=       The American University in Cairo       Egypt       M       CO       HI       5       B       24.6       37.4       43.7       5.7       93.9       3.8       28.4         ↓       398=       375       University of St Gallen (HSG)       Switzerland       M       SP       VH       5       A       9.7       66.4       8.1       31.8       100       93.5       28.3         ↓       398=       387=       Wake Forest University       United States       M       FC       VH       5       B       5.9       7.8       100       19.6       7.4       16.2       28.3         ↓       400=       415=       Huazhong University       China       XL       FC       VH       4       A       19.2       23.4       17.3       68.1       12.7       6.6       28.2         ↓       400=       397=       La Trobe University       Australia       L       CO       VH       4       A       19.8       22       8.4       33.2				·		L											
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→       398=       375       University of St Gallen (HSG)       Switzerland       M       SP       VH       5       A       9.7       66.4       8.1       31.8       100       93.5       28.3         →       398=       387=       Wake Forest University       United States       M       FC       VH       5       B       5.9       7.8       100       19.6       7.4       16.2       28.3         ↑       400=       415=       Huazhong University       China       XL       FC       VH       4       A       19.2       23.4       17.3       68.1       12.7       6.6       28.2         ↓       400=       397=       La Trobe University       Australia       L       CO       VH       4       A       19.8       22       8.4       33.2       97.7       95.9       28.2         ↑       400=       417=       National University of Sciences and Technology       Pakistan       M       CO       VH       3       A       16.4       39.4       76.6       9.2       3.7       5.4       28.2	+	395=		Tampere University	Finland	L					24.8	30.7	29	38.1	29.2	8.6	28.4
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✓       398=       387=       Wake Forest University       United States       M       FC       VH       5       B       5.9       7.8       100       19.6       7.4       16.2       28.3         ↑       400=       415=       Huazhong University of Science and Technology       China       XL       FC       VH       4       A       19.2       23.4       17.3       68.1       12.7       6.6       28.2         ↓       400=       397=       La Trobe University       Australia       L       CO       VH       4       A       19.8       22       8.4       33.2       97.7       95.9       28.2         ↓       400=       417=       National University of Sciences and Technology       Pakistan       M       CO       VH       3       A       16.4       39.4       76.6       9.2       3.7       5.4       28.2	4	398=	375	University of St Gallen (HSG)	Switzerland	М	SP	VH	5	Α	9.7	66.4	8.1	31.8	100	93.5	28.3
↑ 400= 415= Huazhong University of Science and Technology China XL FC VH 4 A 19.2 23.4 17.3 68.1 12.7 6.6 28.2 ↓ 400= 397= La Trobe University Australia L CO VH 4 A 19.8 22 8.4 33.2 97.7 95.9 28.2 ↑ 400= 417= National University of Sciences and Technology Pakistan M CO VH 3 A 16.4 39.4 76.6 9.2 3.7 5.4 28.2	4			·													
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Ational University of Sciences and Technology  Pakistan  M CO VH 3 A 164 394 766 92 37 54 282						XL											
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# AREAS OF SPECIALISATION

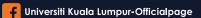


- Chemical Engineering and Bioengineering Technology
- Information Technology, Networking System,
  Multimedia and Animation
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  Management, Marketing and Tourism
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- Aviation and Aircraft Maintenance Technology
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  Mechanical Engineering and Industrial Maintenance Technology
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We are looking for Dark Matter and seeking answers to the 100 most important questions in modern science



