AD Scientific Index

Rankings for Scientist

University, Subject, Country, Region, World

South Korea

Top 10000 Scientists

AD Scientific Index 2024

March 10 2024

South Korea Top 10000 Scientists
”AD Scientific Index 2024” World Scientist and University Rankings 2024

(Total 1.446.043 scientist, 219 country, 23.201 university)

The h-index is calculated based on the number of times an article has been cited at least h times. In order to have a high h-index, an academic must have published a high number of articles and received a high number of citations. For example, an h-index value of 15 indicates that the academic has received at least 15 citations for each of the 15 articles published. To increase the h-index value from 15 to 16, the same academic would need to receive at least 16 citations for the 16 papers published. Several databases can be used to find the h-index value, including Google Scholar, Web of Science, Scopus and Publons, some of which are public and some of which require a subscription. These databases use different parameters to calculate h-indexes, including SCI-E or indexed journals, or non-indexed ancillary elements such as other journals, books or patents. Because the set of parameters used by each database is different from those used by others, each database may calculate different h-index values. Therefore, the h-indexes calculated by Google Scholar, Web of Science, Scopus and Publons may be different for the same researcher. For example, a researcher who has written more books than scientific papers may have a low h-index in the Web of Science despite having a high number of citations. Neither index is equivalent to the other because of their different scopes. Having a large number of publications indicates that the researcher is productive, but data alone may not be the true indicator of the researcher's success. For example, a researcher may have 10 publications that have received 400 citations. We can argue that this researcher is more successful than a researcher who has more than a hundred published papers that have received, let's say, 200 citations. Moreover, some valuable studies may not have been given the value they deserve for various reasons, such as the failure to use appropriate methods that would allow easy access through scientific channels. The high number of papers cited by other authors shows the value and extent of the contribution to the scientific literature.

The i10 index is another academic scoring system where the scores are calculated by Google Scholar. In this scoring system, only scientific studies such as articles and books that have received 10 or more citations are taken into account. The number of studies cited ten or more times gives the i10 index value. The i10 index and h-index values calculated for the last six years do not indicate that the article was written and published in the last six years. Instead, these values show the citation power over the last 6 years, which indicates whether the paper is still effective.

Google Scholar provides both the total i10 index, h-index and citation counts as well as the values for the last 6 years through a voluntary system. In this system, researchers create their accounts, select their papers and upload the selected papers to the system. This service does not require a password and is free of charge. Here we present a newly developed index that we have developed based on the public Google Scholar profiles of scientists. We have named this new system "AD Scientific Index", which we have developed through a robust intellectual infrastructure and maximum efforts aimed at contributing to global scientific efforts.

“AD Scientific Index” (Alper-Doger Scientific Index):

This new index has been developed by **Prof. Dr. Murat ALPER** (MD) and **Associate Prof. Dr. Cihan DÖĞER** (MD) by using the ***total*** and the ***last 6 years***' values of the ***i10 index***, the ***h-index*** and the ***citation*** scores in Google Scholar. In addition, the r**atio of the last 6 years' value to the total value** of the above indices is used. Using a total of nine parameters, the "AD Scientific Index" shows the ranking of an individual scientist in 12 subject areas (Agriculture & Forestry, Arts, Design & Architecture, Business & Management, Economics & Econometrics, Education, Engineering & Technology, History, Philosophy, Theology, Law / Legal Studies, Medicine & Health Sciences, Natural Sciences, Physical Sciences), Medical and Health Sciences, Natural Sciences, Social Sciences, and Others), 256 branches, 23.201 employing institutions, 219 countries, 10 regions (Africa, Asia, Europe, North America, Oceania, Arab League, EECA, BRICS, Latin America, and COMESA), and the world. This allows researchers to see their academic rankings and follow the evolution of their rankings over time.

Why is the “AD Scientific Index” needed? How is it different from other rankings?

The "AD Scientific Index" is the first and only study that shows the ***total*** and ***six-year*** productivity coefficients of scientists based on ***h-index*** and ***i10 index*** scores and ***citations*** in Google Scholar. In addition, the index provides the ranking and assessment of scientists in academic subjects and fields as well as in 23.201 universities, 219 countries, regions and the world. In other words, the "AD Scientific Index" provides both ranking and analysis results. ***Another difference of the AD Scientific Index is that it first ranks the university or institution within all institutions, and then gives its ranking within similar institutions or within universities, private and public universities***. In addition to the indexing and ranking functions, AD Scientific Index enlivens the academic life and offers the user the possibility to carry out an efficient academic analysis to verify and detect incorrect and unethical profiles, plagiarism, falsification, distortion, duplication, fabrication, slicing, salamisation, unfair authorship and various manifestations of academic harassment. Such analyses also help to reveal the medium- and long-term results of various policies implemented by institutions, including those related to academic staff recruitment and retention policies, salary policies, academic incentives and the scientific working environment.

Some differences of the AD Scientific Index:

1- Showing the status of universities and institutions in total and in the last 6 years according to H Index, i10 index and number of citations. **Only in AD Scientific Index**...
2- Progress analysis of institutions in the last 6 years. **Only in AD Scientific Index**...
3- Comparison of public universities with public universities and showing the situation in total and in the last 6 years according to H Index, i10 index and number of citations. **Only in AD Scientific Index**...
4- Comparison of private universities with private universities and showing their status in total and in the last 6 years according to H Index, i10 index and number of citations. **Only in AD Scientific Index**...
5- Distribution analysis of the scientific ranking of the academic staff in the institution according to percentiles. **Only in AD Scientific Index..**.
6- Showing the status of individuals according to H Index, i10 index and number of citations in total and in the last 6 years. **Only in AD Scientific Index...**
7- Showing the ranking of individuals by institution, country, region and branch in the world. **Only in AD Scientific Index**...

8- Top list reports of institutions in the country, region and the world. **Only in AD Scientific Index**...

9- The ranking of individuals and institutions is constantly renewed, not once a year. **Only in AD Scientific Index**...

Subject Rankings: Which subjects are ranked in the AD Scientific Index?

Agriculture & Forestry: Agricultural Biotechnology, Agricultural Economics, Agricultural Engineering, Agricultural Mechanization, Agriculture, Crop Science, Entomology & Pesticides, Animal Science, Fisheries, Forestry, Horticulture, Plant Science, Poultry Production, Soil and Water Engineering and Conservation, Soil Sciences and Plant Nutrition. **Arts, Design & Architecture:** Architecture, Interior Architecture, Arts, Design, Urban Planning. **Business & Management:** Business Administration, Communication, Decision Science and Operations Management, Entrepreneurship, Human Resource Management, Marketing, Public Administration, Public Relations and Advertising, Strategic Management. **Economics & Econometrics**: Accounting & Finance, Banking and Insurance, Economics, International Trade. **Education**: Education, Educational Administration, Educational Technology, Educational Psychology, Elemantary Teacher Education, Foreign Language Education, Guidance and Counseling, Mathematics and Science Education, Sociology of Education, Special Education. **Engineering & Technology**: Aerospace Engineering, Automotive Engineering, Bioengineering, Biomaterials and Tissue Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Science, Earth Sciences, Electrical & Electronic Engineering, Electrical & Information Engineering, Energy Engineering, Environmental Science & Engineering, Food Science and Engineering, Geomatics Engineering, Industrial & Manufacturing Engineering, Marine Engineering, Mechanical Engineering, Mechatronics Engineering, Metallurgical & Materials Engineering, Meteorology & Atmospheric Sciences, Mining Engineering, Nanoscience and Nanotechnology, Nuclear Engineering, Petroleum Engineering, Textile Engineering. **History, Philosophy, Theology, Law / Law and Legal Studies. Medical and Health Sciences:** Anatomy, Anesthesiology and Reanimation, Audiology and Speech Pathology, Bacteriology, Biochemistry, Biophysics, Biostatistics, Cardiology, Cardiovascular Surgery, Chest Diseases, Child and Adolescent Psychiatry, Clinical Pathology, Dentistry, Dermatology and Venereology, Emergency Medicine, Endocrinology, Epidemiology and Public Health and Metabolism, Family Medicine, Forensic Medicine, Gastroenterology, General Surgery, Geriatrics, Health Sciences, Hematology, Histology and Embriology, Immunology, Infectious Diseases, Internal Medicine, Medical Biochemistry, Medical Biology, Medical Education, Medical Genetics, Medical Microbiology, Medical Oncology, Medical Parasitology, Medical Physics, Medical Physiology, Medical Virology, Microbiology, Molecular Biology, Mycology, Neonatology, Nephrology, Neurology, Neuroscience, Neurosurgery, Nuclear Medicine, Nursing and Midwifery, Nutrition and Dietetics, Obstetrics and Gynecology, Occupational Medicine, Ophthalmology, Optometry, Orthopedics and Traumatology, Otorhinolaryngology, Parasitology, Pathology, Pediatric Cardiology, Pediatric Endocrinology and Metabolism, Pediatric Gastroenterology, Pediatric Hematology, Pediatric Infectious Diseases, Pediatric Intensive Care, Pediatric Nephrology, Pediatric Neurology, Pediatric Pulmonology, Pediatric Rheumatology, Pediatric Surgery, Pediatrics and Child Health, Perinatology, Pharmacology, Pharmacy & Pharmaceutical Sciences, Physical Medicine, Physiology, Physiotherapy, Plastic Surgery, Podiatry, Psychiatry, Radiation Oncology, Radiology, Rheumatology, Sports Medicine, Thoracic Surgery, Urology, Veterinary Sciences, Virology. **Natural Sciences:** Biological Science, Chemical Sciences, Geography, Mathematical Science, Molecular Biology & Genetics, Physics. **Social**

Sciences: Anthropology, Archeology, Child Development, Demography, Higher Education Studies, Housing, International Relations, Journalism and Media, Library and Information Science, Linguistics and Literature, Open and Distance Education, Political Science, Psychology, Social Policy, Social Science, Social Work, Sociology, Tourism & Hospitality, Transportation Science & Technology.

How often is the ranking done? If I register today, when will my ranking appear in the system?

The ranking of **individuals** and **institutions/universities** is usually done every day. New entries, deletions, corrections and changes are usually visible in all web areas after one day or at the latest three days. In other words, all entries can be viewed up to date after two working days at the latest. H index, i10 index and citation numbers in profiles are updated every 30-60 days. **Country Top List** rankings are made every 10 days on average.

Data Update, Data Collection, How often is the data updated? :

H index, i10 index and citation numbers in profiles are updated every 30-60 days. Data is collected from Google Scholar. The aim is to standardise names, institutions and industries as much as possible. Non-standardised data, including wide variations in information and the use of abbreviations and a variety of languages, have caused difficulties. Updates and new rankings will be available through the current list of profiles and the pool of academics, which would grow with new subscriptions. By performing data mining and reviewing the information obtained, many profiles have been excluded from the index. In addition, some profiles were excluded during the regular data cleaning process. Data cleansing requires a regular process that must be carried out meticulously. We welcome your input in cleaning the data and ensuring accuracy.

