AD Scientific Index

Rankings for Scientist

University, Subject, Country, Region, World

Romania

Top 5000 Scientists

AD Scientific Index 2024

March 09 2024

Romania 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 Romania top 5.000 according to Country

#	Country	Country Region Rank	Country World Rank	Scientists in Romania Top 5.000	Total Institutions	Total Scientist
1	Romania	22	46	4287	83	4287

Table II. All Types Institutions in Romania top 5.000

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Romania Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Horia Hulubei National Institute of Physics and Nuclear Engineering	1	556	1323	Romania	Institution	1949	87	10	16	25	32
2	University Babes Bolyai	2	611	1446	Romania	Public	1959	372	2	13	50	98
3	University of Bucharest	3	732	1720	Romania	Public	1864	114	3	10	27	35
4	University of Medicine and Pharmacy Iuliu Hatieganu Cluj Napoca	4	794	1885	Romania	Public	1919	115	1	9	17	19
5	Carol Davila University of Medicine and Pharmacy	5	817	1938	Romania	Public	1857	144	2	8	29	32
6	University Politehnica of Bucharest	6	818	1939	Romania	Public	1864	278	1	8	28	52
7	University of Medicine and Pharmacy Victor Babes Timisoara	7	977	2319	Romania	Public	1944	89	0	6	15	24
8	Politehnica University Timisoara	8	1042	2502	Romania	Private	1920	199	2	5	16	35
9	Alexandru Ioan Cuza University	9	1078	2589	Romania	Public	1860	138	1	5	11	27
10	Universitatea Tehnica din Cluj-Napoca (North University of Baia Mare)	10	1175	2886	Romania	Public	1948	229	0	4	9	28
11	Institute of Space Science	11	1232	3033	Romania	Institution	1992	20	3	4	5	6
12	Dunarea de Jos University Galati	12	1448	3656	Romania	Public	1974	115	0	2	11	20
13	Transilvania University of Brasov	13	1457	3685	Romania	Public	1948	166	1	2	9	20

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Romania Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
14	Bucharest Academy of Economic Studies	14	1479	3766	Romania	Public	1913	253	0	2	7	29
15	University of Medicine and Pharmacy Craiova	15	1482	3773	Romania	Public	1998	56	1	2	7	17
16	Gheorghe Asachi Technical University	16	1533	3925	Romania	Public	1937	106	0	2	5	9
17	West University of Timisoara	17	1715	4526	Romania	Public	1962	138	1	1	7	18
18	Petru Poni Institute of Macromolecular Chemistry	18	1731	4575	Romania	Institution	1999	7	0	1	7	7
19	University of Agricultural Sciences and Veterinary Medicine Cluj Napoca	19	1755	4656	Romania	Public	1869	78	0	1	5	16
20	University Stefan Cel Mare of Suceava	20	1774	4721	Romania	Public	1990	58	0	1	5	8
21	National Institute for Research and Development in Microtechnologies	21	1856	4980	Romania	Institution	1993	50	0	1	3	8
22	University of Medicine, Pharmacy, Sciences and Technology George Emil	22	1929	5254	Romania	Public	1948	68	0	1	2	5
23	University Aurel Vlaicu Arad	23	2068	5763	Romania	Public	1990	45	0	1	1	4
24	National Institute for R&D of Isotopic and Molecular Technologies Cluj-Napoca	24	2221	6497	Romania	Institution	2010	40	0	0	7	12
25	University of Craiova	25	2256	6589	Romania	Public	1947	113	0	0	4	17

