AD Scientific Index

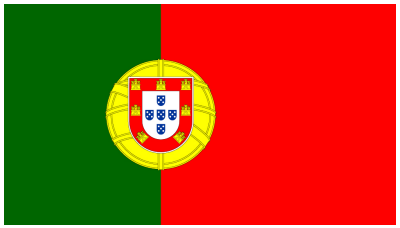
Rankings for Scientist

University, Subject, Country, Region, World

Portugal

Top 5000 Scientists

AD Scientific Index 2024



March 09 2024

Portugal Top 5000 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
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 35 US Dollars, and from other countries 29 US Dollars
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 Portugal top 5.000 according to Country

#	Country	Country Region Rank	Country World Rank	Scientists in Portugal Top 5.000	Total Institutions	Total Scientist
1	Portugal	18	34	5000	96	6129

Table II. All Types Institutions in Portugal top 5.000

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Universidade de Lisboa	1	141	353	Portugal	Public	1911	789	29	97	236	357
2	Universidade do Minho	2	149	376	Portugal	Public	1973	737	18	92	221	355
3	Universidade Nova de Lisboa	3	211	518	Portugal	Public	1973	143	13	62	78	79
4	Universidade do Porto	4	393	926	Portugal	Public	1911	300	15	28	33	40
5	Universidade de Coimbra	5	487	1169	Portugal	Public	1290	122	7	19	30	39
6	Universidade da Beira Interior	6	508	1233	Portugal	Public	1986	189	3	17	50	74
7	Universidade de Aveiro	7	531	1276	Portugal	Public	1973	230	7	17	23	28
8	Instituto Português do Mar e da Atmosfera, IPMA	8	660	1553	Portugal	Institution	2012	87	1	12	27	39
9	Universidade do Algarve	9	742	1745	Portugal	Public	1979	134	2	10	22	29
10	Universidade Católica Portuguesa	10	743	1750	Portugal	Private	1971	86	4	10	21	33
11	Instituto Politécnico de Bragança	11	746	1759	Portugal	Institution	1983	69	2	10	20	28
12	Instituto Politécnico do Porto	12	813	1927	Portugal	Institution	1985	183	3	8	35	54
13	Instituto Superior de Psicologia Aplicada	13	919	2195	Portugal	Public	1986	55	2	7	11	18
14	Instituto Gulbenkian de Ciencia	14	1062	2547	Portugal	Institution	1961	64	1	5	13	21
15	Universidade da Madeira	15	1133	2731	Portugal	Public	1988	86	0	4	21	29

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
16	ISCTE Instituto Universitário de Lisboa	16	1139	2746	Portugal	Institution	1972	101	0	4	18	29
17	Fundaçao Champalimaud	17	1170	2870	Portugal	Private	2004	78	0	4	10	13
18	Instituto Nacional de Saúde Doutor Ricardo Jorge	18	1262	3123	Portugal	Institution	1899	43	0	3	13	21
19	Laboratório Nacional de Energia e Geologia	19	1317	3281	Portugal	Institution	2007	40	0	3	8	17
20	Instituto Politécnico de Leiria	20	1458	3686	Portugal	Institution	1979	88	0	2	9	19
21	Instituto Superior de Engenharia de Lisboa	21	1468	3737	Portugal	Public	1852	42	0	2	8	14
22	Universidade de Tras os Montes e Alto Douro	22	1548	3977	Portugal	Public	1986	49	0	2	5	6
23	Instituto Superior de Engenharia de Coimbra	23	1566	4019	Portugal	Public	1921	52	1	2	4	10
24	Cooperativa de Ensino Superior, Politécnico e Universitario	24	1766	4694	Portugal	Private	1989	41	0	1	5	11
25	Instituto Politécnico de Viana do Castelo	25	1775	4723	Portugal	Institution	1979	41	0	1	5	7
26	Universidade Fernando Pessoa	26	1800	4806	Portugal	Private	1996	55	0	1	4	11
27	Instituto Politécnico do Cavado e do Ave	27	1812	4852	Portugal	Institution	1994	44	0	1	4	8
28	National Institute for Agricultural and Veterinary Research	28	1850	4965	Portugal	Institution	2001	52	0	1	3	14
29	Universidade Aberta	29	1851	4968	Portugal	Public	1988	50	0	1	3	8