Identifying the subjects/departments to which scientific fields would belong may seem easy in some industries and in a number of countries. However, it may cause considerable confusion in some other countries, regions and schools. We would like to emphasise that the following fields, including engineering, natural and environmental sciences, biology and biochemistry, materials science, chemistry and social sciences, may exist in quite different spectrums in different countries. Therefore, we would like to emphasise that the standardisation of subjects and branches has not been easy. In order to carry out the standardisation, we have accepted the official names of the institutions and academic branches as they appear on the university website. We developed this strategy in order to at least partially standardise this complex situation.

Expansion Policy and Add to the list?:

The number of universities in countries and the number of academics in universities are gradually increasing within our means. The current list of registered academics includes 1.446.043 individuals, making it the largest ranked database. Frequent updates will be limited to new individual and institutional registrations in addition to our existing lists. In general, we do not aim for an infinite expansion in the number of people, as we have reached a manageable number that will provide healthy results. Addition to the list is limited to new individual and institutional registrations.

Profile information and ethical responsibility:

The ethical responsibility for accurate profile information rests entirely with the individual scientist. However, we believe that it would be prudent for institutions, countries, and even professional societies to conduct periodic reviews of the profiles of scientists affiliated with their organisation, as misleading information can damage the reputation of the organisation or country. Organisations should also review profiles to identify and report on scientists who are not affiliated with the institution. In order to avoid damage to the reputation of the institution, institutions should take the necessary corrective and preventive action against published scientist profiles that are unethically arranged.

Is it compulsory to register to find out your ranking?

You do not need to register to find out your individual ranking, you will be ranked more or less the same as a scientist with a similar H index, i10 index and citation count. Scientists with scores similar to yours are definitely on the list. However, you need to register to be included in the ranking with all its elements.

Ranking Criteria:

H-index rankings

Ranking of scientists by the university, country, region, and in the world was performed based on the “total h-index”. The “total h-index” was used in rankings by the branch and the subbranch.

The ranking criteria based on the “**total h-index”** scores were used in the following order: 1. Total h-index scores, 2. Last 6 years’ h-index scores, 3. Total i10 index scores, 4. Total number of citations). Ranking based on the **last 6 years h-index**" scores was performed using criteria in the following order: 1. Last 6 years’ h-index scores, 2. Total h-index scores, 3. Last 6 years’ i10 index scores, 4- Number of citations in the last 6 years.

i10 Index Productivity Rankings

i10 Index Productivity Rankings is a unique service offered only by "AD Scientific Index". It is a ranking system derived from the i10 index to show the productivity of scientists in publishing high-value scientific articles. It shows the number of articles with 10 or more citations, not the total number of articles of the scientist. Productivity Rankings is a tool that lists the most productive scientists in a given field, discipline, university and country, and can guide the development of meaningful incentives and academic policies. The world, regional and university rankings of scientists in this table are calculated on the basis of the overall i10 index. You can also see the **"last 6 years i10 index"**.

The ranking criteria for the **total i10 index** were used in the following order: 1. Total i10 index scores, 2. Last 6 years’ i10 index scores, 3. Total h-index scores, and 4. Total number of citation . Ranking based on the **last 6 years’ i10 index** scores was performed using the criteria in the following order: 1. Last 6 years’ i10 index scores, 2. Total i10 index scores, 3. Last 6 years’ h-index scores and 4. Number of citations in the last 6 years.

Citation Rankings

Citation Rankings is a unique service offered only by "AD Scientific Index". It is a ranking system derived from the number of citations to scientific articles of scientists. The Citation

Rankings is a tool that lists the scientists whose scientific publications are most highly valued in a given field, discipline, university and country, and like the i10 index, this ranking can guide the development of meaningful incentives and academic policies. You can also see the "**last 6 years citation counts**".

Ranking based on the **total number of citations** was performed using the criteria in the following order: 1. Total number of citations, 2. Number of citations in the last 6 years , 3. Total i10 index scores and 4. Total h-index scores. Ranking based on the total number of **citations in the last 6 years** was performed using the criteria in the following order: 1: Number of citations in the last 6 years, 2. Total number of citations, 3: Last 6 years' i10 index scores and 4. Last 6 years' h-index scores

Studies that influence the order of ranking because of a high number of citations received, in a manner similar to CERN:

We started a procedure to add an asterisk as "***i***" at the end of the names of the authors when a scientific paper of interest included many authors such as CERN, ATLAS, ALICE, CMS, Statistical Data, Guideline, Updates etc. scientific papers. We think that new criteria will be defined to be implemented for such studies. Until further criteria are described, we marked such studies with a "***i***" sign. **List without CERN, Statistical Data etc.**

Why are the last 6 years' ratios / total ratios important?

The h-index, the i10 index and the ratio of citations in the last 6 years to the total number of citations are important unique features of the AD Scientific Index, showing both the development of the individual performance of the scientist and the impact of the institutional policies of the universities on the overall scientific picture.

Institution analysis with AD Scientific Index

"AD Scientific Index" is the only source where you can evaluate all these institutions according to Total H Index, Last 6 Years H Index, Total i10 Index, Last 6 Years i10 Index, Total Citations and Last 6 Years Citations and analyse the latest developments of the institution. AD Scientific Index is the only analysis system that can analyse the number of scientists in institutions by subject and the top 10%, 20%, 30%, 40%, 50%, 50%, 60%, 70%, 80%, 90% and 90% of the world. Examples of Utah State University analyses are below:

a. Utah State University ranking among ALL UNIVERSITIES in the country, continent and world by 6 parameters:

{{REPLACE_IMG_1}}

b. Utah State University ranking among ALL PUBLIC UNIVERSITIES in the country, continent and world according to 6 parameters:

{{REPLACE_IMG_2}}

c. Utah State University ranking in ALL INSTITUTIONS (university, institute, hospital, company) in

the country, continent and world:

{{REPLACE_IMG_3}}

d. Analysis of Utah State University scientists' achievement status by percentiles and subject:

{{REPLACE_IMG_4}}

Ranking Criteria for Universities:

We have a ranking that includes **all universities**, **private universities**, **public universities**, **institutions**, **hospitals**, **companies**, as well as a ranking that includes only the relevant categories. For example, a private university: You can see its ranking in the country, the region and the world among all institutions, all private universities and all universities.

For global university rankings, ranking organisations use the following parameters: quality of education, employment rates of graduates, quality of faculties within an individual university, international collaborations, number of alumni and staff awarded Nobel Prizes and Fields Medals, number of highly cited researchers selected by Clarivate Analytics, total number of research papers, number of articles published in Nature and Science journals, number of articles indexed in Science Citation Index-Expanded (SCIE) and Social Science Citation Index (SSCI), and number of highly cited research articles. Each ranking organisation develops a ranking methodology that assigns different weightings to selected elements of these parameters. Experienced ranking organisations evaluate 2000-3000 universities for the ranking.

AD Scientific Index performs rankings using a single parameter, the number of "Valued and Productive Scientists" employed by a given university. This parameter, selected after years of observation, is calculated using the total H-index and i10-index values together with the number of citations, and the total H-index and i10-index values of the last 6 years together with the number of citations received in the last 6 years. We rank more than 22,350 universities in this way. Careful examination will reveal that most of the other parameters are representations of the natural academic products of 'valued and productive academics'. Institutions employing a high number of Valued and Productive Scientists, for example scientists in the first top 10%, top 20%, top 40%, top 60%, top 80% and later ranks, will naturally produce a higher number of academic outputs listed as the parameters above. "The AD Scientific Index is the only university ranking system that analyses the distribution of scientists in an institution according to the 10, 20, 30, 40, 50, 60, 70, 80 and 90 percentiles.

The ranking of institutions starts by identifying the scientists in the top 10, 20, 30, 40, 50, 60, 70, 80 and 90 per cent of the institution. Institutions with more scientists in these bands are ranked higher. If there is an equal number of scientists in a range, the next range is considered. If the number is still equal, the institution with the higher number of individual scientists is ranked higher.

A comparison of the AD Scientific Index scores of institutions with the scores of other ranked institutions will show a high degree of consistency between the scores. We use our methodology to rank institutions of different characteristics and sizes from different countries and all continents, and achieve very successful results through the ranking figures obtained. Given the

ongoing processes of data entry and data cleansing for over 22,500 universities, we expect that data entry issues such as incomplete entries or human errors in data entry made by either the universities or our team will be resolved and lead to improved accuracy of results over time.

The AD Scientific Index top university rankings will not only list the areas in which a university is the best or has room for improvement, but will also reflect the results of the institutions' science policies. This report reveals the ability of institutions to attract highly-regarded researchers and the ability of institutions to promote progress and retain researchers.

Institution analysis with AD Scientific Index

"AD Scientific Index" is the only source where you can evaluate all these institutions according to Total H Index, Last 6 Years H Index, Total i10 Index, Last 6 Years i10 Index, Total Citations and Last 6 Years Citations and analyse the latest developments of the institution.

Ranking Criteria for Countries:

As described in the university ranking section, it is not easy to obtain and standardize data from about *23.201* universities for the *219* country ranking. Therefore, we based our ranking system on the number of meritorious scientists. Four criteria are used to rank the countries. The first one is the number of scientists in the top 3% list. The second and third criterion are the number of scientists in the Top 10%, Top 20%, Top 40%,Top 60% Top 80%, and later ranks. The fourth one is the number of scientists listed in the AD Scientific Index. In the case of equalities after applying all these four criteria, the world rank of the meritorious scientist of that country is used.

Top 100 Institutions

With this ranking, you can see the top 100 institutions among all universities, private universities, public universities, all institutions, hospitals and companies in any country, region and the world.

Top 100 Scientists

The Top 100 Scientists ranking is based on total h-index scores. The Top 100 Scientists can be ranked globally or specifically for the following regions: Africa, Asia, Europe, North America, Oceania, Arab League, EECA, BRICS and Latin America, based on total h-index scores without any breakdown by subject area. The top 100 rankings in the world, continent or region include the standardised subject areas of Agriculture & Forestry, Arts, Design & Architecture, Business & Management, Economics & Econometrics, Education, Engineering & Technology, History, Philosophy, Theology, Law & Legal Studies, Medical & Health Sciences, Natural Sciences and Social Sciences. Subjects listed as 'other' are not included in the rankings by region and subject. Therefore, you may wish to specify your subject and field and contribute to the standardisation of your performance. Identifying the subjects/departments to which scientific fields would belong may seem easy in some sectors and in a number of countries. However, it may cause considerable confusion in some other countries, regions and schools. We would like to emphasise that the following fields, including engineering, natural and environmental sciences, biology, biochemistry, materials science, biotechnology, chemistry and social sciences, may exist in quite different spectrums in different countries. Therefore, we would like to emphasise that the standardisation of subjects and branches was not easy. In order to carry out the standardisation, we have accepted the official names of the institutions and academic branches as they appear on the university website. We developed this strategy to at least partially standardise this complex

situation. We also started a procedure of adding an asterisk as an "i" at the end of the authors' names when a scientific paper of interest had many authors, such as the scientific papers of CERN.

Compare And Choose Universities/Institutions

A comprehensive and reliable resource for your academic preferences and choices at all levels. You can find relevant data in “AD Scientific Index” to compare 22.710 universities and institutions from 219 countries. The number of scientists and publications, academic interests, and other detailed analysis results concerning universities and institutions will help you make your choices. For comparisons, **click**

Academic collaboration

Scientific fields of interest specified in the profiles of scientists are available for other scientists from different countries and institutions to enable academic collaboration.