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Romania Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
26	University Valachia Targoviste	26	2279	6653	Romania	Public	1992	47	0	0	4	8
27	University of Oradea	27	2302	6715	Romania	Public	1963	82	0	0	3	14
28	University of Medicine and Pharmacy Gr T Popa	28	2526	7506	Romania	Public	1879	113	0	0	1	8
29	University of Bacau	29	2650	7903	Romania	Public	1961	44	0	0	1	1
30	University Lucian Blaga of Sibiu	30	2684	8039	Romania	Public	1976	65	0	0	1	2
31	National Institute for Research & Development in Informatics	31	2700	8115	Romania	Institution	1970	45	0	0	1	2
32	National Institute for Earth Physics	32	2750	8336	Romania	Institution	1895	22	0	0	1	2
33	University Ovidius	33	2755	8363	Romania	Public	1961	55	0	0	1	1
34	Simion Stoilow Institute of Mathematics of the Romanian Academy	34	2930	9258	Romania	Institution		1	0	0	1	1
35	Universitatea Tehnica de Constructii Bucuresti	35	3027	9602	Romania	Public	1948	46	0	0	0	1
36	University of Agricultural Sciences and Veterinary Medicine Bucharest	36	3033	9644	Romania	Public	1852	38	0	0	0	1
37	University of Petrosani	37	3069	9826	Romania	Public	1948	44	0	0	0	0
38	Titu Maiorescu University	38	3097	9920	Romania	Private	1991	36	0	0	0	2
39	Tiberiu Popoviciu Institute of Numerical Analysis	39	3228	10475	Romania	Institution	1951	12	0	0	0	1
40	Universitatea Apollonia din Iasi	40	3283	10748	Romania	Private	1991	7	0	0	0	1

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Romania Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
41	1 December 1918 University	41	3357	11073	Romania	Public	1991	53	0	0	0	0
42	Emil Racovita Institute of Speleology	42	3378	11193	Romania	Institution	1948	12	0	0	0	1
43	Military Technical Academy, Bucharest	43	3408	11316	Romania	Public	1949	49	0	0	0	1
44	University of Agricultural Sciences and Veterinary Medicine Ion Ionescu de la Brad	44	3409	11325	Romania	Public	1948	40	0	0	0	0
45	Constantin Brancusi University of Targu-Jiu	45	3459	11573	Romania	Public	1990	15	0	0	0	0
46	Astronomical Institute of the Romanian Academy	46	3463	11646	Romania	Institution	1990	12	0	0	0	1
47	National Institute for Chemical Pharmaceutical Research Institute	47	3615	12462	Romania	Institution		2	0	0	0	1
48	Institute of Sociology, Romanian Academy	48	3638	12510	Romania	Institution		2	0	0	0	0
49	Ioan Slavici University	49	3727	13137	Romania	Private	2001	3	0	0	0	1
50	Ponderas Academic Hospital	50	3791	13380	Romania	Hospital	1998	1	0	0	0	0
51	Romanian American University	51	3826	13524	Romania	Public	1991	20	0	0	0	0
52	Petroleum-Gas University of Ploiesti	52	3828	13544	Romania	Public	1948	25	0	0	0	0
53	Danubius University Galati	53	3872	13875	Romania	Public	1994	19	0	0	0	0
54	Universitatea Hyperion	54	3879	13902	Romania	Private	1990	13	0	0	0	0
55	Bitdefender	55	4004	14682	Romania	Company	2001	3	0	0	0	0

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Romania Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
56	Universitatea Maritima Constanta	56	4053	14981	Romania	Public	1990	43	0	0	0	0
57	National University of Physical Education and Sports	57	4065	15077	Romania	Private	1922	15	0	0	0	0
58	Institutul National de Cercetari Economice	58	4075	15139	Romania	Private	2018	14	0	0	0	0
59	Ion Mincu University of Architecture and Urbanism Bucharest	59	4124	15553	Romania	Public	1952	33	0	0	0	0
60	Emanuel University of Oradea	60	4132	15648	Romania	Private	1990	11	0	0	0	0
61	National Bank of Romania	61	4171	15863	Romania	Company	1880	3	0	0	0	0
62	Artifex University	62	4183	15941	Romania	Public	1992	13	0	0	0	0
63	Universitatea Athenaeum	63	4218	16281	Romania	Private	1990	3	0	0	0	0
64	Institute for Fluvial and Marine Systems	64	4343	16952	Romania	Institution	2015	1	0	0	0	0
65	Nicolae Iorga Institute of History, Romanian Academy	65	4361	16999	Romania	Institution		1	0	0	0	0
66	Nicolae Titulescu University	66	4393	17241	Romania	Private	1990	24	0	0	0	0
67	Partium Christian University	67	4413	17580	Romania	Private	1990	19	0	0	0	0
68	Alexandru Ioan Cuza Police Academy	68	4431	17790	Romania	Public	1965	20	0	0	0	0
69	Romanian Space Agency	69	4443	17971	Romania	Institution	1991	8	0	0	0	0
70	Tibiscus University Timisoara	70	4467	18341	Romania	Private	1991	10	0	0	0	0