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
30	Laboratório Nacional de Engenharia Civil	30	1862	4996	Portugal	Institution	1946	57	0	1	3	9
31	Instituto Politécnico de Guarda	31	1938	5278	Portugal	Institution	1980	33	0	1	2	9
32	Banco de Portugal	32	1958	5346	Portugal	Company	1846	17	0	1	2	4
33	Instituto Superior Politécnico de Viseu	33	2047	5683	Portugal	Public	1979	45	0	1	1	10
34	ESSCVP Escola Superior de Saúde da Cruz Vermelha Portuguesa - Lisboa	34	2175	6325	Portugal	Private	1993	5	0	1	1	1
35	Instituto Politécnico de Lisboa	35	2218	6486	Portugal	Institution	1979	64	0	0	8	17
36	Universidade dos Açores	36	2222	6501	Portugal	Public	1976	56	0	0	7	12
37	Universidade Lusófona de Humanidades e Tecnologias	37	2246	6565	Portugal	Private	1998	46	0	0	5	11
38	Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência	38	2269	6620	Portugal	Public	2002	43	0	0	4	7
39	Escola Superior de Enfermagem de Coimbra	39	2283	6665	Portugal	Public	2004	30	0	0	4	6
40	Instituto Politécnico de Setúbal	40	2311	6735	Portugal	Institution	1979	45	0	0	3	11
41	Instituto Politécnico de Santarém	41	2352	6851	Portugal	Institution	1979	29	0	0	3	3
42	Escola Superior Agrária de Coimbra	42	2409	7050	Portugal	Public	1887	28	0	0	2	5

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
43	Escola Superior de Enfermagem do Porto	43	2411	7054	Portugal	Public	2007	29	0	0	2	5
44	Instituto Superior da Maia	44	2427	7098	Portugal	Public	1991	18	0	0	2	5
45	Escola Superior de Educação de Coimbra	45	2470	7283	Portugal	Public	1979	19	0	0	2	2
46	Instituto Politécnico de Castelo Branco	46	2572	7668	Portugal	Institution	1979	42	0	0	1	3
47	Instituto Superior Miguel Torga	47	2602	7765	Portugal	Public	1990	16	0	0	1	3
48	Escola Náutica Infante Dom Henrique	48	2736	8281	Portugal	Public	1989	4	0	0	1	2
49	Instituto Politécnico de Portalegre	49	2751	8337	Portugal	Institution	1980	17	0	0	1	1
50	Universidade Lusofona do Porto	50	2769	8405	Portugal	Private	1994	11	0	0	1	1
51	Instituto Politécnico de Coimbra	51	2867	8895	Portugal	Institution	1979	9	0	0	1	1
52	Universidade de Évora	52	2966	9370	Portugal	Public	1559	46	0	0	0	3
53	Instituto Politécnico de Tomar	53	2996	9477	Portugal	Institution	1996	35	0	0	0	1
54	Universidade Autónoma de Lisboa	54	3012	9555	Portugal	Private	1986	14	0	0	0	2
55	Instituto Politécnico de Beja	55	3040	9684	Portugal	Institution	1979	18	0	0	0	1
56	Universidade Atlântica	56	3116	10009	Portugal	Private	1996	10	0	0	0	2
57	Universidade Lusíada de Lisboa	57	3148	10123	Portugal	Private	1986	4	0	0	0	2
58	Fraunhofer Portugal	58	3177	10260	Portugal	Private	2009	23	0	0	0	0

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
59	Universidade Lusíada de Vila Nova de Famalicão	59	3240	10520	Portugal	Private	1986	5	0	0	0	0
60	Instituto Superior de Educação e Ciências ISEC Lisboa	60	3276	10718	Portugal	Public	1991	7	0	0	0	0
61	Centro Hospitalar Universitário São João	61	3325	10973	Portugal	Hospital	1959	2	0	0	0	1
62	Instituto Superior de Contabilidade e Administração de Coimbra	62	3373	11175	Portugal	Public	1972	11	0	0	0	0
63	Escola Superior de Tecnología da Saúde de Coimbra	63	3394	11279	Portugal	Public	1992	9	0	0	0	1
64	Instituto Superior Manuel Teixeira Gomes ISMAT	64	3402	11304	Portugal	Public	2004	5	0	0	0	0
65	Escola Superior de Enfermagem de Lisboa	65	3418	11362	Portugal	Private	2004	11	0	0	0	0
66	Instituto de Soldadura e Qualidade	66	3428	11442	Portugal	Institution	1965	7	0	0	0	0
67	Escola Superior Gallaecia	67	3663	12714	Portugal	Private	1999	4	0	0	0	0
68	Instituto de Estudos Superiores de Fafe	68	3692	12928	Portugal	Institution	1988	2	0	0	0	0
69	Institute for Systems and Computer Engineering, Technology and Science	69	3714	13039	Portugal	Institution	2002	2	0	0	0	0