Comparisons of Ranking Systems

In addition to the rankings of scientists, which consist of many tables and graphs of trend analyses that are provided for the first time, this comprehensive system offers several data and analysis results that, within the limits of the inherent advantages and limitations, will provide important added value to branches and institutions. We would like to emphasise that comparisons should not be made between two branches, each of which has a different potential to produce scientific publications. For example, it is not correct to expect the same number of articles from completely different fields such as law, social sciences, music, physics or biochemistry. Ranking comparisons should not overlook the inherent potential of fields to produce publications. For this reason, we try to focus on observations within the same subject/field and on recent productivity. The ranking is made only among the profiles in the "AD Scientific Index" and we would like to remind again that the fact that a person is not in the "AD Scientific Index" does not reflect the academic value of the person in a negative way, it only shows that he is not in the system.

Data Cleaning and the Redlist

Data cleansing is a dynamic process that we perform systematically on an ongoing basis. Despite our best efforts, we may not be completely accurate and we welcome your contributions to the Red List notifications. Rarely, some scientists are placed on the Red List due to innocent mistakes made in good faith and without unethical behaviour. Most errors are the result of inadequate periodic profile checks. To avoid such an undesirable situation, researchers should regularly check their profiles and institutions should systematically check the profiles of their staff. Use redlist@adscientificindex.com to report an inappropriate profile, death, or any other condition that would require the profile to be removed.

Limitations of the “AD Scientific Index”: Missing or Inaccurate Profiles or Missing Institution Names

This index is a comparative platform developed by ranking accessible and verified profiles. First and foremost, not being included in this index for various reasons does not mean that the academician is not valued or that only those academicians listed in the index are the valued

ones. This should be noted carefully. A meritorious scholar may not have been included in this index because he or she does not have a Google Scholar profile or we do not have access to that profile for various reasons. The unavailability of verified Google Scholar profiles of scholars working at well-known and respected academic institutions in their respective countries may prevent us from finding institutions and scholars' profiles. Because updating profiles in the system and collecting data from open sources requires effort, and because the data is being collected for the first time, it is not possible for the index to be completely error-free.

Google Scholar profiles are created and published by scholars themselves on a voluntary basis. An individual may not have created a profile for a variety of reasons and will therefore not be listed in the AD Scientific Index. It is important to remember that a profile may not exist or be public at the time of our search, some profiles may only be public at certain times, the information in the profile may not be consistent, there may be more than one profile belonging to the same person, profiles may not be verified, the name of the institution may be missing, surnames or names of institutions may change, profile owners may have died, or known or unforeseen problems may occur. Profiles whose owners have died will be removed from the system. The list is continually updated and corrected.

If we discover or are informed of unethical situations in profile information that go beyond the bounds of decency, the person will be removed from the list. As individuals are responsible for the accuracy of their profiles, organisations should also include the need to review academic staff profiles in their agenda.

Articles with thousands of authors, such as CERN studies in the field of physics, or scientific studies with more than one author in classification studies in medicine or statistical studies, raise debates about the requirements for the amount of article content that belongs to an author. As such papers may lead to inequality of opportunity, a separate grouping system may be needed in the future. To minimise this problem, it is also possible to sort using the "List without CERN, Statistical Data, etc" option. This is a feature found only in the AD Scientific Index.

The pros and cons of "ranking" systems such as Web of Science, Scopus, Google Scholar and similar others are well known, and the limitations of such systems have long been recognised in the scientific community. Therefore, interpreting this study beyond these limitations may lead to erroneous results. The AD Scientific Index needs to be evaluated with all of the above potential limitations in mind.

Possible reasons why a scientist is not on this list...

Since its foundation, AD Scientific Index has expanded at a rapid pace to include relevant individuals, regions, universities, countries, and continents. Currently, it includes *1.446.043* scientists and academicians from *219* countries and *23.201* universities and institutions. We are in continuous pursuit of comprehensiveness with close observations for the accuracy, cleanliness, reliability, and up-to-dateness of the data so as to ensure sustainability. During each update, all data with several types of increases in figures are subject to reviews for controls. So far, we have excluded almost 200,000 items of data for several reasons during the several stages of list development.

Reasons why a name is not on the list:

- No Google Scholar profile available,

Notification that the person does not wish to be listed,
The Google Scholar profile is not PUBLIC,
The information in the profile is incomplete or irrelevant,
A change in the profile's PUBLIC status,
Some publications do not belong to the profile,
Inappropriateness found and deleted during the review of a complaint about the profile
Opening of the personal profile outside the period of periodic data expansion for the organisation
The address is not clear or reliable,
Deletions due to various notifications of non-compliance by the researcher's institution
Deletion of previously listed profiles due to inaccessibility of profiles during updates,
In addition, a name may not appear in the list due to various errors.

Deleted Profiles

Profiles can be deleted for various reasons. Some profiles are deleted according to the controls made for data cleaning and ensuring the timeliness of the data, including ethical violation applications, sharing publications belonging to someone else, including publications belonging to someone else due to name similarity, preventing the profile from being public, profiles that are sometimes open and sometimes closed, profiles containing elements that undermine trust, profiles that are closed or inaccessible during the data renewal period. These profiles can register after correcting their data.

Inappropriate or unethical profiles

Inappropriate or unethical profiles will be deleted, even if a fee is paid.

How can individuals find out their ranking if they are not already included in the list?

You do not need to be included in a relevant list to find out your ranking. The ranking will be the same as those of other academicians or scientists with similar scores in the list. However, there is only one way to get on the list: using the registration page of the website. You can use the individual or institutional registration option from this **page. We do not respond to individual registration requests sent by e-mail.**

May 25, 2021 Total 417.605 scientist, 167 country, 9.525 university

June 18, 2021 Total 700.093 scientist, 182 country, 11.350 university

June 5, 2022 Total 948.737 scientist, 216 country, 15.652 university

October 1, 2022 Total 1.082.054 scientist, 19.490 university

April 1, 2023 Total 1.350.571 scientist, 218 country, 21.500 university

Could this work have been designed in another way?

It is not possible to measure the research capacity of a university or a researcher accurately on the basis of a few parameters. Assessments should include many other types of data, such as patents, research funding, incentives, published books, teaching intensity, congress presentations, and graduate and postgraduate teaching positions. A common criticism is why the

Web of Science h-index is not used. Since it is not possible to have access to all the data covering all the academic components, such as the h-indexes of the Web of Science, Scopus or Publons, etc., or the organisations, patents, awards, etc., it is not possible to have access to all the data covering all the academic components.

Because it will not be possible to reach the above-mentioned information *23.201* universities, the only common parameter for an evaluation is the methodology we use. Our methodology results yield the same results as those from other ranking systems, which use a large number of parameters.

The Concept of Predatory:

A journal or an academic service cannot be considered predatory only because it is not free. The concept of predatory is used for describing any unethical action including those with factitious, spurious, exaggerated, or deceptive quality, performed in return for a fee. Any predatory activity is misleading and unfair. As an institution that does not receive any governmental, institutional, or financial support and with the aim of maintaining the sustainability of our academic services and the preservation of editorial independence, we have reached the following figures of *1.446.043* academicians and *23.201* universities included in our database completely free of charge through the extensive efforts of a large team within the scope of expanding our data in terms of countries, branches, and universities. Our expansion continues at a certain pace. However, we charge a small service fee from those, who prefer to be included in the system faster, without compromising ethical principles.

A methodology that increases transparency and visibility.

The "AD Scientific Index" not only provides ranking services, but also shines a light on ethical violations by presenting publicly available data, thus paving the way for ethical violations to be resolved. By carrying the torch in this way, we are improving controllability, transparency and accountability at both individual and corporate levels. These efforts have led individuals and institutions to focus on academic profiles, and tens of thousands of academics have revised and rearranged their profiles, removing inaccurate data. As well as stressing the need for academics to regularly review the information in their profiles, we also emphasise the need for institutions to review the profiles of their academic staff. You are always welcome to contribute by reporting incorrect data via the Red List link.

How will the new rankings be updated in the “AD Scientific Index”?

Updates and new rankings will be available through the current list of profiles and the pool of academicians that would expand along with new subscriptions. Importantly, one should remember that taking 300 citations as the lower limit for inclusion in the index brings up the potential of exclusion because of variations across different H-index values. We are going to spend our best efforts to respond to e-mails, which question the justification for not being included in the list despite high H-index values.

Because data processing with simultaneous data input may entail the risk of data pollution, we prefer not to work with instant data online. Although it is difficult and time-consuming to check all profiles with increased numerical values during each data extraction, we regularly perform such checking procedures. Therefore, please do not send an e-mail requesting an update when the data in your profile changes. However, you are always welcome to contribute by reporting an

accidentally overlooked inappropriate profile by sending an e-mail.

How can I be included in the “AD Scientific Index”?

First of all, you must have a Google Scholar profile and this profile must be set to PUBLIC. If you do not have a Google Scholar profile, you can create a profile at https://scholar.google.com/ and add your published scientific articles. It is the liability of the scientist to ensure the accuracy and the ethical aspects of the profile. Furthermore, it is recommended that institutions would check the profiles of respective employees. We would like to remind you that you should check your profile regularly and keep it updated. Published scientific papers added to your profile may cause ethical issues if they do not belong to you.

Is there a specified lower limit for the h-index and i10 index scores or the number of citations to be included in “AD Scientific Index”?

For REGISTRATION, no lower limits have been specified for the number of citations or the h-index or i10-index scores to be included in the “AD Scientific Index”.

Fee Policy

For the sustainability and independence of this system, which has been developed by the labor of many people without any institutional or financial support, we request a small contribution as a transaction fee. With the contribution of many scientists from different fields, the "AD Scientific Index" is systematically updated for continuous improvement. In parallel with the continuous increase in the number of universities and scientists registered in the index, we are improving the methodology, software, data accuracy and data cleaning procedures every day with the contributions of a large team. Free changes: University/institution changes (by emailing info@adscientificindex.com with evidence). Paid changes: It is in two forms as Registered Member and Premium Member membership.

What are the features of Registered Member?

Registered Member: Total H Index Rankings, Last 6 years H Index Rankings, Last 6 years / Total H Index, Total i10 Index Rankings, Last 6 years i10 Index Rankings, Last 6 years / Total i10 Index, Total Citation Rankings, Last 6 years Citation Rankings, Last 6 years / Total Citation, Subject Rankings: Etc. Engineering & Technology / Food Science and Engineering, AD Scientific Index ID, ORCID ID, Researchgate, Awards & Achievements, Email, University / Institution Rankings, Web Of Science Researcher ID, Scopus Author ID, Academic Degree, Institutional Web Address, Office, Company or Private Business link, Books - E-books, Lecture Notes
Fee: If you are from a HIGH-INCOME ECONOMY COUNTRY ($12,536 OR MORE) based on the World Bank Classification, you will be requested to pay 30 US Dollars, and from other countries 24 US Dollars

What are the differences of Premium Member?