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Romania Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
71	Universitatea Adventus	71	4471	18423	Romania	Public	1924	8	0	0	0	0
72	National Defence University of Romania Carol I	72	4530	18960	Romania	Public	1889	15	0	0	0	0
73	Universitatea Ecologica Bucuresti	73	4553	19359	Romania	Private	1990	6	0	0	0	0
74	University Dimitrie Cantemir Targu Mures	74	4583	19852	Romania	Private	1991	3	0	0	0	0
75	University of Art and Design Cluj-Napoca	75	4747	20818	Romania	Public	1926	9	0	0	0	0
76	Universitatea Andrei Saguna	76	4749	20988	Romania	Private	1992	6	0	0	0	0
77	Universitatea Petre Andrei	77	4759	21181	Romania	Private	1990	5	0	0	0	0
78	National Institute of Statistics Romania	78	4765	21286	Romania	Institution	1859	4	0	0	0	0
79	Protestant Theological Institute in Cluj-Napoca	79	4768	21379	Romania	Institution	1948	4	0	0	0	0
80	Universitatea Bioterra	80	4796	21854	Romania	Private	1990	2	0	0	0	0
81	George Baritiu Institute of History, Romanian Academy	81	4812	22190	Romania	Institution	2015	1	0	0	0	0
82	Romanian-German University of Sibiu	82	4871	22662	Romania	Private	1998	1	0	0	0	0
83	Institutul Teologic Penticostal - București	83	4906	23099	Romania	Institution	2008	1	0	0	0	0

Table III. All Universities in Romania top 5.000

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Romania Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	University Babes Bolyai	1	434	1083	Romania	Public	1959	372	2	13	50	98
2	University of Bucharest	2	496	1242	Romania	Public	1864	114	3	10	27	35
3	University of Medicine and Pharmacy Iuliu Hatieganu Cluj Napoca	3	532	1348	Romania	Public	1919	115	1	9	17	19
4	Carol Davila University of Medicine and Pharmacy	4	542	1375	Romania	Public	1857	144	2	8	29	32
5	University Politehnica of Bucharest	5	543	1376	Romania	Public	1864	278	1	8	28	52
6	University of Medicine and Pharmacy Victor Babes Timisoara	6	611	1596	Romania	Public	1944	89	0	6	15	24
7	Politehnica University Timisoara	7	640	1701	Romania	Private	1920	199	2	5	16	35
8	Alexandru Ioan Cuza University	8	658	1757	Romania	Public	1860	138	1	5	11	27
9	Universitatea Tehnica din Cluj-Napoca (North University of Baia Mare)	9	702	1935	Romania	Public	1948	229	0	4	9	28
10	Dunarea de Jos University Galati	10	823	2402	Romania	Public	1974	115	0	2	11	20
11	Transilvania University of Brasov	11	830	2427	Romania	Public	1948	166	1	2	9	20
12	Bucharest Academy of Economic Studies	12	843	2486	Romania	Public	1913	253	0	2	7	29
13	University of Medicine and Pharmacy Craiova	13	845	2491	Romania	Public	1998	56	1	2	7	17