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
70	Instituto Superior de Ciências da Informação e de Administração	70	3729	13155	Portugal	Public	1990	1	0	0	0	0
71	BLC3 Association - Technology and Innovation Campus	71	3735	13181	Portugal	Private	2010	1	0	0	0	1
72	CIPES - Centre for Research in Higher Education Policies	72	3854	13720	Portugal	Private	2006	5	0	0	0	0
73	Instituto Piaget	73	3880	13904	Portugal	Institution	1979	7	0	0	0	0
74	Escola Universitária Vasco da Gama	74	3973	14526	Portugal	Private	2001	4	0	0	0	0
75	Instituto Superior de Ciências Empresariais e Turismo	75	3976	14551	Portugal	Institution	1990	4	0	0	0	0
76	Escola Naval da Marinha	76	4085	15240	Portugal	Public	1823	3	0	0	0	0
77	Escola Superior de Saúde Norte da Cruz Vermelha Portuguesa	77	4091	15292	Portugal	Private	2002	5	0	0	0	0
78	Instituto Politécnico da Maia	78	4092	15296	Portugal	Public	2015	4	0	0	0	0
79	Centro Hospitalar de Leiria	79	4117	15524	Portugal	Hospital	1953	3	0	0	0	0
80	Instituto Politécnico de Gestão e Tecnologia ISLA Gaia	80	4133	15650	Portugal	Private	1962	3	0	0	0	0
81	Instituto Superior de Ciências Policiais e Segurança Interna	81	4136	15666	Portugal	Public	1984	3	0	0	0	0

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
82	Academia Militar Portugal	82	4137	15674	Portugal	Public	1641	2	0	0	0	0
83	ISCE Douro	83	4256	16533	Portugal	Private	2015	1	0	0	0	0
84	Instituto Superior de Serviço Social do Porto	84	4265	16582	Portugal	Institution	1956	1	0	0	0	0
85	Escola Superior de Enfermagem de São José de Cluny	85	4277	16679	Portugal	Private	1940	1	0	0	0	0
86	Escola Superior de Enfermagem de Santa Maria	86	4388	17131	Portugal	Private	1952	12	0	0	0	0
87	Instituto Superior Politécnico de Gaya	87	4407	17497	Portugal	Public	1990	3	0	0	0	0
88	Instituto Superior de Gestão	88	4415	17625	Portugal	Private	1978	3	0	0	0	0
89	Instituto Superior de Entre Douro e Vouga	89	4427	17752	Portugal	Private	1990	1	0	0	0	0
90	Escola Superior de Educação Paula Frassinetti	90	4448	18072	Portugal	Private	1988	2	0	0	0	0
91	Instituto Politécnico da Lusofonia	91	4449	18093	Portugal	Private	2011	3	0	0	0	0

Table III. All Universities in Portugal top 5.000

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Universidade de Lisboa	1	128	317	Portugal	Public	1911	789	29	97	236	357
2	Universidade do Minho	2	136	338	Portugal	Public	1973	737	18	92	221	355
3	Universidade Nova de Lisboa	3	192	460	Portugal	Public	1973	143	13	62	78	79
4	Universidade do Porto	4	319	764	Portugal	Public	1911	300	15	28	33	40
5	Universidade de Coimbra	5	377	925	Portugal	Public	1290	122	7	19	30	39
6	Universidade da Beira Interior	6	386	961	Portugal	Public	1986	189	3	17	50	74
7	Universidade de Aveiro	7	401	992	Portugal	Public	1973	230	7	17	23	28
8	Universidade do Algarve	8	503	1262	Portugal	Public	1979	134	2	10	22	29
9	Universidade Católica Portuguesa	9	504	1267	Portugal	Private	1971	86	4	10	21	33
10	Instituto Superior de Psicologia Aplicada	10	595	1538	Portugal	Public	1986	55	2	7	11	18
11	Universidade da Madeira	11	679	1825	Portugal	Public	1988	86	0	4	21	29
12	Fundaçao Champalimaud	12	701	1929	Portugal	Private	2004	78	0	4	10	13
13	Instituto Superior de Engenharia de Lisboa	13	838	2466	Portugal	Public	1852	42	0	2	8	14
14	Universidade de Tras os Montes e Alto Douro	14	879	2636	Portugal	Public	1986	49	0	2	5	6
15	Instituto Superior de Engenharia de Coimbra	15	889	2662	Portugal	Public	1921	52	1	2	4	10