Premium Member: In addition to Registered User Features, Ability to enter and make changes with password, All Education Information, All Work Experience, All Publications, All Articles and links, All Published Books and Book Chapters, All Presentations, All Courses, All Projects, All Editorial, Refereeing and Scientific Committee, Patents / Designs, Academic Grants and Awards, Artistic Activities, All Certificates / Courses / Trainings, Association and Community Memberships,

Ability to hide picture, Ability to show the areas you want, Change of subject, Many comparisons on the dashboard and many other features
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Once your registration has been created, you can edit your information yourself by logging in with your e-mail address and password.

Institutional Registration

Institutions can submit a list of staff scientists, who have not yet been included in the AD Scientific Index, and receive a registration discount. Institutions can also apply for corrections. Scientists listed by the institution will be included in "AD Scientific Index" within 1-7 days after the profile checks. Thus, an institution can examine the total and the last 6 years' h-index and i10 index scores, numbers of citations, and productivity of employee scientists. In the same way, you can observe the accurate ranking of your university in the country, region, and the world, along with any respective progress in total and in the last 6 years. In corporate applications, the fee for individual submissions will be subject to a discount of 10%. As stated in the above article, the individual registration fee ranges from 24 $ to 30 US$ based on the economic status of the country. The institutional registration fee is calculated by multiplying the individual application fee of the relevant country by the number of people in the institution list and applying a 10% discount to the obtained figure. After the calculated amount is deposited into our bank account with the correct IBAN, please send the receipt, the invoice address of your institution, and the complete Excel file filled out with required information to register@adscientificindex.com. The invoice will be sent electronically to the specified institutional invoice address.

Data Policy:

All data here is taken from Google Scholar and the data provided during registration, and no information that has not been made public with the consent of the individual is shared here, except for academic purposes. However, you may send a message to info@adscientificindex.com to have your information removed from here, and your information will be deleted within 6 business days. We do not collect credit card information.

Your comments and contributions

Your comments and contributions regarding our shortcomings will shed light on our continuous improvement efforts.

Table I. Number of scientists in South Korea top 10.000 according to Country

#	Country	Country Region Rank	Country World Rank	Scientists in South Korea Top 10.000	Total Institutions	Total Scientist
1	South Korea	3	14	10000	307	33564

Table II. All Types Institutions in South Korea top 10.000

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Seoul National University	1	2	62	South Korea	Public	1946	950	104	360	613	799
2	Yonsei University	2	14	178	South Korea	Private	1957	641	39	181	373	546
3	Korea Advanced Institute of Science & Technology KAIST	3	20	207	South Korea	Public	1971	510	44	161	309	428
4	Korea University	4	27	251	South Korea	Private	1905	466	25	139	259	392
5	Sungkyunkwan University	5	30	269	South Korea	Private	1398	376	36	132	235	315
6	Hanyang University	6	49	389	South Korea	Private	1939	367	21	88	206	307
7	Kyungpook National University	7	50	394	South Korea	Public	1946	401	18	86	225	333
8	Pohang University of Science & Technology	8	52	407	South Korea	Private	1986	258	29	84	143	208
9	Kyung Hee University	9	79	535	South Korea	Private	1949	274	15	59	147	222
10	University of Ulsan	10	81	541	South Korea	Private	1970	190	16	59	116	165
11	Korea Institute of Science and Technology	11	82	544	South Korea	Institution	1966	261	5	58	126	210
12	Pusan National University	12	91	599	South Korea	Public	1946	237	7	52	125	190
13	Ulsan National Institute of Science & Technology UNIST	13	103	651	South Korea	Public	2007	199	17	46	104	163
14	Chung Ang University	14	128	795	South Korea	Private	1918	164	3	34	83	134

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
15	Chonnam National University	15	129	796	South Korea	Public	1952	129	6	34	81	105
16	Gwangju Institute of Science & Technology	16	134	819	South Korea	Public	1993	117	6	33	69	102
17	Ajou University	17	140	844	South Korea	Private	1973	162	3	31	87	135
18	Chungnam National University	18	141	846	South Korea	Public	1952	168	4	31	81	130
19	Inha University	19	143	848	South Korea	Private	1954	120	6	31	73	107
20	Sejong University	20	155	888	South Korea	Private	1940	126	5	29	79	112
21	Yeungnam University	21	165	927	South Korea	Private	1947	131	4	27	74	102
22	Konkuk University	22	167	931	South Korea	Private	1946	129	4	27	65	102
23	Catholic University of Korea	23	180	981	South Korea	Private	1855	121	6	25	60	98
24	Dongguk University	24	187	1023	South Korea	Private	1906	107	4	23	61	87
25	Ewha Womens University	25	209	1079	South Korea	Private	1886	121	4	21	62	94
26	Jeonbuk National University	26	226	1134	South Korea	Public	1947	119	1	19	57	95
27	Pukyong National University	27	228	1138	South Korea	Public	1924	91	1	19	52	74
28	Gyeongsang National University	28	244	1202	South Korea	Public	1948	88	5	18	38	61
29	Chungbuk National University	29	245	1206	South Korea	Public	1951	71	9	18	36	50
30	Gachon University	30	254	1235	South Korea	Private	1982	102	0	17	48	82

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
31	National Cancer Center, Korea	31	267	1275	South Korea	Institution	2000	38	5	17	24	33
32	Kangwon National University	32	269	1282	South Korea	Public	2021	110	0	16	51	84
33	Sogang University	33	302	1404	South Korea	Private	1960	71	2	14	36	62
34	Institute for Basic Science, Korea	34	310	1437	South Korea	Institution	2011	46	8	14	17	29
35	Daegu Gyeongbuk Institute of Science & Technology	35	312	1445	South Korea	Public	2004	102	2	13	52	84
36	Incheon National University	36	338	1547	South Korea	Public	1979	65	0	12	28	49
37	Jeju National University	37	359	1628	South Korea	Public	1952	55	3	11	28	42
38	University of Seoul	38	362	1638	South Korea	Public	1918	46	2	11	25	39
39	Kwangwoon University	39	381	1713	South Korea	Private	1934	60	2	10	29	49
40	Hallym University	40	412	1797	South Korea	Private	1982	63	0	9	40	53
41	Dankook University	41	413	1800	South Korea	Private	1947	69	1	9	37	54
42	Sookmyung Women's University	42	448	1904	South Korea	Private	1948	28	1	9	14	23
43	Animal and Plant Quarantine Agency	43	452	1921	South Korea	Institution	2011	10	9	9	9	9
44	Korea Research Institute of Bioscience and Biotechnology	44	455	1934	South Korea	Institution	1985	56	3	8	31	44
45	Inje University	45	459	1953	South Korea	Private	1979	44	0	8	25	39
46	Chosun University	46	467	1980	South Korea	Private	1946	45	0	8	21	33

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
47	Soonchunhyang University	47	472	1993	South Korea	Private	1978	42	1	8	19	33
48	Korea Astronomy and Space Science Institute	48	497	2051	South Korea	Institution	1974	21	2	8	12	17
49	Seoul National University of Science & Technology	49	510	2083	South Korea	Public	1969	70	1	7	25	46
50	Kookmin University	50	517	2106	South Korea	Private	1946	48	1	7	20	35
51	Samsung Electronics, South Korea	51	560	2227	South Korea	Company	1969	137	5	7	9	59
52	Korea Institute of Energy Technology	52	620	2414	South Korea	Institution	2017	12	1	6	9	11
53	Dong-A University	53	664	2539	South Korea	Private	1946	14	0	5	14	14
54	Cha University	54	668	2551	South Korea	Private	1996	28	0	5	13	20
55	Korea Institute for Advanced Study	55	716	2659	South Korea	Institution	1996	20	0	5	8	17
56	Korea Research Institute of Chemical Technology	56	737	2718	South Korea	Institution	1976	79	2	4	41	62
57	Changwon National University	57	746	2744	South Korea	Public	1969	36	0	4	19	27
58	Electronics and Telecommunications Research Institute	58	747	2748	South Korea	Institution	1976	62	0	4	17	40
59	Soongsil University	59	757	2766	South Korea	Private	1897	42	1	4	16	31
60	Korea Atomic Energy Research Institute	60	758	2768	South Korea	Institution	1959	35	0	4	16	32
61	Hankuk University of Foreign Studies	61	773	2791	South Korea	Private	1954	30	0	4	14	20
62	Korea Research Institute of Standards and Science	62	778	2803	South Korea	Institution	1975	42	0	4	13	32

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
63	Myongji University	63	786	2824	South Korea	Private	1948	36	0	4	12	25
64	Korea National University of Transportation	64	790	2831	South Korea	Public	1962	25	0	4	12	20
65	Kyonggi University	65	803	2856	South Korea	Private	1947	22	1	4	11	17
66	Sunchon National University	66	814	2878	South Korea	Public	1935	15	0	4	10	10
67	Gangneung-Wonju National University	67	822	2906	South Korea	Public	1905	18	0	4	9	11
68	Hongik University	68	827	2924	South Korea	Private	1946	34	0	4	8	23
69	Korea Food Research Institute	69	853	2992	South Korea	Institution	1987	15	0	4	6	10
70	Korea Basic Science Institute	70	881	3067	South Korea	Institution	1988	40	0	3	17	34
71	Kongju National University	71	891	3090	South Korea	Public	1948	36	0	3	15	28
72	Kunsan National University	72	925	3162	South Korea	Public	1979	25	0	3	11	18
73	Korea Institute of Energy Research	73	930	3173	South Korea	Institution	1979	19	0	3	11	14
74	Keimyung University	74	934	3177	South Korea	Private	1954	19	0	3	11	15
75	Kumoh National Institute of Technology	75	954	3230	South Korea	Public	1979	30	1	3	9	24
76	Korea Institute of Ocean Science and Technology	76	961	3248	South Korea	Institution	2012	19	1	3	9	13
77	Mokpo National University	77	986	3327	South Korea	Public	1946	17	1	3	7	13
78	Catholic Kwandong University	78	1040	3460	South Korea	Private	1954	9	0	3	5	6

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79	Woosuk University	79	1062	3517	South Korea	Private	1979	9	0	3	4	7
80	Jeonju University	80	1082	3576	South Korea	Private	1964	5	0	3	3	3
81	Naver	81	1107	3648	South Korea	Company	1999	23	0	2	12	19
82	Korea Institute of Geoscience and Mineral Resources	82	1142	3736	South Korea	Institution	2014	23	1	2	8	15
83	Chonbuk National University	83	1153	3777	South Korea	Public	1947	24	0	2	7	15
84	LG Electronics	84	1166	3812	South Korea	Company	1947	13	0	2	7	10
85	Wonkwang University	85	1179	3840	South Korea	Private	1953	24	0	2	6	16
86	Korea Institute of Machinery and Materials	86	1181	3847	South Korea	Institution	1976	20	0	2	6	8
87	Korea Polytechnic University	87	1197	3888	South Korea	Private	1998	10	0	2	6	8
88	Korea Institute of Oriental Medicine	88	1211	3934	South Korea	Institution	2015	17	1	2	5	13
89	World Institute of Kimchi	89	1220	3962	South Korea	Institution	2010	11	1	2	5	8
90	Seoul Women's University	90	1229	3987	South Korea	Private	1961	8	0	2	5	7
91	Hyundai Motor Company	91	1242	4027	South Korea	Company	1967	13	0	2	4	9
92	Korea Institute of Ceramic Engineering and Technology	92	1283	4142	South Korea	Institution	2017	18	1	2	3	11
93	Cheongju University	93	1343	4318	South Korea	Private	1946	7	0	2	2	6