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Romania Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
14	Gheorghe Asachi Technical University	14	873	2603	Romania	Public	1937	106	0	2	5	9
15	West University of Timisoara	15	959	2972	Romania	Public	1962	138	1	1	7	18
16	University of Agricultural Sciences and Veterinary Medicine Cluj Napoca	16	981	3067	Romania	Public	1869	78	0	1	5	16
17	University Stefan Cel Mare of Suceava	17	995	3116	Romania	Public	1990	58	0	1	5	8
18	University of Medicine, Pharmacy, Sciences and Technology George Emil	18	1075	3473	Romania	Public	1948	68	0	1	2	5
19	University Aurel Vlaicu Arad	19	1154	3825	Romania	Public	1990	45	0	1	1	4
20	University of Craiova	20	1243	4392	Romania	Public	1947	113	0	0	4	17
21	University Valachia Targoviste	21	1261	4443	Romania	Public	1992	47	0	0	4	8
22	University of Oradea	22	1272	4480	Romania	Public	1963	82	0	0	3	14
23	University of Medicine and Pharmacy Gr T Popa	23	1392	5050	Romania	Public	1879	113	0	0	1	8
24	University of Bacau	24	1486	5372	Romania	Public	1961	44	0	0	1	1
25	University Lucian Blaga of Sibiu	25	1507	5478	Romania	Public	1976	65	0	0	1	2
26	University Ovidius	26	1549	5717	Romania	Public	1961	55	0	0	1	1
27	Universitatea Tehnica de Constructii Bucuresti	27	1695	6637	Romania	Public	1948	46	0	0	0	1
28	University of Agricultural Sciences and Veterinary Medicine Bucharest	28	1699	6676	Romania	Public	1852	38	0	0	0	1
29	University of Petrosani	29	1723	6823	Romania	Public	1948	44	0	0	0	0

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Romania Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
30	Titu Maiorescu University	30	1742	6903	Romania	Private	1991	36	0	0	0	2
31	Universitatea Apollonia din Iasi	31	1870	7574	Romania	Private	1991	7	0	0	0	1
32	1 December 1918 University	32	1908	7798	Romania	Public	1991	53	0	0	0	0
33	Military Technical Academy, Bucharest	33	1944	8011	Romania	Public	1949	49	0	0	0	1
34	University of Agricultural Sciences and Veterinary Medicine Ion Ionescu de la Brad	34	1945	8019	Romania	Public	1948	40	0	0	0	0
35	Constantin Brancusi University of Targu-Jiu	35	1976	8228	Romania	Public	1990	15	0	0	0	0
36	Ioan Slavici University	36	2136	9509	Romania	Private	2001	3	0	0	0	1
37	Romanian American University	37	2171	9735	Romania	Public	1991	20	0	0	0	0
38	Petroleum-Gas University of Ploiesti	38	2173	9755	Romania	Public	1948	25	0	0	0	0
39	Danubius University Galati	39	2210	10050	Romania	Public	1994	19	0	0	0	0
40	Universitatea Hyperion	40	2216	10074	Romania	Private	1990	13	0	0	0	0
41	Universitatea Maritima Constanta	41	2332	11006	Romania	Public	1990	43	0	0	0	0
42	National University of Physical Education and Sports	42	2342	11099	Romania	Private	1922	15	0	0	0	0
43	Institutul National de Cercetari Economice	43	2351	11158	Romania	Private	2018	14	0	0	0	0

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Romania Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
44	Ion Mincu University of Architecture and Urbanism Bucharest	44	2378	11515	Romania	Public	1952	33	0	0	0	0
45	Emanuel University of Oradea	45	2386	11606	Romania	Private	1990	11	0	0	0	0
46	Artifex University	46	2421	11851	Romania	Public	1992	13	0	0	0	0
47	Universitatea Athenaeum	47	2450	12168	Romania	Private	1990	3	0	0	0	0
48	Nicolae Titulescu University	48	2529	12824	Romania	Private	1990	24	0	0	0	0
49	Partium Christian University	49	2546	13145	Romania	Private	1990	19	0	0	0	0
50	Alexandru Ioan Cuza Police Academy	50	2555	13340	Romania	Public	1965	20	0	0	0	0
51	Tibiscus University Timisoara	51	2583	13851	Romania	Private	1991	10	0	0	0	0
52	Universitatea Adventus	52	2586	13930	Romania	Public	1924	8	0	0	0	0
53	National Defence University of Romania Carol I	53	2616	14396	Romania	Public	1889	15	0	0	0	0
54	Universitatea Ecologica Bucuresti	54	2633	14783	Romania	Private	1990	6	0	0	0	0
55	University Dimitrie Cantemir Targu Mures	55	2658	15249	Romania	Private	1991	3	0	0	0	0
56	University of Art and Design Cluj-Napoca	56	2705	15881	Romania	Public	1926	9	0	0	0	0
57	Universitatea Andrei Saguna	57	2707	16043	Romania	Private	1992	6	0	0	0	0
58	Universitatea Petre Andrei	58	2717	16233	Romania	Private	1990	5	0	0	0	0
59	Universitatea Bioterra	59	2737	16838	Romania	Private	1990	2	0	0	0	0