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
16	Cooperativa de Ensino Superior, Politécnico e Universitario	16	990	3097	Portugal	Private	1989	41	0	1	5	11
17	Universidade Fernando Pessoa	17	1005	3165	Portugal	Private	1996	55	0	1	4	11
18	Universidade Aberta	18	1032	3271	Portugal	Public	1988	50	0	1	3	8
19	Instituto Superior Politécnico de Viseu	19	1138	3764	Portugal	Public	1979	45	0	1	1	10
20	ESSCVP Escola Superior de Saúde da Cruz Vermelha Portuguesa - Lisboa	20	1204	4225	Portugal	Private	1993	5	0	1	1	1
21	Universidade dos Açores	21	1225	4327	Portugal	Public	1976	56	0	0	7	12
22	Universidade Lusófona de Humanidades e Tecnologias	22	1239	4379	Portugal	Private	1998	46	0	0	5	11
23	Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência	23	1254	4417	Portugal	Public	2002	43	0	0	4	7
24	Escola Superior de Enfermagem de Coimbra	24	1263	4452	Portugal	Public	2004	30	0	0	4	6
25	Escola Superior Agrária de Coimbra	25	1330	4723	Portugal	Public	1887	28	0	0	2	5
26	Escola Superior de Enfermagem do Porto	26	1332	4727	Portugal	Public	2007	29	0	0	2	5
27	Instituto Superior da Maia	27	1343	4763	Portugal	Public	1991	18	0	0	2	5

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
28	Escola Superior de Educação de Coimbra	28	1367	4899	Portugal	Public	1979	19	0	0	2	2
29	Instituto Superior Miguel Torga	29	1453	5260	Portugal	Public	1990	16	0	0	1	3
30	Escola Náutica Infante Dom Henrique	30	1538	5655	Portugal	Public	1989	4	0	0	1	2
31	Universidade Lusofona do Porto	31	1560	5755	Portugal	Private	1994	11	0	0	1	1
32	Universidade de Évora	32	1654	6450	Portugal	Public	1559	46	0	0	0	3
33	Universidade Autónoma de Lisboa	33	1686	6601	Portugal	Private	1986	14	0	0	0	2
34	Universidade Atlântica	34	1756	6973	Portugal	Private	1996	10	0	0	0	2
35	Universidade Lusíada de Lisboa	35	1773	7053	Portugal	Private	1986	4	0	0	0	2
36	Fraunhofer Portugal	36	1796	7172	Portugal	Private	2009	23	0	0	0	0
37	Universidade Lusíada de Vila Nova de Famalicão	37	1838	7388	Portugal	Private	1986	5	0	0	0	0
38	Instituto Superior de Educação e Ciências ISEC Lisboa	38	1865	7550	Portugal	Public	1991	7	0	0	0	0
39	Instituto Superior de Contabilidade e Administração de Coimbra	39	1920	7892	Portugal	Public	1972	11	0	0	0	0
40	Escola Superior de Tecnología da Saúde de Coimbra	40	1935	7983	Portugal	Public	1992	9	0	0	0	1