	2020 Rank	2019 Rank	Institution	Location	Size	Focus	Res.	Age	Status	Academic reputation	Employer reputation	Faculty student	Citations per faculty	International faculty	International students	Overall
4	400=	367=	Universidad Austral	Argentina	S	СО	MD	3	В	15.6	36.9	84.4	1.9	6.1	12.2	28.2
4	400=	381=	University of The Witwatersrand	South Africa	L	FC	VH	5	Α	24.9	36.9	11.7	37.4	83.5	10	28.2
4	400=	391=	Washington State University	United States	L	FC	VH	5	Α	28.4	23.4	18.5	35.6	62	10.6	28.2
1	406	407=	University of Coimbra	Portugal	L	FC	VH	5	Α	30.1	13.1	19	37.1	12.4	57.2	28.1
4	407=	387=	HUFS – Hankuk (Korea) University of Foreign	South Korea	L	СО	HI	4	В	12.2	20.1	82.7	2.2	40.3	40.9	28
<b>1</b>	407=	432=	Studies Sharif University of Technology	Iran	М	FO	VH	4	Α	11.8	23.7	14.2	88.3	5.2	2	28
<b>1</b>	407=	419	University of Tennessee	United States	L	FC	VH	5	Α	12.1	28.1	19.3	79.3	5.7	4.5	28
4	410=	407=	Johannes Gutenberg Universität Mainz	Germany	XL	FC	VH	5	Α	21.8	11.1	54.7	20.9	34.5	22.8	27.9
4	410=	402=	National Sun Yat-sen University	Taiwan	М	СО	VH	3	Α	24.7	19.4	36.5	37.6	15.6	8.6	27.9
Ψ	412=	397=	Chung-Ang University	South Korea	L	FC	HI	5	В	14.1	21.1	77.3	11	16.5	29.6	27.8
1	412=	456=	Johannes Kepler Universität Linz (JKU)	Austria	М	CO	VH	4	Α	11.2	29.1	52	25.2	77.4	20.6	27.8
1	412=	422=	Shanghai University	China	XL	CO	VH	3	Α	25	6.4	54.9	17.6	46.3	5.2	27.8
Ψ.	412=	319=	Tilburg University	Netherlands	М	FO	VH	4	Α	15	24.1	12.4	53.3	84.2	38.7	27.8
<b>V</b>	416	402=	Laval University	Canada	L	FC	VH	5	Α	21.3	21.3	30.7	29.6	69.1	28.7	27.7
4	417	396	Goldsmiths, University of London	United Kingdom	М	FO	VH	5	Α	20.5	7.9	20.3	26.5	86.6	95.7	27.6
Λ Λ	418	394=	L.N. Gumilyov Eurasian National University	Kazakhstan	L	FO	HI	2	A	12.9	14.8	93	1.4	32.3	6.1	27.5
<b>V</b>	419= 419=	407=	Ben Gurion University of The Negev	Israel	L	FC	VH	4	A	16.4	19.1	18.2	53.3	70.1	21.3	27.4 27.4
<b>1</b>	419=	412= 426=	Tulane University Illinois Institute of Technology	United States United States	M M	FC CO	VH	5 5	B B	10.6 17	5.1 7.4	85.7 16.1	17.2 51.7	17.6 23.1	22.1 100	27.4
4	421=	405=	Universidade Nova de Lisboa	Portugal	L	FC	VH	3	A	26.9	27.8	28.2	22.4	26.7	43.8	27.3
<b>1</b>	421=	435=	University of Iowa	United States	L	FC	VH	5	Α	22.4	13	43.2	32.9	16.9	17	27.3
<b>1</b>	424=	478=	Flinders University	Australia	L	FC	HI	4	Α	14.3	8.8	8.6	48.9	91.4	88.1	27.2
<b>1</b>	424=	472=	Università degli Studi di Napoli Federico II	Italy	XL	FC	VH	5	Α	31.6	15.4	6	57.4	3.1	1.1	27.2
4	424=	397=	Universität Konstanz	Germany	М	СО	VH	4	Α	24.2	8.5	37.6	24.2	56.7	27.5	27.2
4	427=	415=	National Central University	Taiwan	М	CO	VH	4	Α	23	19.5	32.8	36.3	20.7	20.3	27.1
4	427=	405=	Stellenbosch University	South Africa	L	FC	VH	5	Α	25.9	31	4.5	50.6	38.2	11.6	27.1
4	429=	422=	Dublin City University (DCU)	Ireland	L	CO	HI	3	Α	16.8	25.9	39.1	16.2	79.6	51	27
<b>1</b>	429=	443=	Tianjin University	China	XL	CO	VH	5	Α	17.9	3.5	21.5	71.6	9	6.2	27
4	429=	391=	University of Liege	Belgium	L	FC	VH	5	Α	18.5	25.5	25.3	33.5	45.9	57.8	27
Λ Λ	432=	376=	Boston College	United States	L	CO	HI	5	В	22.9	21.1	37.5	23.6	43.6	19.5	26.7
<b>V</b>	432= 432=	372 412=	Ruhr-Universität Bochum	Germany Spain	XL L	FC FC	VH	4 5	A A	22.8 19.2	16.7 9.9	2.5 74.8	59.6 12	34.3 4.8	33.8 6.1	26.7 26.7
<b>1</b>	435	470=	Universidad de Zaragoza Universidad Politécnica de Madrid	Spain	XL	SP	VH	3	A	27.6	61.2	23.9	12.7	3.7	34.8	26.5
1	436=	464=	Beijing Institute of Technology	China	L	FO	VH	4	Α	20.9	7	35.1	47.9	5	8.1	26.4
1	436=	511-520	ITMO University	Russia	M	FO	VH	5	Α	9.8	13.7	83.3	6.3	18.3	44.1	26.4
Ψ	438	384=	Universidad de Belgrano	Argentina	М	СО	LO	4	В	7.7	19	89.2	1.1	6.9	55.8	26.3
<b>4</b>	439=	404	Peter the Great St.Petersburg Polytechnic Uni-	Russia	L	FO	VH	5	Α	10.5	10.5	77.2	3.3	16.8	78.1	26.2
<b>1</b>			versity Universidade Federal de São Paulo (UNIFESP)		L											
<b>1</b>	439= 439=	464= 461=	Universidade Federal de São Paulo (UNIFESP)  University of Saskatchewan	Brazil Canada	L	FC FC	VH	4 5	A A	11.7 11.5	5.1 10.2	93 31.3	10 39.3	5.5 73.5	1.8 53.6	26.2 26.2
<b>V</b>	439= 442=	461= 381=	Aston University	United Kingdom	L	CO	VН	4	A	10.9	41.9	13.2	35.7	73.5 97.3	54.4	26.2
<b>1</b>	442=	464=	Auckland University of Technology	New Zealand	L	СО	HI	2	A	19.6	25.9	14.7	12.8	99.5	100	26
<b>↑</b>	442=	443=	Bond University	Australia	S	FC	HI	3	В	4.1	8.4	47.3	20.3	98.6	99.1	26
<b>1</b>	442=	464=	Chiba University	Japan	L	FC	VH	5	Α	14.6	4.9	79.8	14.7	8.5	6.1	26
1	442=	450=	Colorado State University	United States	L	CO	VH	5	Α	18.2	20.8	46	26.7	30.9	8.5	26
1	442=	481=	UCSI University	Malaysia	М	СО	MD	3	С	10	35.1	57.6	3.6	41.7	81.1	26
1	448=	472=	Florida State University	United States	XL	FC	VH	5	Α	26.9	43.3	12	35.4	17.8	5.7	25.8
1	448=	456=	Hitotsubashi University	Japan	М	SP	HI	5	Α	21.2	66.8	35.9	4.3	29.2	21.5	25.8
1	448=	501-510	Università degli Studi di Firenze (UNIFI)	Italy	XL	FC	VH	4	Α	34.2	6.2	10.6	39.2	8.5	20.3	25.8