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94	Korea Polar Research Institute	94	1390	4437	South Korea	Institution	2004	28	0	1	12	21
95	Rural Development Administration	95	1391	4439	South Korea	Public	1962	54	0	1	11	25
96	Daegu University	96	1397	4457	South Korea	Private	1956	21	1	1	10	17
97	Sangmyung University	97	1417	4508	South Korea	Private	1937	17	0	1	8	11
98	Korea electrotechnology Research Institute (□□□□□□□)	98	1423	4520	South Korea	Institution	2008	10	0	1	8	9
99	Hannam University	99	1476	4643	South Korea	Private	1956	10	0	1	6	10
100	Korea Maritime and Ocean University	100	1495	4690	South Korea	Public	1945	16	0	1	5	8
101	Hankyong National University	101	1496	4698	South Korea	Public	1939	14	0	1	5	11
102	Andong National University	102	1499	4703	South Korea	Public	1947	15	0	1	5	11
103	Hanbat National University	103	1535	4798	South Korea	Public	1927	31	0	1	4	22
104	Korea Institute of Industrial Technology	104	1536	4799	South Korea	Institution	1989	27	0	1	4	19
105	Sun Moon University	105	1617	5010	South Korea	Private	1989	13	0	1	3	9
106	Gyeongnam National University of Science & Technology	106	1689	5162	South Korea	Public	1985	6	0	1	3	5
107	Kyungnam University	107	1709	5198	South Korea	Private	1946	4	0	1	3	3
108	Korea National University of Education	108	1783	5406	South Korea	Public	1984	6	0	1	2	4
109	Kyungil University	109	1807	5445	South Korea	Private	1963	5	0	1	2	4

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
110	Silla University	110	1842	5537	South Korea	Private	1969	4	0	1	2	3
111	SK Telecom	111	1911	5681	South Korea	Company	1984	14	0	1	1	9
112	Hanseo University	112	1994	5860	South Korea	Private	1992	4	0	1	1	2
113	Hoseo University	113	2046	5977	South Korea	Private	1978	2	0	1	1	1
114	IBS Center for Quantum Nanoscience Seoul	114	2054	6002	South Korea	Institution	2017	1	0	1	1	1
115	Kosin University	115	2056	6008	South Korea	Private	1946	2	0	1	1	1
116	Korea National Open University	116	2063	6019	South Korea	Public	2009	2	0	1	1	2
117	Woosong University	117	2068	6027	South Korea	Private	1954	2	0	1	1	2
118	Tech University of Korea	118	2078	6047	South Korea	Private	1997	2	0	1	1	1
119	ILIAS Biologics	119	2137	6153	South Korea	Company	2000	2	0	1	1	2
120	Korea Telecom	120	2155	6195	South Korea	Company	1981	1	0	1	1	1
121	3billion, Inc.	121	2210	6294	South Korea	Company	2000	1	0	1	1	1
122	Korea University of Technology and Education KoreaTech	122	2294	6523	South Korea	Public	1991	16	0	0	6	9
123	Eulji University	123	2308	6567	South Korea	Private	1967	12	0	0	5	7
124	Korea Aerospace University	124	2328	6626	South Korea	Private	1952	14	0	0	4	8
125	Sungshin Women's University	125	2332	6642	South Korea	Private	1936	12	0	0	4	8

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
126	Duksung Women's University	126	2347	6674	South Korea	Private	1950	9	0	0	4	7
127	National Fusion Research Institute	127	2348	6675	South Korea	Institution	2016	8	0	0	4	6
128	Catholic University of Daegu	128	2366	6737	South Korea	Private	1914	16	0	0	3	9
129	Konyang University	129	2391	6807	South Korea	Private	1991	9	0	0	3	9
130	Suwon University	130	2392	6811	South Korea	Private	1977	10	0	0	3	7
131	Daegu Haany University	131	2419	6883	South Korea	Private	1981	5	0	0	3	4
132	Daejeon University	132	2476	7007	South Korea	Private	1979	9	0	0	2	7
133	Handong Global University	133	2511	7102	South Korea	Private	1995	7	0	0	2	5
134	KEPCO	134	2525	7140	South Korea	Company	1982	6	0	0	2	4
135	Dong Eui University	135	2535	7158	South Korea	Private	1976	6	0	0	2	2
136	Sahmyook University	136	2555	7203	South Korea	Private	1906	5	0	0	2	4
137	Kyungsung University	137	2560	7212	South Korea	Private	1955	5	0	0	2	3
138	Dongduk Women's University	138	2625	7358	South Korea	Private	1950	3	0	0	2	2
139	Kimberly-Clark Corporation	139	2659	7438	South Korea	Company	1872	2	0	0	2	2
140	Agency for Defense Development, Korea	140	2713	7568	South Korea	Institution	1970	9	0	0	1	5

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141	Korea Institute of Science and Technology Information	141	2725	7587	South Korea	Institution	1962	6	0	0	1	2
142	Yeungnam University College	142	2752	7676	South Korea	Private	1947	4	0	0	1	2
143	Dongseo University	143	2758	7696	South Korea	Private	1992	6	0	0	1	4
144	Hansung University	144	2806	7824	South Korea	Private	1945	4	0	0	1	3
145	Dongshin University	145	2890	8024	South Korea	Private	1987	4	0	0	1	2
146	Arontier co.	146	2895	8032	South Korea	Company	2018	4	0	0	1	2
147	Korea Military Academy	147	2943	8149	South Korea	Public	1946	3	0	0	1	2
148	Semyung University	148	2959	8178	South Korea	Private	1991	1	0	0	1	1
149	Anyang University	149	2975	8208	South Korea	Private	1948	3	0	0	1	1
150	Daelim College	150	3122	8551	South Korea	Private	1881	2	0	0	1	1
151	Kolon Industries	151	3134	8574	South Korea	Company	1957	2	0	0	1	1
152	Yong-In University	152	3274	8865	South Korea	Private	1953	1	0	0	1	1
153	Kangnam University	153	3304	8920	South Korea	Private	1946	1	0	0	1	1
154	Dongyang University	154	3425	9149	South Korea	Private	1994	1	0	0	1	1
155	Daeduk University	155	3462	9231	South Korea	Private	1980	1	0	0	1	1

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
156	Korea Railroad Research Institute	156	3532	9441	South Korea	Institution	1996	5	0	0	0	4
157	Sangji University	157	3649	9692	South Korea	Private	1974	4	0	0	0	1
158	Tongmyong University	158	3791	10014	South Korea	Private	1977	3	0	0	0	2
159	University of Science & Technology Daejeon	159	3873	10194	South Korea	Public	2003	2	0	0	0	1
160	Korea Aerospace Research Institute	160	3892	10228	South Korea	Institution	1989	2	0	0	0	1
161	Mokpo National Maritime University	161	3955	10365	South Korea	Public	1950	2	0	0	0	0
162	Kakao Brain	162	3991	10439	South Korea	Company	2017	2	0	0	0	0
163	Joongbu University	163	4021	10498	South Korea	Private	1984	2	0	0	0	2
164	Ghent University Global Campus	164	4059	10582	South Korea	Public	1817	2	0	0	0	0
165	Seokyeong University	165	4072	10607	South Korea	Private	1947	2	0	0	0	1
166	POSCO	166	4109	10678	South Korea	Company	1968	2	0	0	0	1
167	Macrogen	167	4159	10782	South Korea	Company	1997	2	0	0	0	1
168	Korea Maritime Institute	168	4185	10855	South Korea	Institution	1984	1	0	0	0	0
169	Amorepacific	169	4341	11196	South Korea	Company	1945	1	0	0	0	1
170	Institut Pasteur Korea	170	4395	11305	South Korea	Institution	2004	1	0	0	0	1
171	Baekseok University	171	4464	11452	South Korea	Private	1994	1	0	0	0	0

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
172	Mokwon University	172	4466	11457	South Korea	Private	1954	1	0	0	0	0
173	Jungwon University	174	4646	11764	South Korea	Private	2009	1	0	0	0	1
174	Cheju Halla University	176	4803	12050	South Korea	Private	1957	1	0	0	0	1
175	Guangju University	177	4842	12123	South Korea	Private	1980	1	0	0	0	0
176	Inha Technical College	179	4906	12235	South Korea	Private	1958	1	0	0	0	0
177	Tomocube	180	4961	12335	South Korea	Company	2016	1	0	0	0	0
178	Graphene Square Inc	181	4970	12363	South Korea	Company	2012	1	0	0	0	1
179	Korean Bible University	182	4989	12408	South Korea	Private	1952	1	0	0	0	0
180	Chinju National University of Education	184	5150	12728	South Korea	Public	1923	1	0	0	0	1
181	Cheongju National University of Education	185	5285	12993	South Korea	Public	1941	1	0	0	0	1
182	Sehan University (Daebul University)	186	5301	13019	South Korea	Private	1994	1	0	0	0	1
183	Gangseo University	187	5345	13102	South Korea	Private	1958	1	0	0	0	1
184	Kwangju Women's University	188	5387	13177	South Korea	Private	1992	1	0	0	0	1
185	Hyupsung University	189	5390	13186	South Korea	Private	1977	1	0	0	0	1
186	International Graduate University for Peace	190	5402	13203	South Korea	Private	1939	1	0	0	0	0
187	Bertis Inc.	191	5425	13259	South Korea	Company	2015	1	0	0	0	1

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
188	ABL Bio	192	5433	13284	South Korea	Company	2016	1	0	0	0	1
189	Shin Ansan University	193	5458	13356	South Korea	Private	1994	1	0	0	0	0
190	Genome Opinion	194	5461	13361	South Korea	Company	2013	1	0	0	0	0
191	Kunjang College	195	5469	13384	South Korea	Private	1993	1	0	0	0	0

Table III. All Universities in South Korea top 10.000

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Seoul National University	1	2	60	South Korea	Public	1946	950	104	360	613	799
2	Yonsei University	2	14	164	South Korea	Private	1957	641	39	181	373	546
3	Korea Advanced Institute of Science & Technology KAIST	3	20	191	South Korea	Public	1971	510	44	161	309	428
4	Korea University	4	27	225	South Korea	Private	1905	466	25	139	259	392
5	Sungkyunkwan University	5	30	242	South Korea	Private	1398	376	36	132	235	315
6	Hanyang University	6	49	351	South Korea	Private	1939	367	21	88	206	307
7	Kyungpook National University	7	50	356	South Korea	Public	1946	401	18	86	225	333
8	Pohang University of Science & Technology	8	52	368	South Korea	Private	1986	258	29	84	143	208
9	Kyung Hee University	9	78	477	South Korea	Private	1949	274	15	59	147	222
10	University of Ulsan	10	80	482	South Korea	Private	1970	190	16	59	116	165
11	Pusan National University	11	89	530	South Korea	Public	1946	237	7	52	125	190
12	Ulsan National Institute of Science & Technology UNIST	12	100	571	South Korea	Public	2007	199	17	46	104	163