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
41	Instituto Superior Manuel Teixeira Gomes ISMAT	41	1941	8004	Portugal	Public	2004	5	0	0	0	0
42	Escola Superior de Enfermagem de Lisboa	42	1953	8053	Portugal	Private	2004	11	0	0	0	0
43	Escola Superior Gallaecia	43	2096	9156	Portugal	Private	1999	4	0	0	0	0
44	Instituto Superior de Ciências da Informação e de Administração	44	2138	9526	Portugal	Public	1990	1	0	0	0	0
45	BLC3 Association - Technology and Innovation Campus	45	2144	9548	Portugal	Private	2010	1	0	0	0	1
46	CIPES - Centre for Research in Higher Education Policies	46	2196	9913	Portugal	Private	2006	5	0	0	0	0
47	Escola Universitária Vasco da Gama	47	2290	10634	Portugal	Private	2001	4	0	0	0	0
48	Escola Naval da Marinha	48	2357	11252	Portugal	Public	1823	3	0	0	0	0
49	Escola Superior de Saúde Norte da Cruz Vermelha Portuguesa	49	2361	11297	Portugal	Private	2002	5	0	0	0	0
50	Instituto Politécnico da Maia	50	2362	11300	Portugal	Public	2015	4	0	0	0	0
51	Instituto Politécnico de Gestão e Tecnologia ISLA Gaia	51	2387	11607	Portugal	Private	1962	3	0	0	0	0
52	Instituto Superior de Ciências Policiais e Segurança Interna	52	2390	11623	Portugal	Public	1984	3	0	0	0	0

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
53	Academia Militar Portugal	53	2391	11631	Portugal	Public	1641	2	0	0	0	0
54	ISCE Douro	54	2473	12356	Portugal	Private	2015	1	0	0	0	0
55	Escola Superior de Enfermagem de São José de Cluny	55	2488	12484	Portugal	Private	1940	1	0	0	0	0
56	Escola Superior de Enfermagem de Santa Maria	56	2524	12716	Portugal	Private	1952	12	0	0	0	0
57	Instituto Superior Politécnico de Gaya	57	2541	13066	Portugal	Public	1990	3	0	0	0	0
58	Instituto Superior de Gestão	58	2547	13189	Portugal	Private	1978	3	0	0	0	0
59	Instituto Superior de Entre Douro e Vouga	59	2551	13302	Portugal	Private	1990	1	0	0	0	0
60	Escola Superior de Educação Paula Frassinetti	60	2569	13607	Portugal	Private	1988	2	0	0	0	0
61	Instituto Politécnico da Lusofonia	61	2570	13627	Portugal	Private	2011	3	0	0	0	0

Table IV. Public Universities in Portugal top 5.000

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Universidade de Lisboa	1	121	276	Portugal	1911	789	29	97	236	357
2	Universidade do Minho	2	128	295	Portugal	1973	737	18	92	221	355
3	Universidade Nova de Lisboa	3	183	408	Portugal	1973	143	13	62	78	79
4	Universidade do Porto	4	307	677	Portugal	1911	300	15	28	33	40
5	Universidade de Coimbra	5	360	804	Portugal	1290	122	7	19	30	39
6	Universidade da Beira Interior	6	368	835	Portugal	1986	189	3	17	50	74
7	Universidade de Aveiro	7	383	865	Portugal	1973	230	7	17	23	28
8	Universidade do Algarve	8	475	1093	Portugal	1979	134	2	10	22	29
9	Instituto Superior de Psicologia Aplicada	9	551	1297	Portugal	1986	55	2	7	11	18
10	Universidade da Madeira	10	620	1518	Portugal	1988	86	0	4	21	29
11	Instituto Superior de Engenharia de Lisboa	11	749	1989	Portugal	1852	42	0	2	8	14
12	Universidade de Tras os Montes e Alto Douro	12	782	2097	Portugal	1986	49	0	2	5	6
13	Instituto Superior de Engenharia de Coimbra	13	788	2115	Portugal	1921	52	1	2	4	10
14	Universidade Aberta	14	901	2529	Portugal	1988	50	0	1	3	8
15	Instituto Superior Politécnico de Viseu	15	978	2824	Portugal	1979	45	0	1	1	10
16	Universidade dos Açores	16	1041	3127	Portugal	1976	56	0	0	7	12
17	Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência	17	1066	3194	Portugal	2002	43	0	0	4	7
18	Escola Superior de Enfermagem de Coimbra	18	1074	3219	Portugal	2004	30	0	0	4	6
19	Escola Superior Agrária de Coimbra	19	1133	3394	Portugal	1887	28	0	0	2	5