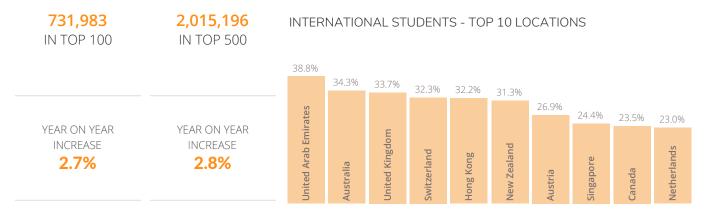






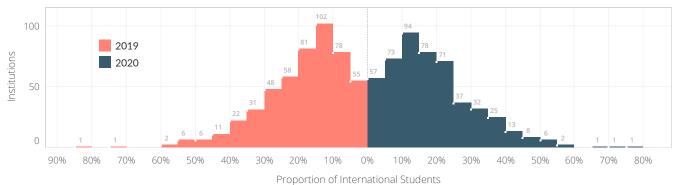
2020 Rank	2019 Rank	Institution	Location	Size	Focus	Res.	Age	Status	Academic reputation	Employer reputation	Faculty student	Citations per faculty	International faculty	International students
451=	448=	Koç University	Turkey	М	СО	VH	3	В	16.3	31.4	49.8	18.4	39.9	6.7
451=	476=	National University of Science and Technology	Russia	М	СО	VH	4	Α	9.3	16.5	74.1	7.3	11	68.1
		"MISIS"						^						
451=	476=	Xiamen University	China	XL	FC	VH	4	A	26.1	4	26.5	44.1	7.6	4.5
454=	432=	Dongguk University	South Korea	L	FC	HI	5	В	10.4	7	82	9.1	14.4	35.1
454= 454=	446=	National Technical University of Athens	Greece	L M	FO	VH	5 4	A	18.7	45	9	56.3	1.6	7.3
454= 454=	435= 384=	Sogang University University of California, Riverside (UCR)	South Korea United States	L	CO FC	VH	4	B A	18.6 16.9	34.1 12.4	51.9 16.6	13 57.3	11.8 44.8	9.9
454=	489=	Université de Bordeaux	France	XL	FO	VH	5	A	32.7	5.7	28.9	6.5	51.4	41.6
458=	488	Vilnius University	Lithuania	L	FC	HI	5	Α	18.6	22.9	69.5	5.2	9.2	6.1
460	453=	University of Maryland, Baltimore County	United States	М	FC	VH	4	Α	10.3	5.4	12.6	83.7	14.9	13.3
461	450=	Oregon State University	United States	L	СО	VH	5	Α	17.9	7.9	29.6	37.6	56.3	21
462=	491=	Beihang University	China	L	СО	VH	4	Α	15.5	6	31.8	55.8	10.1	6.2
462=	464=	Concordia University	Canada	XL	СО	VH	3	Α	15.3	36.2	5.4	28	84.4	89.6
462=	521-530	Julius-Maximilians-Universität Würzburg	Germany	L	FC	VH	5	Α	15.8	6	10	66	47.9	12.7
462=	435=	Swansea University	United Kingdom	L	FC	HI	4	Α	12.9	12.9	33.8	25.9	73.9	61
462=	456=	The Catholic University of Korea	South Korea	М	FC	VH	5	В	4.7	1.9	96.5	17.1	3.2	4.3
462=	500=	University of Science and Technology Beijing	China	L	СО	VH	4	Α	19.2	5	17	65.6	4.5	4.1
468=	429=	Brandeis University	United States	М	CO	VH	4	В	11.7	11	41.2	27.3	29.6	80.9
468=	521-530	Pontificia Universidad Javeriana	Colombia	L	FC	MD	5	В	34	70.6	17	2.5	6.5	2
468=	541-550	Shandong University	China	XL	FC	VH	5	Α	16.4	10.4	27.5	55.7	9.3	5.5
468=	461=	Universität des Saarlandes	Germany	L	FC	HI	4	Α	11.9	5.8	57.9	18.4	40.8	47.3
468=	498=	Western Sydney University	Australia	XL	FC	HI	3	Α	18.3	25.9	8.7	28.3	100	55.1
468=	460	Yokohama City University	Japan	S	CO	VH	5	Α	6	2.4	99.9	10	4.6	2.6
474=	551-560	Pontificia Universidad Católica del Perú	Peru	L	FO	HI	5	В	36.5	56.3	19.2	1.7	7	2.3