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
13	Chung Ang University	13	121	676	South Korea	Private	1918	164	3	34	83	134
14	Chonnam National University	14	122	677	South Korea	Public	1952	129	6	34	81	105
15	Gwangju Institute of Science & Technology	15	128	694	South Korea	Public	1993	117	6	33	69	102
16	Ajou University	16	133	709	South Korea	Private	1973	162	3	31	87	135
17	Chungnam National University	17	134	711	South Korea	Public	1952	168	4	31	81	130
18	Inha University	18	136	713	South Korea	Private	1954	120	6	31	73	107
19	Sejong University	19	146	736	South Korea	Private	1940	126	5	29	79	112
20	Yeungnam University	20	156	765	South Korea	Private	1947	131	4	27	74	102
21	Konkuk University	21	158	769	South Korea	Private	1946	129	4	27	65	102
22	Catholic University of Korea	22	168	803	South Korea	Private	1855	121	6	25	60	98
23	Dongguk University	23	172	831	South Korea	Private	1906	107	4	23	61	87
24	Ewha Womens University	24	191	869	South Korea	Private	1886	121	4	21	62	94
25	Jeonbuk National University	25	201	903	South Korea	Public	1947	119	1	19	57	95
26	Pukyong National University	26	202	906	South Korea	Public	1924	91	1	19	52	74

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
27	Gyeongsang National University	27	214	946	South Korea	Public	1948	88	5	18	38	61
28	Chungbuk National University	28	215	947	South Korea	Public	1951	71	9	18	36	50
29	Gachon University	29	221	963	South Korea	Private	1982	102	0	17	48	82
30	Kangwon National University	30	234	997	South Korea	Public	2021	110	0	16	51	84
31	Sogang University	31	260	1068	South Korea	Private	1960	71	2	14	36	62
32	Daegu Gyeongbuk Institute of Science & Technology	32	265	1082	South Korea	Public	2004	102	2	13	52	84
33	Incheon National University	33	286	1153	South Korea	Public	1979	65	0	12	28	49
34	Jeju National University	34	300	1189	South Korea	Public	1952	55	3	11	28	42
35	University of Seoul	35	303	1196	South Korea	Public	1918	46	2	11	25	39
36	Kwangwoon University	36	319	1238	South Korea	Private	1934	60	2	10	29	49
37	Hallym University	37	343	1287	South Korea	Private	1982	63	0	9	40	53
38	Dankook University	38	344	1289	South Korea	Private	1947	69	1	9	37	54
39	Sookmyung Women's University	39	372	1360	South Korea	Private	1948	28	1	9	14	23
40	Inje University	40	380	1388	South Korea	Private	1979	44	0	8	25	39

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
41	Chosun University	41	386	1407	South Korea	Private	1946	45	0	8	21	33
42	Soonchunhyang University	42	391	1418	South Korea	Private	1978	42	1	8	19	33
43	Seoul National University of Science & Technology	43	422	1475	South Korea	Public	1969	70	1	7	25	46
44	Kookmin University	44	427	1490	South Korea	Private	1946	48	1	7	20	35
45	Dong-A University	45	517	1724	South Korea	Private	1946	14	0	5	14	14
46	Cha University	46	521	1733	South Korea	Private	1996	28	0	5	13	20
47	Changwon National University	47	572	1835	South Korea	Public	1969	36	0	4	19	27
48	Soongsil University	48	580	1850	South Korea	Private	1897	42	1	4	16	31
49	Hankuk University of Foreign Studies	49	592	1868	South Korea	Private	1954	30	0	4	14	20
50	Myongji University	50	603	1891	South Korea	Private	1948	36	0	4	12	25
51	Korea National University of Transportation	51	607	1898	South Korea	Public	1962	25	0	4	12	20
52	Kyonggi University	52	617	1917	South Korea	Private	1947	22	1	4	11	17
53	Sunchon National University	53	623	1932	South Korea	Public	1935	15	0	4	10	10

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
54	Gangneung-Wonju National University	54	629	1951	South Korea	Public	1905	18	0	4	9	11
55	Hongik University	55	634	1960	South Korea	Private	1946	34	0	4	8	23
56	Kongju National University	56	676	2055	South Korea	Public	1948	36	0	3	15	28
57	Kunsan National University	57	703	2104	South Korea	Public	1979	25	0	3	11	18
58	Keimyung University	58	710	2115	South Korea	Private	1954	19	0	3	11	15
59	Kumoh National Institute of Technology	59	725	2148	South Korea	Public	1979	30	1	3	9	24
60	Mokpo National University	60	751	2215	South Korea	Public	1946	17	1	3	7	13
61	Catholic Kwandong University	61	789	2284	South Korea	Private	1954	9	0	3	5	6
62	Woosuk University	62	802	2315	South Korea	Private	1979	9	0	3	4	7
63	Jeonju University	63	816	2341	South Korea	Private	1964	5	0	3	3	3
64	Chonbuk National University	64	876	2495	South Korea	Public	1947	24	0	2	7	15
65	Wonkwang University	65	897	2540	South Korea	Private	1953	24	0	2	6	16
66	Korea Polytechnic University	66	911	2577	South Korea	Private	1998	10	0	2	6	8
67	Seoul Women's University	67	931	2639	South Korea	Private	1961	8	0	2	5	7

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
68	Cheongju University	68	1015	2846	South Korea	Private	1946	7	0	2	2	6
69	Rural Development Administration	69	1052	2912	South Korea	Public	1962	54	0	1	11	25
70	Daegu University	70	1057	2926	South Korea	Private	1956	21	1	1	10	17
71	Sangmyung University	71	1073	2961	South Korea	Private	1937	17	0	1	8	11
72	Hannam University	72	1123	3058	South Korea	Private	1956	10	0	1	6	10
73	Korea Maritime and Ocean University	73	1139	3094	South Korea	Public	1945	16	0	1	5	8
74	Hankyong National University	74	1140	3101	South Korea	Public	1939	14	0	1	5	11
75	Andong National University	75	1143	3106	South Korea	Public	1947	15	0	1	5	11
76	Hanbat National University	76	1168	3159	South Korea	Public	1927	31	0	1	4	22
77	Sun Moon University	77	1225	3300	South Korea	Private	1989	13	0	1	3	9
78	Gyeongnam National University of Science & Technology	78	1285	3413	South Korea	Public	1985	6	0	1	3	5
79	Kyungnam University	79	1300	3435	South Korea	Private	1946	4	0	1	3	3
80	Korea National University of Education	80	1356	3586	South Korea	Public	1984	6	0	1	2	4

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
81	Kyungil University	81	1374	3615	South Korea	Private	1963	5	0	1	2	4
82	Silla University	82	1405	3675	South Korea	Private	1969	4	0	1	2	3
83	Hanseo University	83	1521	3896	South Korea	Private	1992	4	0	1	1	2
84	Hoseo University	84	1566	3975	South Korea	Private	1978	2	0	1	1	1
85	Kosin University	85	1575	4001	South Korea	Private	1946	2	0	1	1	1
86	Korea National Open University	86	1581	4009	South Korea	Public	2009	2	0	1	1	2
87	Woosong University	87	1585	4016	South Korea	Private	1954	2	0	1	1	2
88	Tech University of Korea	88	1595	4032	South Korea	Private	1997	2	0	1	1	1
89	Korea University of Technology and Education KoreaTech	89	1773	4347	South Korea	Public	1991	16	0	0	6	9
90	Eulji University	90	1786	4381	South Korea	Private	1967	12	0	0	5	7
91	Korea Aerospace University	91	1802	4423	South Korea	Private	1952	14	0	0	4	8
92	Sungshin Women's University	92	1806	4433	South Korea	Private	1936	12	0	0	4	8
93	Duksung Women's University	93	1818	4458	South Korea	Private	1950	9	0	0	4	7
94	Catholic University of Daegu	94	1833	4498	South Korea	Private	1914	16	0	0	3	9

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
95	Konyang University	95	1851	4547	South Korea	Private	1991	9	0	0	3	9
96	Suwon University	96	1852	4550	South Korea	Private	1977	10	0	0	3	7
97	Daegu Haany University	97	1874	4593	South Korea	Private	1981	5	0	0	3	4
98	Daejeon University	98	1921	4689	South Korea	Private	1979	9	0	0	2	7
99	Handong Global University	99	1953	4767	South Korea	Private	1995	7	0	0	2	5
100	Dong Eui University	100	1973	4810	South Korea	Private	1976	6	0	0	2	2
101	Sahmyook University	101	1988	4845	South Korea	Private	1906	5	0	0	2	4
102	Kyungsung University	102	1991	4849	South Korea	Private	1955	5	0	0	2	3
103	Dongduk Women's University	103	2044	4948	South Korea	Private	1950	3	0	0	2	2
104	Yeungnam University College	104	2151	5191	South Korea	Private	1947	4	0	0	1	2
105	Dongseo University	105	2156	5207	South Korea	Private	1992	6	0	0	1	4
106	Hansung University	106	2199	5311	South Korea	Private	1945	4	0	0	1	3
107	Dongshin University	107	2272	5472	South Korea	Private	1987	4	0	0	1	2
108	Korea Military Academy	108	2319	5563	South Korea	Public	1946	3	0	0	1	2

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
109	Semyung University	109	2335	5589	South Korea	Private	1991	1	0	0	1	1
110	Anyang University	110	2348	5612	South Korea	Private	1948	3	0	0	1	1
111	Daelim College	111	2477	5869	South Korea	Private	1881	2	0	0	1	1
112	Yong-In University	112	2604	6096	South Korea	Private	1953	1	0	0	1	1
113	Kangnam University	113	2630	6136	South Korea	Private	1946	1	0	0	1	1
114	Dongyang University	114	2736	6319	South Korea	Private	1994	1	0	0	1	1
115	Daeduk University	115	2767	6371	South Korea	Private	1980	1	0	0	1	1
116	Sangji University	116	2927	6712	South Korea	Private	1974	4	0	0	0	1
117	Tongmyong University	117	3060	6978	South Korea	Private	1977	3	0	0	0	2
118	University of Science & Technology Daejeon	118	3135	7113	South Korea	Public	2003	2	0	0	0	1
119	Mokpo National Maritime University	119	3209	7263	South Korea	Public	1950	2	0	0	0	0
120	Joongbu University	120	3272	7372	South Korea	Private	1984	2	0	0	0	2
121	Ghent University Global Campus	121	3302	7441	South Korea	Public	1817	2	0	0	0	0
122	Seokyeong University	122	3313	7463	South Korea	Private	1947	2	0	0	0	1

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
123	Baekseok University	123	3658	8132	South Korea	Private	1994	1	0	0	0	0
124	Mokwon University	124	3660	8137	South Korea	Private	1954	1	0	0	0	0
125	Jungwon University	126	3829	8398	South Korea	Private	2009	1	0	0	0	1
126	Cheju Halla University	127	3975	8627	South Korea	Private	1957	1	0	0	0	1
127	Guangju University	128	4007	8690	South Korea	Private	1980	1	0	0	0	0
128	Inha Technical College	130	4067	8786	South Korea	Private	1958	1	0	0	0	0
129	Korean Bible University	131	4133	8914	South Korea	Private	1952	1	0	0	0	0
130	Chinju National University of Education	132	4280	9167	South Korea	Public	1923	1	0	0	0	1
131	Cheongju National University of Education	133	4406	9402	South Korea	Public	1941	1	0	0	0	1
132	Sehan University (Daebul University)	134	4416	9418	South Korea	Private	1994	1	0	0	0	1
133	Gangseo University	135	4449	9475	South Korea	Private	1958	1	0	0	0	1
134	Kwangju Women's University	136	4488	9546	South Korea	Private	1992	1	0	0	0	1
135	Hyupsung University	137	4490	9553	South Korea	Private	1977	1	0	0	0	1