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
20	Escola Superior de Enfermagem do Porto	20	1134	3397	Portugal	2007	29	0	0	2	5
21	Instituto Superior da Maia	21	1141	3420	Portugal	1991	18	0	0	2	5
22	Escola Superior de Educação de Coimbra	22	1159	3502	Portugal	1979	19	0	0	2	2
23	Instituto Superior Miguel Torga	23	1230	3723	Portugal	1990	16	0	0	1	3
24	Escola Náutica Infante Dom Henrique	24	1291	3960	Portugal	1989	4	0	0	1	2
25	Universidade de Évora	25	1375	4325	Portugal	1559	46	0	0	0	3
26	Instituto Superior de Educação e Ciências ISEC Lisboa	26	1523	4948	Portugal	1991	7	0	0	0	0
27	Instituto Superior de Contabilidade e Administração de Coimbra	27	1565	5138	Portugal	1972	11	0	0	0	0
28	Escola Superior de Tecnología da Saúde de Coimbra	28	1576	5192	Portugal	1992	9	0	0	0	1
29	Instituto Superior Manuel Teixeira Gomes ISMAT	29	1579	5201	Portugal	2004	5	0	0	0	0
30	Instituto Superior de Ciências da Informação e de Administração	30	1703	5942	Portugal	1990	1	0	0	0	0
31	Escola Naval da Marinha	31	1838	6783	Portugal	1823	3	0	0	0	0
32	Instituto Politécnico da Maia	32	1841	6808	Portugal	2015	4	0	0	0	0
33	Instituto Superior de Ciências Policiais e Segurança Interna	33	1858	6965	Portugal	1984	3	0	0	0	0
34	Academia Militar Portugal	34	1859	6970	Portugal	1641	2	0	0	0	0
35	Instituto Superior Politécnico de Gaya	35	1940	7606	Portugal	1990	3	0	0	0	0

Table V. Private Universities in Portugal top 5.000

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Universidade Católica Portuguesa	1	29	172	Portugal	1971	86	4	10	21	33
2	Fundaçao Champalimaud	2	63	330	Portugal	2004	78	0	4	10	13
3	Cooperativa de Ensino Superior, Politécnico e Universitario	3	122	697	Portugal	1989	41	0	1	5	11
4	Universidade Fernando Pessoa	4	125	712	Portugal	1996	55	0	1	4	11
5	ESSCVP Escola Superior de Saúde da Cruz Vermelha Portuguesa - Lisboa	5	182	1160	Portugal	1993	5	0	1	1	1
6	Universidade Lusófona de Humanidades e Tecnologias	6	188	1214	Portugal	1998	46	0	0	5	11
7	Universidade Lusofona do Porto	7	253	1740	Portugal	1994	11	0	0	1	1
8	Universidade Autónoma de Lisboa	8	285	2181	Portugal	1986	14	0	0	0	2
9	Universidade Atlântica	9	308	2339	Portugal	1996	10	0	0	0	2
10	Universidade Lusíada de Lisboa	10	315	2371	Portugal	1986	4	0	0	0	2
11	Fraunhofer Portugal	11	322	2414	Portugal	2009	23	0	0	0	0
12	Universidade Lusíada de Vila Nova de Famalicão	12	336	2521	Portugal	1986	5	0	0	0	0
13	Escola Superior de Enfermagem de Lisboa	13	365	2824	Portugal	2004	11	0	0	0	0
14	Escola Superior Gallaecia	14	415	3380	Portugal	1999	4	0	0	0	0
15	BLC3 Association - Technology and Innovation Campus	15	438	3596	Portugal	2010	1	0	0	0	1
16	CIPES - Centre for Research in Higher Education Policies	16	451	3780	Portugal	2006	5	0	0	0	0

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
17	Escola Universitária Vasco da Gama	17	491	4140	Portugal	2001	4	0	0	0	0
18	Escola Superior de Saúde Norte da Cruz Vermelha Portuguesa	18	521	4492	Portugal	2002	5	0	0	0	0
19	Instituto Politécnico de Gestão e Tecnologia ISLA Gaia	19	532	4652	Portugal	1962	3	0	0	0	0
20	ISCE Douro	20	571	5050	Portugal	2015	1	0	0	0	0
21	Escola Superior de Enfermagem de São José de Cluny	21	576	5127	Portugal	1940	1	0	0	0	0
22	Escola Superior de Enfermagem de Santa Maria	22	596	5252	Portugal	1952	12	0	0	0	0
23	Instituto Superior de Gestão	23	605	5535	Portugal	1978	3	0	0	0	0
24	Instituto Superior de Entre Douro e Vouga	24	608	5604	Portugal	1990	1	0	0	0	0
25	Escola Superior de Educação Paula Frassinetti	25	614	5763	Portugal	1988	2	0	0	0	0
26	Instituto Politécnico da Lusofonia	26	615	5773	Portugal	2011	3	0	0	0	0