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Romania Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
60	Romanian-German University of Sibiu	60	2772	17456	Romania	Private	1998	1	0	0	0	0

Table IV. Public Universities in Romania top 5.000

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Romania Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	University Babes Bolyai	1	413	942	Romania	1959	372	2	13	50	98
2	University of Bucharest	2	468	1073	Romania	1864	114	3	10	27	35
3	University of Medicine and Pharmacy Iuliu Hatieganu Cluj Napoca	3	498	1153	Romania	1919	115	1	9	17	19
4	Carol Davila University of Medicine and Pharmacy	4	507	1173	Romania	1857	144	2	8	29	32
5	University Politehnica of Bucharest	5	508	1174	Romania	1864	278	1	8	28	52
6	University of Medicine and Pharmacy Victor Babes Timisoara	6	563	1341	Romania	1944	89	0	6	15	24
7	Alexandru Ioan Cuza University	7	602	1466	Romania	1860	138	1	5	11	27
8	Universitatea Tehnica din Cluj-Napoca (North University of Baia Mare)	8	639	1604	Romania	1948	229	0	4	9	28
9	Dunarea de Jos University Galati	9	738	1939	Romania	1974	115	0	2	11	20
10	Transilvania University of Brasov	10	743	1960	Romania	1948	166	1	2	9	20
11	Bucharest Academy of Economic Studies	11	752	2001	Romania	1913	253	0	2	7	29
12	University of Medicine and Pharmacy Craiova	12	754	2005	Romania	1998	56	1	2	7	17
13	Gheorghe Asachi Technical University	13	777	2079	Romania	1937	106	0	2	5	9
14	West University of Timisoara	14	843	2315	Romania	1962	138	1	1	7	18

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Romania Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
15	University of Agricultural Sciences and Veterinary Medicine Cluj Napoca	15	862	2381	Romania	1869	78	0	1	5	16
16	University Stefan Cel Mare of Suceava	16	873	2417	Romania	1990	58	0	1	5	8
17	University of Medicine, Pharmacy, Sciences and Technology George Emil	17	935	2656	Romania	1948	68	0	1	2	5
18	University Aurel Vlaicu Arad	18	993	2864	Romania	1990	45	0	1	1	4
19	University of Craiova	19	1055	3176	Romania	1947	113	0	0	4	17
20	University Valachia Targoviste	20	1072	3211	Romania	1992	47	0	0	4	8
21	University of Oradea	21	1083	3235	Romania	1963	82	0	0	3	14
22	University of Medicine and Pharmacy Gr T Popa	22	1176	3578	Romania	1879	113	0	0	1	8
23	University of Bacau	23	1255	3797	Romania	1961	44	0	0	1	1
24	University Lucian Blaga of Sibiu	24	1269	3859	Romania	1976	65	0	0	1	2
25	University Ovidius	25	1298	3994	Romania	1961	55	0	0	1	1
26	Universitatea Tehnica de Constructii Bucuresti	26	1409	4446	Romania	1948	46	0	0	0	1
27	University of Agricultural Sciences and Veterinary Medicine Bucharest	27	1411	4473	Romania	1852	38	0	0	0	1
28	University of Petrosani	28	1428	4557	Romania	1948	44	0	0	0	0
29	1 December 1918 University	29	1558	5087	Romania	1991	53	0	0	0	0
30	Military Technical Academy, Bucharest	30	1582	5204	Romania	1949	49	0	0	0	1
31	University of Agricultural Sciences and Veterinary Medicine Ion Ionescu de la Brad	31	1583	5208	Romania	1948	40	0	0	0	0