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
136	International Graduate University for Peace	138	4500	9564	South Korea	Private	1939	1	0	0	0	0
137	Shin Ansan University	139	4536	9633	South Korea	Private	1994	1	0	0	0	0
138	Kunjang College	140	4540	9641	South Korea	Private	1993	1	0	0	0	0

Table IV. Public Universities in South Korea top 10.000

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Seoul National University	1	2	47	South Korea	1946	950	104	360	613	799
2	Korea Advanced Institute of Science & Technology KAIST	2	19	165	South Korea	1971	510	44	161	309	428
3	Kyungpook National University	3	46	311	South Korea	1946	401	18	86	225	333
4	Pusan National University	4	80	471	South Korea	1946	237	7	52	125	190
5	Ulsan National Institute of Science & Technology UNIST	5	89	507	South Korea	2007	199	17	46	104	163
6	Chonnam National University	6	108	603	South Korea	1952	129	6	34	81	105
7	Gwangju Institute of Science & Technology	7	113	617	South Korea	1993	117	6	33	69	102
8	Chungnam National University	8	118	632	South Korea	1952	168	4	31	81	130
9	Jeonbuk National University	9	167	786	South Korea	1947	119	1	19	57	95
10	Pukyong National University	10	168	788	South Korea	1924	91	1	19	52	74
11	Gyeongsang National University	11	180	824	South Korea	1948	88	5	18	38	61
12	Chungbuk National University	12	181	825	South Korea	1951	71	9	18	36	50
13	Kangwon National University	13	198	870	South Korea	2021	110	0	16	51	84
14	Daegu Gyeongbuk Institute of Science & Technology	14	224	941	South Korea	2004	102	2	13	52	84
15	Incheon National University	15	242	1000	South Korea	1979	65	0	12	28	49
16	Jeju National University	16	253	1030	South Korea	1952	55	3	11	28	42
17	University of Seoul	17	256	1036	South Korea	1918	46	2	11	25	39
18	Seoul National University of Science & Technology	18	345	1250	South Korea	1969	70	1	7	25	46
19	Changwon National University	19	463	1528	South Korea	1969	36	0	4	19	27

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
20	Korea National University of Transportation	20	486	1576	South Korea	1962	25	0	4	12	20
21	Sunchon National University	21	497	1601	South Korea	1935	15	0	4	10	10
22	Gangneung-Wonju National University	22	502	1614	South Korea	1905	18	0	4	9	11
23	Kongju National University	23	537	1686	South Korea	1948	36	0	3	15	28
24	Kunsan National University	24	559	1727	South Korea	1979	25	0	3	11	18
25	Kumoh National Institute of Technology	25	574	1758	South Korea	1979	30	1	3	9	24
26	Mokpo National University	26	591	1808	South Korea	1946	17	1	3	7	13
27	Chonbuk National University	27	678	2008	South Korea	1947	24	0	2	7	15
28	Rural Development Administration	28	785	2269	South Korea	1962	54	0	1	11	25
29	Korea Maritime and Ocean University	29	845	2399	South Korea	1945	16	0	1	5	8
30	Hankyong National University	30	846	2403	South Korea	1939	14	0	1	5	11
31	Andong National University	31	849	2408	South Korea	1947	15	0	1	5	11
32	Hanbat National University	32	870	2449	South Korea	1927	31	0	1	4	22
33	Gyeongnam National University of Science & Technology	33	946	2621	South Korea	1985	6	0	1	3	5
34	Korea National University of Education	34	989	2730	South Korea	1984	6	0	1	2	4
35	Korea National Open University	35	1109	2969	South Korea	2009	2	0	1	1	2
36	Korea University of Technology and Education KoreaTech	36	1192	3143	South Korea	1991	16	0	0	6	9
37	Korea Military Academy	37	1509	3912	South Korea	1946	3	0	0	1	2

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
38	University of Science & Technology Daejeon	38	1882	4721	South Korea	2003	2	0	0	0	1
39	Mokpo National Maritime University	39	1917	4804	South Korea	1950	2	0	0	0	0
40	Ghent University Global Campus	40	1962	4892	South Korea	1817	2	0	0	0	0
41	Chinju National University of Education	41	2418	5783	South Korea	1923	1	0	0	0	1
42	Cheongju National University of Education	42	2464	5887	South Korea	1941	1	0	0	0	1

Table V. Private Universities in South Korea top 10.000

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Yonsei University	1	1	25	South Korea	1957	641	39	181	373	546
2	Korea University	2	2	31	South Korea	1905	466	25	139	259	392
3	Sungkyunkwan University	3	3	34	South Korea	1398	376	36	132	235	315
4	Hanyang University	4	4	44	South Korea	1939	367	21	88	206	307
5	Pohang University of Science & Technology	5	5	46	South Korea	1986	258	29	84	143	208
6	Kyung Hee University	6	8	55	South Korea	1949	274	15	59	147	222
7	University of Ulsan	7	9	56	South Korea	1970	190	16	59	116	165
8	Chung Ang University	8	14	74	South Korea	1918	164	3	34	83	134
9	Ajou University	9	16	78	South Korea	1973	162	3	31	87	135
10	Inha University	10	17	80	South Korea	1954	120	6	31	73	107
11	Sejong University	11	19	85	South Korea	1940	126	5	29	79	112
12	Yeungnam University	12	21	88	South Korea	1947	131	4	27	74	102
13	Konkuk University	13	22	90	South Korea	1946	129	4	27	65	102
14	Catholic University of Korea	14	24	94	South Korea	1855	121	6	25	60	98
15	Dongguk University	15	26	101	South Korea	1906	107	4	23	61	87
16	Ewha Womens University	16	31	110	South Korea	1886	121	4	21	62	94
17	Gachon University	17	36	127	South Korea	1982	102	0	17	48	82
18	Sogang University	18	41	140	South Korea	1960	71	2	14	36	62
19	Kwangwoon University	19	49	168	South Korea	1934	60	2	10	29	49
20	Hallym University	20	54	180	South Korea	1982	63	0	9	40	53
21	Dankook University	21	55	181	South Korea	1947	69	1	9	37	54
22	Sookmyung Women's University	22	64	201	South Korea	1948	28	1	9	14	23
23	Inje University	23	66	203	South Korea	1979	44	0	8	25	39

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
24	Chosun University	24	67	205	South Korea	1946	45	0	8	21	33
25	Soonchunhyang University	25	70	210	South Korea	1978	42	1	8	19	33
26	Kookmin University	26	78	227	South Korea	1946	48	1	7	20	35
27	Dong-A University	27	100	284	South Korea	1946	14	0	5	14	14
28	Cha University	28	101	286	South Korea	1996	28	0	5	13	20
29	Soongsil University	29	111	310	South Korea	1897	42	1	4	16	31
30	Hankuk University of Foreign Studies	30	116	315	South Korea	1954	30	0	4	14	20
31	Myongji University	31	120	321	South Korea	1948	36	0	4	12	25
32	Kyonggi University	32	125	327	South Korea	1947	22	1	4	11	17
33	Hongik University	33	129	340	South Korea	1946	34	0	4	8	23
34	Keimyung University	34	146	379	South Korea	1954	19	0	3	11	15
35	Catholic Kwandong University	35	171	430	South Korea	1954	9	0	3	5	6
36	Woosuk University	36	178	442	South Korea	1979	9	0	3	4	7
37	Jeonju University	37	185	455	South Korea	1964	5	0	3	3	3
38	Wonkwang University	38	204	504	South Korea	1953	24	0	2	6	16
39	Korea Polytechnic University	39	209	518	South Korea	1998	10	0	2	6	8
40	Seoul Women's University	40	215	541	South Korea	1961	8	0	2	5	7
41	Cheongju University	41	247	612	South Korea	1946	7	0	2	2	6
42	Daegu University	42	268	646	South Korea	1956	21	1	1	10	17
43	Sangmyung University	43	271	654	South Korea	1937	17	0	1	8	11
44	Hannam University	44	288	684	South Korea	1956	10	0	1	6	10
45	Sun Moon University	45	314	753	South Korea	1989	13	0	1	3	9
46	Kyungnam University	46	346	802	South Korea	1946	4	0	1	3	3
47	Kyungil University	47	377	870	South Korea	1963	5	0	1	2	4
48	Silla University	48	388	898	South Korea	1969	4	0	1	2	3

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
49	Hanseo University	49	440	990	South Korea	1992	4	0	1	1	2
50	Hoseo University	50	464	1024	South Korea	1978	2	0	1	1	1
51	Kosin University	51	469	1037	South Korea	1946	2	0	1	1	1
52	Woosong University	52	475	1045	South Korea	1954	2	0	1	1	2
53	Tech University of Korea	53	481	1053	South Korea	1997	2	0	1	1	1
54	Eulji University	54	586	1216	South Korea	1967	12	0	0	5	7
55	Korea Aerospace University	55	592	1227	South Korea	1952	14	0	0	4	8
56	Sungshin Women's University	56	593	1230	South Korea	1936	12	0	0	4	8
57	Duksung Women's University	57	596	1236	South Korea	1950	9	0	0	4	7
58	Catholic University of Daegu	58	601	1247	South Korea	1914	16	0	0	3	9
59	Konyang University	59	608	1267	South Korea	1991	9	0	0	3	9
60	Suwon University	60	609	1269	South Korea	1977	10	0	0	3	7
61	Daegu Haany University	61	617	1281	South Korea	1981	5	0	0	3	4
62	Daejeon University	62	638	1316	South Korea	1979	9	0	0	2	7
63	Handong Global University	63	652	1344	South Korea	1995	7	0	0	2	5
64	Dong Eui University	64	663	1364	South Korea	1976	6	0	0	2	2
65	Sahmyook University	65	666	1376	South Korea	1906	5	0	0	2	4
66	Kyungsung University	66	668	1378	South Korea	1955	5	0	0	2	3
67	Dongduk Women's University	67	690	1421	South Korea	1950	3	0	0	2	2
68	Yeungnam University College	68	739	1516	South Korea	1947	4	0	0	1	2
69	Dongseo University	69	741	1522	South Korea	1992	6	0	0	1	4
70	Hansung University	70	756	1551	South Korea	1945	4	0	0	1	3