Table VI. Young Universities in Portugal Top 5.000

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Universidade da Beira Interior	6	386	961	Portugal	1986	189	3	17	50	74
2	Universidade do Algarve	8	503	1262	Portugal	1979	134	2	10	22	29
3	Instituto Superior de Psicologia Aplicada	10	595	1538	Portugal	1986	55	2	7	11	18
4	Universidade da Madeira	11	679	1825	Portugal	1988	86	0	4	21	29
5	Fundaçao Champalimaud	12	701	1929	Portugal	2004	78	0	4	10	13
6	Universidade de Tras os Montes e Alto Douro	14	879	2636	Portugal	1986	49	0	2	5	6
7	Cooperativa de Ensino Superior, Politécnico e Universitario	16	990	3097	Portugal	1989	41	0	1	5	11
8	Universidade Fernando Pessoa	17	1005	3165	Portugal	1996	55	0	1	4	11
9	Universidade Aberta	18	1032	3271	Portugal	1988	50	0	1	3	8
10	Instituto Superior Politécnico de Viseu	19	1138	3764	Portugal	1979	45	0	1	1	10
11	ESSCVP Escola Superior de Saúde da Cruz Vermelha Portuguesa - Lisboa	20	1204	4225	Portugal	1993	5	0	1	1	1
12	Universidade dos Açores	21	1225	4327	Portugal	1976	56	0	0	7	12
13	Universidade Lusófona de Humanidades e Tecnologias	22	1239	4379	Portugal	1998	46	0	0	5	11
14	Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência	23	1254	4417	Portugal	2002	43	0	0	4	7
15	Escola Superior de Enfermagem de Coimbra	24	1263	4452	Portugal	2004	30	0	0	4	6
16	Escola Superior de Enfermagem do Porto	26	1332	4727	Portugal	2007	29	0	0	2	5

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
17	Instituto Superior da Maia	27	1343	4763	Portugal	1991	18	0	0	2	5
18	Escola Superior de Educação de Coimbra	28	1367	4899	Portugal	1979	19	0	0	2	2
19	Instituto Superior Miguel Torga	29	1453	5260	Portugal	1990	16	0	0	1	3
20	Escola Náutica Infante Dom Henrique	30	1538	5655	Portugal	1989	4	0	0	1	2
21	Universidade Lusofona do Porto	31	1560	5755	Portugal	1994	11	0	0	1	1
22	Universidade Autónoma de Lisboa	33	1686	6601	Portugal	1986	14	0	0	0	2
23	Universidade Atlântica	34	1756	6973	Portugal	1996	10	0	0	0	2
24	Universidade Lusíada de Lisboa	35	1773	7053	Portugal	1986	4	0	0	0	2
25	Fraunhofer Portugal	36	1796	7172	Portugal	2009	23	0	0	0	0
26	Universidade Lusíada de Vila Nova de Famalicão	37	1838	7388	Portugal	1986	5	0	0	0	0
27	Instituto Superior de Educação e Ciências ISEC Lisboa	38	1865	7550	Portugal	1991	7	0	0	0	0
28	Escola Superior de Tecnología da Saúde de Coimbra	40	1935	7983	Portugal	1992	9	0	0	0	1
29	Instituto Superior Manuel Teixeira Gomes ISMAT	41	1941	8004	Portugal	2004	5	0	0	0	0
30	Escola Superior de Enfermagem de Lisboa	42	1953	8053	Portugal	2004	11	0	0	0	0
31	Escola Superior Gallaecia	43	2096	9156	Portugal	1999	4	0	0	0	0
32	Instituto Superior de Ciências da Informação e de Administração	44	2138	9526	Portugal	1990	1	0	0	0	0
33	BLC3 Association - Technology and Innovation Campus	45	2144	9548	Portugal	2010	1	0	0	0	1