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Romania Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
32	Constantin Brancusi University of Targu-Jiu	32	1605	5323	Romania	1990	15	0	0	0	0
33	Romanian American University	33	1727	6057	Romania	1991	20	0	0	0	0
34	Petroleum-Gas University of Ploiesti	34	1728	6065	Romania	1948	25	0	0	0	0
35	Danubius University Galati	35	1754	6202	Romania	1994	19	0	0	0	0
36	Universitatea Maritima Constanta	36	1825	6681	Romania	1990	43	0	0	0	0
37	Ion Mincu University of Architecture and Urbanism Bucharest	37	1849	6914	Romania	1952	33	0	0	0	0
38	Artifex University	38	1875	7079	Romania	1992	13	0	0	0	0
39	Alexandru Ioan Cuza Police Academy	39	1947	7726	Romania	1965	20	0	0	0	0
40	Universitatea Adventus	40	1962	7971	Romania	1924	8	0	0	0	0
41	National Defence University of Romania Carol I	41	1983	8174	Romania	1889	15	0	0	0	0
42	University of Art and Design Cluj-Napoca	42	2038	8867	Romania	1926	9	0	0	0	0

Table V. Private Universities in Romania top 5.000

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Romania Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Politehnica University Timisoara	1	52	275	Romania	1920	199	2	5	16	35
2	Titu Maiorescu University	2	304	2305	Romania	1991	36	0	0	0	2
3	Universitatea Apollonia din Iasi	3	343	2612	Romania	1991	7	0	0	0	1
4	Ioan Slavici University	4	434	3572	Romania	2001	3	0	0	0	1
5	Universitatea Hyperion	5	459	3859	Romania	1990	13	0	0	0	0
6	National University of Physical Education and Sports	6	511	4379	Romania	1922	15	0	0	0	0
7	Institutul National de Cercetari Economice	7	517	4416	Romania	2018	14	0	0	0	0
8	Emanuel University of Oradea	8	531	4651	Romania	1990	11	0	0	0	0
9	Universitatea Athenaeum	9	561	4949	Romania	1990	3	0	0	0	0
10	Nicolae Titulescu University	10	599	5316	Romania	1990	24	0	0	0	0
11	Partium Christian University	11	604	5510	Romania	1990	19	0	0	0	0
12	Tibiscus University Timisoara	12	623	5911	Romania	1991	10	0	0	0	0
13	Universitatea Ecologica Bucuresti	13	639	6453	Romania	1990	6	0	0	0	0
14	University Dimitrie Cantemir Targu Mures	14	648	6697	Romania	1991	3	0	0	0	0
15	Universitatea Andrei Saguna	15	668	7116	Romania	1992	6	0	0	0	0
16	Universitatea Petre Andrei	16	673	7217	Romania	1990	5	0	0	0	0
17	Universitatea Bioterra	17	681	7542	Romania	1990	2	0	0	0	0
18	Romanian-German University of Sibiu	18	700	7855	Romania	1998	1	0	0	0	0

Table VI. Young Universities in Romania Top 5.000

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Romania Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Dunarea de Jos University Galati	10	823	2402	Romania	1974	115	0	2	11	20
2	University of Medicine and Pharmacy Craiova	13	845	2491	Romania	1998	56	1	2	7	17
3	University Stefan Cel Mare of Suceava	17	995	3116	Romania	1990	58	0	1	5	8
4	University Aurel Vlaicu Arad	19	1154	3825	Romania	1990	45	0	1	1	4
5	University Valachia Targoviste	21	1261	4443	Romania	1992	47	0	0	4	8
6	University Lucian Blaga of Sibiu	25	1507	5478	Romania	1976	65	0	0	1	2
7	Titu Maiorescu University	30	1742	6903	Romania	1991	36	0	0	0	2
8	Universitatea Apollonia din Iasi	31	1870	7574	Romania	1991	7	0	0	0	1
9	1 December 1918 University	32	1908	7798	Romania	1991	53	0	0	0	0
10	Constantin Brancusi University of Targu-Jiu	35	1976	8228	Romania	1990	15	0	0	0	0
11	Ioan Slavici University	36	2136	9509	Romania	2001	3	0	0	0	1
12	Romanian American University	37	2171	9735	Romania	1991	20	0	0	0	0
13	Danubius University Galati	39	2210	10050	Romania	1994	19	0	0	0	0
14	Universitatea Hyperion	40	2216	10074	Romania	1990	13	0	0	0	0
15	Universitatea Maritima Constanta	41	2332	11006	Romania	1990	43	0	0	0	0
16	Institutul National de Cercetari Economice	43	2351	11158	Romania	2018	14	0	0	0	0
17	Emanuel University of Oradea	45	2386	11606	Romania	1990	11	0	0	0	0
18	Artifex University	46	2421	11851	Romania	1992	13	0	0	0	0
19	Universitatea Athenaeum	47	2450	12168	Romania	1990	3	0	0	0	0