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
71	Dongshin University	71	792	1616	South Korea	1987	4	0	0	1	2
72	Semyung University	72	821	1666	South Korea	1991	1	0	0	1	1
73	Anyang University	73	827	1677	South Korea	1948	3	0	0	1	1
74	Daelim College	74	898	1799	South Korea	1881	2	0	0	1	1
75	Yong-In University	75	977	1925	South Korea	1953	1	0	0	1	1
76	Kangnam University	76	993	1951	South Korea	1946	1	0	0	1	1
77	Dongyang University	77	1062	2065	South Korea	1994	1	0	0	1	1
78	Daeduk University	78	1084	2098	South Korea	1980	1	0	0	1	1
79	Sangji University	79	1154	2217	South Korea	1974	4	0	0	0	1
80	Tongmyong University	80	1227	2342	South Korea	1977	3	0	0	0	2
81	Joongbu University	81	1322	2512	South Korea	1984	2	0	0	0	2
82	Seokyeong University	82	1349	2562	South Korea	1947	2	0	0	0	1
83	Baekseok University	83	1530	2861	South Korea	1994	1	0	0	0	0
84	Mokwon University	84	1532	2865	South Korea	1954	1	0	0	0	0
85	Jungwon University	86	1612	2984	South Korea	2009	1	0	0	0	1
86	Cheju Halla University	87	1693	3092	South Korea	1957	1	0	0	0	1
87	Guangju University	88	1708	3124	South Korea	1980	1	0	0	0	0
88	Inha Technical College	90	1743	3176	South Korea	1958	1	0	0	0	0
89	Korean Bible University	91	1780	3247	South Korea	1952	1	0	0	0	0
90	Sehan University (Daebul University)	92	1947	3522	South Korea	1994	1	0	0	0	1
91	Gangseo University	93	1963	3553	South Korea	1958	1	0	0	0	1
92	Kwangju Women's University	94	1985	3595	South Korea	1992	1	0	0	0	1
93	Hyupsung University	95	1986	3598	South Korea	1977	1	0	0	0	1
94	International Graduate University for Peace	96	1991	3603	South Korea	1939	1	0	0	0	0
95	Shin Ansan University	97	2010	3637	South Korea	1994	1	0	0	0	0

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
96	Kunjang College	98	2011	3639	South Korea	1993	1	0	0	0	0

Table VI. Young Universities in South Korea Top 10.000

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Pohang University of Science & Technology	8	52	368	South Korea	1986	258	29	84	143	208
2	Ulsan National Institute of Science & Technology UNIST	12	100	571	South Korea	2007	199	17	46	104	163
3	Gwangju Institute of Science & Technology	15	128	694	South Korea	1993	117	6	33	69	102
4	Gachon University	29	221	963	South Korea	1982	102	0	17	48	82
5	Kangwon National University	30	234	997	South Korea	2021	110	0	16	51	84
6	Daegu Gyeongbuk Institute of Science & Technology	32	265	1082	South Korea	2004	102	2	13	52	84
7	Incheon National University	33	286	1153	South Korea	1979	65	0	12	28	49
8	Hallym University	37	343	1287	South Korea	1982	63	0	9	40	53
9	Inje University	40	380	1388	South Korea	1979	44	0	8	25	39
10	Soonchunhyang University	42	391	1418	South Korea	1978	42	1	8	19	33
11	Cha University	46	521	1733	South Korea	1996	28	0	5	13	20
12	Kunsan National University	57	703	2104	South Korea	1979	25	0	3	11	18
13	Kumoh National Institute of Technology	59	725	2148	South Korea	1979	30	1	3	9	24
14	Woosuk University	62	802	2315	South Korea	1979	9	0	3	4	7
15	Korea Polytechnic University	66	911	2577	South Korea	1998	10	0	2	6	8
16	Sun Moon University	77	1225	3300	South Korea	1989	13	0	1	3	9
17	Gyeongnam National University of Science & Technology	78	1285	3413	South Korea	1985	6	0	1	3	5

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
18	Korea National University of Education	80	1356	3586	South Korea	1984	6	0	1	2	4
19	Hanseo University	83	1521	3896	South Korea	1992	4	0	1	1	2
20	Hoseo University	84	1566	3975	South Korea	1978	2	0	1	1	1
21	Korea National Open University	86	1581	4009	South Korea	2009	2	0	1	1	2
22	Tech University of Korea	88	1595	4032	South Korea	1997	2	0	1	1	1
23	Korea University of Technology and Education KoreaTech	89	1773	4347	South Korea	1991	16	0	0	6	9
24	Konyang University	95	1851	4547	South Korea	1991	9	0	0	3	9
25	Suwon University	96	1852	4550	South Korea	1977	10	0	0	3	7
26	Daegu Haany University	97	1874	4593	South Korea	1981	5	0	0	3	4
27	Daejeon University	98	1921	4689	South Korea	1979	9	0	0	2	7
28	Handong Global University	99	1953	4767	South Korea	1995	7	0	0	2	5
29	Dong Eui University	100	1973	4810	South Korea	1976	6	0	0	2	2
30	Dongseo University	105	2156	5207	South Korea	1992	6	0	0	1	4
31	Dongshin University	107	2272	5472	South Korea	1987	4	0	0	1	2
32	Semyung University	109	2335	5589	South Korea	1991	1	0	0	1	1
33	Dongyang University	114	2736	6319	South Korea	1994	1	0	0	1	1
34	Daeduk University	115	2767	6371	South Korea	1980	1	0	0	1	1
35	Sangji University	116	2927	6712	South Korea	1974	4	0	0	0	1
36	Tongmyong University	117	3060	6978	South Korea	1977	3	0	0	0	2
37	University of Science & Technology Daejeon	118	3135	7113	South Korea	2003	2	0	0	0	1
38	Joongbu University	120	3272	7372	South Korea	1984	2	0	0	0	2
39	Baekseok University	123	3658	8132	South Korea	1994	1	0	0	0	0
40	Jungwon University	126	3829	8398	South Korea	2009	1	0	0	0	1

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
41	Guangju University	128	4007	8690	South Korea	1980	1	0	0	0	0
42	Sehan University (Daebul University)	134	4416	9418	South Korea	1994	1	0	0	0	1
43	Kwangju Women's University	136	4488	9546	South Korea	1992	1	0	0	0	1
44	Hyupsung University	137	4490	9553	South Korea	1977	1	0	0	0	1
45	Shin Ansan University	139	4536	9633	South Korea	1994	1	0	0	0	0
46	Kunjang College	140	4540	9641	South Korea	1993	1	0	0	0	0

Table VII. Institutions in South Korea top 10.000

#	Institution	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Korea Institute of Science and Technology	1	2	47	South Korea	1966	261	5	58	126	210
2	National Cancer Center, Korea	2	32	231	South Korea	2000	38	5	17	24	33
3	Institute for Basic Science, Korea	3	42	294	South Korea	2011	46	8	14	17	29
4	Animal and Plant Quarantine Agency	4	72	469	South Korea	2011	10	9	9	9	9
5	Korea Research Institute of Bioscience and Biotechnology	5	73	473	South Korea	1985	56	3	8	31	44
6	Korea Astronomy and Space Science Institute	6	78	502	South Korea	1974	21	2	8	12	17
7	Korea Institute of Energy Technology	7	125	654	South Korea	2017	12	1	6	9	11
8	Korea Institute for Advanced Study	8	145	721	South Korea	1996	20	0	5	8	17
9	Korea Research Institute of Chemical Technology	9	154	755	South Korea	1976	79	2	4	41	62
10	Electronics and Telecommunications Research Institute	10	156	761	South Korea	1976	62	0	4	17	40
11	Korea Atomic Energy Research Institute	11	159	766	South Korea	1959	35	0	4	16	32
12	Korea Research Institute of Standards and Science	12	163	773	South Korea	1975	42	0	4	13	32
13	Korea Food Research Institute	13	182	828	South Korea	1987	15	0	4	6	10

#	Institution	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
14	Korea Basic Science Institute	14	188	858	South Korea	1988	40	0	3	17	34
15	Korea Institute of Energy Research	15	196	884	South Korea	1979	19	0	3	11	14
16	Korea Institute of Ocean Science and Technology	16	204	908	South Korea	2012	19	1	3	9	13
17	Korea Institute of Geoscience and Mineral Resources	17	243	1050	South Korea	2014	23	1	2	8	15
18	Korea Institute of Machinery and Materials	18	249	1071	South Korea	1976	20	0	2	6	8
19	Korea Institute of Oriental Medicine	19	254	1089	South Korea	2015	17	1	2	5	13
20	World Institute of Kimchi	20	258	1096	South Korea	2010	11	1	2	5	8
21	Korea Institute of Ceramic Engineering and Technology	21	272	1153	South Korea	2017	18	1	2	3	11
22	Korea Polar Research Institute	22	293	1232	South Korea	2004	28	0	1	12	21
23	Korea electrotechnology Research Institute (□□□□□□□)	23	299	1250	South Korea	2008	10	0	1	8	9
24	Korea Institute of Industrial Technology	24	317	1310	South Korea	1989	27	0	1	4	19
25	IBS Center for Quantum Nanoscience Seoul	25	405	1551	South Korea	2017	1	0	1	1	1
26	National Fusion Research Institute	26	435	1653	South Korea	2016	8	0	0	4	6
27	Agency for Defense Development, Korea	27	482	1805	South Korea	1970	9	0	0	1	5

#	Institution	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
28	Korea Institute of Science and Technology Information	28	483	1806	South Korea	1962	6	0	0	1	2
29	Korea Railroad Research Institute	29	552	2025	South Korea	1996	5	0	0	0	4
30	Korea Aerospace Research Institute	30	578	2105	South Korea	1989	2	0	0	0	1
31	Korea Maritime Institute	31	600	2169	South Korea	1984	1	0	0	0	0
32	Institut Pasteur Korea	32	612	2206	South Korea	2004	1	0	0	0	1

Table VIII. Companies in South Korea top 10.000

#	Company	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Samsung Electronics, South Korea	1	6	63	South Korea	1969	137	5	7	9	59
2	Naver	2	19	140	South Korea	1999	23	0	2	12	19
3	LG Electronics	3	20	149	South Korea	1947	13	0	2	7	10
4	Hyundai Motor Company	4	22	161	South Korea	1967	13	0	2	4	9
5	SK Telecom	5	43	307	South Korea	1984	14	0	1	1	9
6	ILIAS Biologics	6	53	355	South Korea	2000	2	0	1	1	2
7	Korea Telecom	7	55	363	South Korea	1981	1	0	1	1	1
8	3billion, Inc.	8	58	370	South Korea	2000	1	0	1	1	1
9	KEPCO	9	68	462	South Korea	1982	6	0	0	2	4
10	Kimberly-Clark Corporation	10	72	500	South Korea	1872	2	0	0	2	2
11	Arontier co.	11	79	548	South Korea	2018	4	0	0	1	2
12	Kolon Industries	12	86	606	South Korea	1957	2	0	0	1	1
13	Kakao Brain	13	122	820	South Korea	2017	2	0	0	0	0
14	POSCO	14	128	839	South Korea	1968	2	0	0	0	1
15	Macrogen	15	130	846	South Korea	1997	2	0	0	0	1
16	Amorepacific	16	138	895	South Korea	1945	1	0	0	0	1
17	Tomocube	18	148	973	South Korea	2016	1	0	0	0	0
18	Graphene Square Inc	19	150	979	South Korea	2012	1	0	0	0	1
19	Bertis Inc.	21	173	1070	South Korea	2015	1	0	0	0	1
20	ABL Bio	22	174	1079	South Korea	2016	1	0	0	0	1
21	Genome Opinion	23	180	1110	South Korea	2013	1	0	0	0	0

Table IX. Hospitals in South Korea top 10.000

#	Hospital	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in South Korea Top 10.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%