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
34	CIPES - Centre for Research in Higher Education Policies	46	2196	9913	Portugal	2006	5	0	0	0	0
35	Escola Universitária Vasco da Gama	47	2290	10634	Portugal	2001	4	0	0	0	0
36	Escola Superior de Saúde Norte da Cruz Vermelha Portuguesa	49	2361	11297	Portugal	2002	5	0	0	0	0
37	Instituto Politécnico da Maia	50	2362	11300	Portugal	2015	4	0	0	0	0
38	Instituto Superior de Ciências Policiais e Segurança Interna	52	2390	11623	Portugal	1984	3	0	0	0	0
39	ISCE Douro	54	2473	12356	Portugal	2015	1	0	0	0	0
40	Instituto Superior Politécnico de Gaya	57	2541	13066	Portugal	1990	3	0	0	0	0
41	Instituto Superior de Gestão	58	2547	13189	Portugal	1978	3	0	0	0	0
42	Instituto Superior de Entre Douro e Vouga	59	2551	13302	Portugal	1990	1	0	0	0	0
43	Escola Superior de Educação Paula Frassinetti	60	2569	13607	Portugal	1988	2	0	0	0	0
44	Instituto Politécnico da Lusofonia	61	2570	13627	Portugal	2011	3	0	0	0	0

Table VII. Institutions in Portugal top 5.000

#	Institution	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Instituto Português do Mar e da Atmosfera, IPMA	1	176	328	Portugal	2012	87	1	12	27	39
2	Instituto Politécnico de Bragança	2	221	411	Portugal	1983	69	2	10	20	28
3	Instituto Politécnico do Porto	3	252	471	Portugal	1985	183	3	8	35	54
4	Instituto Gulbenkian de Ciencia	4	376	684	Portugal	1961	64	1	5	13	21
5	ISCTE Instituto Universitário de Lisboa	5	414	759	Portugal	1972	101	0	4	18	29
6	Instituto Nacional de Saúde Doutor Ricardo Jorge	6	474	872	Portugal	1899	43	0	3	13	21
7	Laboratório Nacional de Energia e Geologia	7	495	916	Portugal	2007	40	0	3	8	17
8	Instituto Politécnico de Leiria	8	567	1043	Portugal	1979	88	0	2	9	19
9	Instituto Politécnico de Viana do Castelo	9	684	1286	Portugal	1979	41	0	1	5	7
10	Instituto Politécnico do Cavado e do Ave	10	700	1319	Portugal	1994	44	0	1	4	8
11	National Institute for Agricultural and Veterinary Research	11	713	1351	Portugal	2001	52	0	1	3	14
12	Laboratório Nacional de Engenharia Civil	12	716	1359	Portugal	1946	57	0	1	3	9
13	Instituto Politécnico de Guarda	13	741	1416	Portugal	1980	33	0	1	2	9
14	Instituto Politécnico de Lisboa	14	826	1620	Portugal	1979	64	0	0	8	17
15	Instituto Politécnico de Setúbal	15	852	1671	Portugal	1979	45	0	0	3	11

#	Institution	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
16	Instituto Politécnico de Santarém	16	869	1699	Portugal	1979	29	0	0	3	3
17	Instituto Politécnico de Castelo Branco	17	923	1814	Portugal	1979	42	0	0	1	3
18	Instituto Politécnico de Portalegre	18	966	1909	Portugal	1980	17	0	0	1	1
19	Instituto Politécnico de Coimbra	19	985	1965	Portugal	1979	9	0	0	1	1
20	Instituto Politécnico de Tomar	20	1016	2032	Portugal	1996	35	0	0	0	1
21	Instituto Politécnico de Beja	21	1021	2048	Portugal	1979	18	0	0	0	1
22	Instituto de Soldadura e Qualidade	22	1089	2218	Portugal	1965	7	0	0	0	0
23	Instituto de Estudos Superiores de Fafe	23	1143	2343	Portugal	1988	2	0	0	0	0
24	Institute for Systems and Computer Engineering, Technology and Science	24	1149	2363	Portugal	2002	2	0	0	0	0
25	Instituto Piaget	25	1178	2447	Portugal	1979	7	0	0	0	0
26	Instituto Superior de Ciências Empresariais e Turismo	26	1188	2478	Portugal	1990	4	0	0	0	0
27	Instituto Superior de Serviço Social do Porto	27	1228	2595	Portugal	1956	1	0	0	0	0

Table VIII. Companies in Portugal top 5.000

#	Company	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Banco de Portugal	1	85	268	Portugal	1846	17	0	1	2	4

Table IX. Hospitals in Portugal top 5.000

#	Hospital	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Portugal Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Centro Hospitalar Universitário São João	1	67	183	Portugal	1959	2	0	0	0	1
2	Centro Hospitalar de Leiria	2	87	229	Portugal	1953	3	0	0	0	0