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Romania Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
20	Nicolae Titulescu University	48	2529	12824	Romania	1990	24	0	0	0	0
21	Partium Christian University	49	2546	13145	Romania	1990	19	0	0	0	0
22	Tibiscus University Timisoara	51	2583	13851	Romania	1991	10	0	0	0	0
23	Universitatea Ecologica Bucuresti	54	2633	14783	Romania	1990	6	0	0	0	0
24	University Dimitrie Cantemir Targu Mures	55	2658	15249	Romania	1991	3	0	0	0	0
25	Universitatea Andrei Saguna	57	2707	16043	Romania	1992	6	0	0	0	0
26	Universitatea Petre Andrei	58	2717	16233	Romania	1990	5	0	0	0	0
27	Universitatea Bioterra	59	2737	16838	Romania	1990	2	0	0	0	0
28	Romanian-German University of Sibiu	60	2772	17456	Romania	1998	1	0	0	0	0

Table VII. Institutions in Romania top 5.000

#	Institution	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Romania Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Horia Hulubei National Institute of Physics and Nuclear Engineering	1	132	246	Romania	1949	87	10	16	25	32
2	Institute of Space Science	2	461	850	Romania	1992	20	3	4	5	6
3	Petru Poni Institute of Macromolecular Chemistry	3	673	1261	Romania	1999	7	0	1	7	7
4	National Institute for Research and Development in Microtechnologies	4	714	1354	Romania	1993	50	0	1	3	8
5	National Institute for R&D of Isotopic and Molecular Technologies Cluj-Napoca	5	827	1624	Romania	2010	40	0	0	7	12
6	National Institute for Research & Development in Informatics	6	953	1877	Romania	1970	45	0	0	1	2
7	National Institute for Earth Physics	7	965	1908	Romania	1895	22	0	0	1	2
8	Simion Stoilow Institute of Mathematics of the Romanian Academy	8	993	1995	Romania		1	0	0	1	1
9	Tiberiu Popoviciu Institute of Numerical Analysis	9	1058	2127	Romania	1951	12	0	0	0	1
10	Emil Racovita Institute of Speleology	10	1085	2202	Romania	1948	12	0	0	0	1
11	Astronomical Institute of the Romanian Academy	11	1097	2232	Romania	1990	12	0	0	0	1
12	National Institute for Chemical Pharmaceutical Research Institute	12	1127	2310	Romania		2	0	0	0	1

#	Institution	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Romania Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
13	Institute of Sociology, Romanian Academy	13	1136	2325	Romania		2	0	0	0	0
14	Institute for Fluvial and Marine Systems	14	1245	2644	Romania	2015	1	0	0	0	0
15	Nicolae Iorga Institute of History, Romanian Academy	15	1249	2655	Romania		1	0	0	0	0
16	Romanian Space Agency	16	1261	2694	Romania	1991	8	0	0	0	0
17	National Institute of Statistics Romania	17	1320	2857	Romania	1859	4	0	0	0	0
18	Protestant Theological Institute in Cluj-Napoca	18	1321	2861	Romania	1948	4	0	0	0	0
19	George Baritiu Institute of History, Romanian Academy	19	1325	2900	Romania	2015	1	0	0	0	0
20	Institutul Teologic Penticostal - București	20	1343	2977	Romania	2008	1	0	0	0	0

Table VIII. Companies in Romania top 5.000

#	Company	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Romania Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Bitdefender	1	416	1207	Romania	2001	3	0	0	0	0
2	National Bank of Romania	2	446	1279	Romania	1880	3	0	0	0	0

Table IX. Hospitals in Romania top 5.000

#	Hospital	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Romania Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Ponderas Academic Hospital	1	80	211	Romania	1998	1	0	0	0	0