474=	431	The University of Georgia	United States	XL	FC	VH	5	Α .	24.5	26.3	16.1	36.6	32.1	6.6
474=	487	University of Delhi	India	L	FC	HI	4	A	37.1	43.7	12.1	15.6	1.7	1.8
477 478=	500= 453=	Singapore Management University  Christian Albrochts Universität zu Kiel	Singapore	М	SP FC	HI	2	A	14.5 18	25.8 4.7	15.7 55.1	24.3	100 11.6	67.8
478=	417=	Christian-Albrechts-Universität zu Kiel University of Stirling	Germany United Kingdom	M	CO	VH	4	A A	10.6	10.6	21.1	40.7	75.9	65.3
480=	541-550	South China University of Technology	China	XL	СО	VH	4	Α	12.1	3.9	21.2	71.3	13.5	4.3
480=	407=	Universidad Externado de Colombia	Colombia	L	СО	LO	5	В	8.9	39	79.8	1	16.9	2.2
482=	491=	Universidade Estadual Paulista "Júlio de Mesquita Filho"	Brazil	XL	FC	VH	3	Α	31.2	15.5	35.5	14.7	5.9	2.2
482=	521-530	Universiti Teknologi Petronas (Petronas)	Malaysia	М	SP	VH	2	В	12.6	26.2	35.5	20.9	82.2	30.1
484=	432=	Aberystwyth University	United Kingdom	М	CO	VH	5	Α	9.9	6	28	42.1	59.8	57.3
484=	429=	Chang Gung University	Taiwan	M	FO	VH	3	В	3.8	4.5	59.3	50.2	3.7	8.1
484=	475	Jilin University	China	XL	FC	VH	4	A	16.6	12.6	53.1	25.2	13.9	3
484=	601-650	University of Canberra	Australia	M	CO	VH	3	A	15.5	12.6	5.2	38.7	95.5	68.7
484= 489=	439=	Wayne State University	United States	L	FC	VH	5	A	9.8	3.8	72.6	20.1	18.5	13.3
489= 489=	498= 511-520	Amirkabir University of Technology Universidad de Santiago de Chile (USACH)	Iran Chile	M L	FO FC	VH MD	4 5	A A	4.7 35.6	15 60.2	7.4 13.1	94.9	7 8.2	2.6
489= 491=	472=	Indian Institute of Technology Guwahati (IITG)	India	M	CO	VH	3	A	11.7	15.2	18.7	71.2	0.2	1.5
491=	521-530	Lappeenranta University of Technology	Finland	S	20	711	,	A	6.6	17.2	23.6	56.3	49.4	28.6
491=	480	M.O.Auezov South Kazakhstan State University	Kazakhstan	L	СО	MD	4	A	7	6.1	94.1	1	17.1	17.7
491=	531-540	Universidad de Montevideo	Uruguay	S	FC	LO	2	В	13.4	17.3	79.1	1.3	18.1	3.7
491=	453=	Université Aix-Marseille	France	XL	FC	VH	5	А	33.9	4.9	13.5	25	23.6	26.6
491=	439=	University of Delaware	United States	L	СО	VH	5	Α	11	10.2	11.6	67.1	39.3	22.5
491=	481=	V.N. Karazin Kharkiv National University	Ukraine	L	FC	MD	5	Α	10.8	11.4	72.2	1.8	1.3	78.4
498=	531-540	Czech Technical University In Prague	Czech Republic	L	SP	VH	5	Α	18.7	39.7	33.9	10.6	18.2	57.5
498=	422=	Université de Montpellier	France	XL	СО	VH	5	Α	20.3	18.8	13.1	42.8	20.1	39.3
498=	481=	University of Eastern Finland	Finland	М	СО	VH	3	Α	14.5	10.5	43.8	33.5	27.9	9.1

# INTERNATIONAL STUDENTS

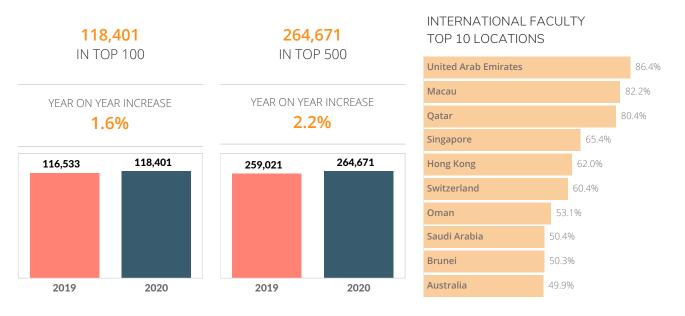


#### INTERNATIONAL STUDENTS RATIO - TOP 500 INSTITUTIONS

The histogram presents the number of institutions falling into each ratio range.



# INTERNATIONAL FACULTY



The United Arab Emirates leads in the international metrics, showcasing its strength as a regional higher education hub.

A group of European countries, Hong Kong, Australia and New Zealand are clearly a magnet for international students, all of them with average ratios higher than 25%. The Middle East and Southeast Asia are particularly active hiring international faculty staff, with Switzerland and Australia also displaying strong average rates in this area.



UNITING PEOPLE OF DIFFERENT **CULTURES BY KNOWLEDGE RUDN UNIVERSITY CREATES LEADERS TO** MAKE THE WORLD BETTER

**FOUNDED IN 1960** 

**Engineering Technologies** 

Medicine

**Agrarian Technologies** 

**Space Technologies** 

Law

**Hospitality Business and Tourism** 

Linguistics

**Modern Languages** 

**Physics** 

**Mathematics** 

Chemistry

**Sciences** 

**Economics** 

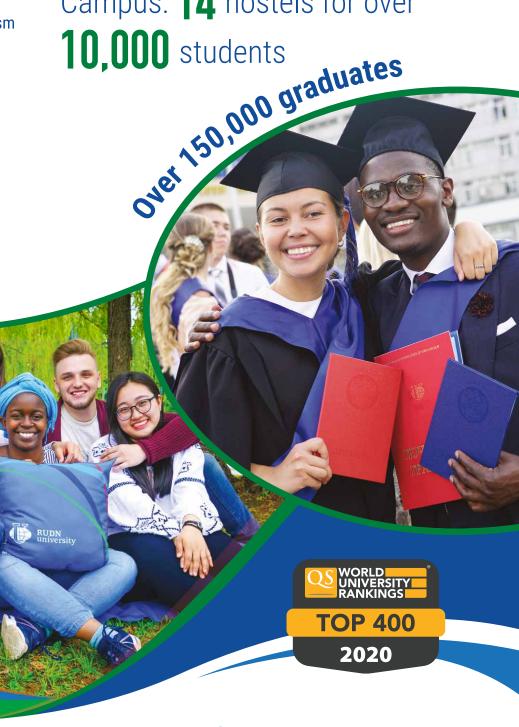
**Humanities** 

**Ecology** 

32,000 157 students countries

472 Higher Education programs

Campus: 14 hostels for over



# **Research Metrics**

# Powered by Scopus'

For the 2020 edition of the QS World University Rankings over 13 million papers and 93 million citations indexed by Scopus were analysed. Globally, the research output is increasing, with the average institution producing over 5,100 publications, 8.5% more than in the previous edition. This increase has been more intensively felt in citations, with an average positive shift of almost 16% year on year.

#### PAPERS AND CITATIONS COUNT

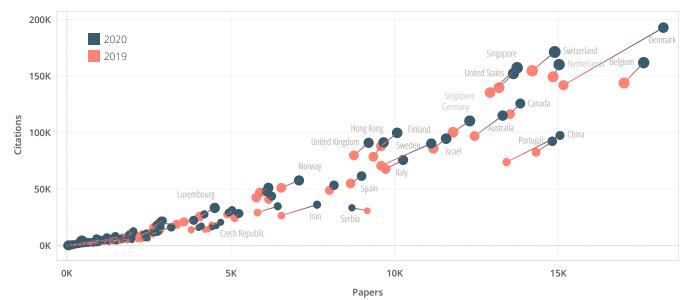
	Data	% Difference
Papers	13,435,603	3.4%
Citations	93,525,343	10.7%
Citations (SCE)	74,004,283	10.9%

Papers period: 2013-2017 | Citations period: 2013-2018

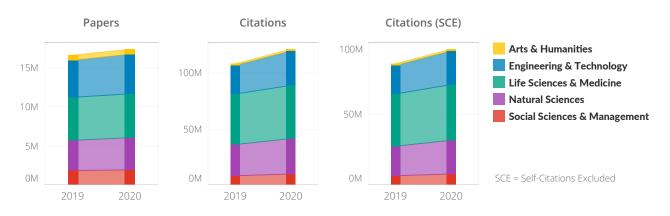
#### AVERAGE SHIFT IN THE RESEARCH METRICS

	Average	% Difference
Papers	5,120	8.5%
Citations	52,029	15.7%
CitationsSCE	40,353	15.7%
Impact	5	17.5%

#### AVERAGE PAPERS AND CITATIONS BY LOCATION - EVOLUTION



#### PAPERS AND CITATIONS BY BROAD SUBJECT AREA







Society is hurtling towards a new future, with robots and autonomous systems transforming how we work and live globally.

Deakin University's world-leading
Institute for Intelligent Systems Research
and Innovation (IISRI) has set up the
iTrust Lab to discover how to improve
human and robot relations.

The team has already developed an algorithm that can predict driver and pedestrian behaviour, which is set to accelerate the use of autonomous vehicles globally.

"Can we be comfortable if a robot is involved in our medical procedure, or be confident to travel in a self-driving car? These are the questions we are seeking to answer," explained IISRI Director, Professor Saeid Nahavandi.

At iTrust Lab over 35 researchers work with haptic, tele-operated and autonomous-capable robots, as well as measurement devices like EEGs, functional near infrared imaging and eyetracking equipment, to fully understand how humans and machines interact.

This knowledge will inform the next generation of technologies, designed to improve our lives, from remote haptic surgical devices to autonomous vehicles.

Over 80 experts at IISRI work with defence, transport, health, mining, manufacturing and many other sectors to ensure AI fulfils its primary purpose, enhancing human abilities – rather than replacing us – and makes life better for us all.

Connect with Deakin: www.deakin.edu.au/iisri





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