AD Scientific Index

Rankings for Scientist

University, Subject, Country, Region, World

Ghana

Top 5000 Scientists

AD Scientific Index 2024

March 09 2024

Ghana Top 5000 Scientists
”AD Scientific Index 2024” World Scientist and University Rankings 2024

(Total 1.446.045 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 1.446.045 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 *1.446.045* 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 *1.446.045* 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
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What are the differences of Premium Member?

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

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

Institutional Registration

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

Data Policy:

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

Your comments and contributions

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

Table I. Number of scientists in Ghana top 5.000 according to Country

#	Country	Country Region Rank	Country World Rank	Scientists in Ghana Top 5.000	Total Institutions	Total Scientist
1	Ghana	6	77	3954	84	3954

Table II. All Types Institutions in Ghana top 5.000

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Ghana 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 of Ghana	1	19	1444	Ghana	Public	1948	862	1	13	55	92
2	Kwame Nkrumah University of Science & Technology	2	33	1940	Ghana	Public	1952	734	0	8	27	65
3	University of Health and Allied Sciences	3	46	2388	Ghana	Public	2011	152	3	6	10	13
4	University of Cape Coast	4	102	3765	Ghana	Public	1962	382	0	2	7	27
5	Ghana Communication Technology University GCTU	5	125	4359	Ghana	Public	2005	74	0	2	2	4
6	Ghana Institute of Management and Public Administration	6	174	5395	Ghana	Public	1961	71	0	1	2	4
7	University of Education Winneba	7	181	5764	Ghana	Public	1992	180	1	1	1	2
8	Ghana Health Service	8	186	5950	Ghana	Institution	1996	6	0	1	1	1
9	University for Development Studies	9	210	6512	Ghana	Public	1992	119	0	0	6	13
10	University of Energy and Natural Resources	10	281	7634	Ghana	Public	2011	88	0	0	1	2
11	Ghana Atomic Energy Commission	11	299	8063	Ghana	Institution	2012	44	0	0	1	2
12	CK Tedam University of Technology and Applied Sciences	12	301	8099	Ghana	Public	2019	56	0	0	1	3
13	CSIR-Forestry Research Institute of Ghana	13	304	8184	Ghana	Institution	2006	14	0	0	1	1

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Ghana Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
14	Navrongo Health Research Centre	14	306	8233	Ghana	Public	1992	7	0	0	1	2
15	Akenten Appiah Menka University of Skills Training and Entrepreneurial Development	15	320	8393	Ghana	Public	2020	47	0	0	1	1
16	University of Environment and Sustainable Development	16	321	8395	Ghana	Public	2020	39	0	0	1	1
17	Koforidua Technical University	17	322	8420	Ghana	Public	1997	25	0	0	1	1
18	Takoradi Technical University	18	329	8484	Ghana	Public	1954	50	0	0	1	1
19	Catholic University College of Ghana	19	358	9089	Ghana	Private	2003	16	0	0	1	1
20	Accra Institute of Technology	20	364	9186	Ghana	Private	2009	6	0	0	1	1
21	University of Mines & Technology Tarkwa	21	394	9601	Ghana	Public	2004	102	0	0	0	1
22	Simon Diedong Dombo University of Business and Integrated Development Studies	22	397	9623	Ghana	Public	2019	119	0	0	0	2
23	Crops Research Institute Ghana	23	409	9797	Ghana	Institution	1959	42	0	0	0	0
24	Cape Coast Technical University	24	424	9962	Ghana	Public	1986	49	0	0	0	1
25	Kintampo Health Research Centre	25	425	9977	Ghana	Institution	1994	16	0	0	0	1

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Ghana Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
26	Korle Bu Teaching Hospital	26	492	10893	Ghana	Hospital	1923	7	0	0	0	2
27	University of Professional Studies Accra	27	507	11058	Ghana	Public	1965	15	0	0	0	0
28	Accra Technical University	28	520	11153	Ghana	Public	1949	75	0	0	0	1
29	Central University	29	537	11340	Ghana	Private	1997	26	0	0	0	0
30	Tamale Technical University	30	541	11383	Ghana	Public	1950	35	0	0	0	0
31	BlueCrest College	31	612	12319	Ghana	Public	2000	6	0	0	0	0
32	Presbyterian University College	32	624	12594	Ghana	Private	2003	18	0	0	0	1
33	Regent University College of Science and Technology	33	639	12768	Ghana	Private	2003	8	0	0	0	1
34	Kofi Annan International Peacekeeping Training Centre	34	655	13011	Ghana	Institution		2	0	0	0	1
35	Kumasi Technical University	35	678	13477	Ghana	Public	1954	61	0	0	0	0
36	Ho Technical University	36	680	13497	Ghana	Public	1968	86	0	0	0	0
37	Valley View University	37	699	13778	Ghana	Private	1979	45	0	0	0	0
38	Sunyani Technical University	38	705	13800	Ghana	Public	1983	29	0	0	0	0
39	Christian Service University College	39	722	13997	Ghana	Private	1974	9	0	0	0	0
40	Ashesi University	40	739	14233	Ghana	Private	2002	16	0	0	0	0
41	Cocoa Research Institute of Ghana	41	744	14341	Ghana	Institution	1938	8	0	0	0	0

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Ghana Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
42	Kaaf University College	42	766	14721	Ghana	Private	2007	7	0	0	0	0
43	Methodist University College Ghana	43	803	15226	Ghana	Private	2000	16	0	0	0	0
44	Dominion University College	44	815	15329	Ghana	Private	2009	5	0	0	0	0
45	Garden City University College	45	844	15625	Ghana	Private	2001	12	0	0	0	0
46	Regional Maritime University	46	845	15635	Ghana	Private	1983	12	0	0	0	0
47	Bolgatanga Polytechnic	47	868	16092	Ghana	Public	1999	6	0	0	0	0
48	Academic City University College	48	869	16095	Ghana	Private	2009	6	0	0	0	0
49	Ensign Global College	49	895	16647	Ghana	Public	2013	3	0	0	0	0
50	Crown University	50	897	16772	Ghana	Private	1916	2	0	0	0	0
51	Ghana Institute of Journalism	51	924	17470	Ghana	Public	1959	15	0	0	0	0
52	Wisconsin International University College	52	932	17600	Ghana	Private	2000	16	0	0	0	0
53	Dr. Hilla Limann Technical University	53	935	17614	Ghana	Public	1999	15	0	0	0	0
54	Pentecost University College	54	959	17956	Ghana	Private	2003	8	0	0	0	0
55	Data Link Institute	55	964	18003	Ghana	Institution	1993	7	0	0	0	0
56	Tamale Teaching Hospital	56	971	18096	Ghana	Hospital		4	0	0	0	0
57	Lancaster University, Ghana	57	1011	18631	Ghana	Public	2013	5	0	0	0	0
58	All Nations University College	58	1051	19261	Ghana	Private	2005	7	0	0	0	0

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Ghana Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
59	Regentropfen College of Applied Sciences	59	1065	19349	Ghana	Public	2000	6	0	0	0	0
60	West End University College	60	1077	19411	Ghana	Private	2010	6	0	0	0	0
61	Evangelical Presbyterian University College	61	1080	19433	Ghana	Private	2008	6	0	0	0	0
62	African University College of Communications	62	1105	19754	Ghana	Private	2001	3	0	0	0	0
63	Perez University College	63	1124	20012	Ghana	Private	2001	2	0	0	0	0
64	Anglican University College of Technology	64	1128	20074	Ghana	Private	2008	2	0	0	0	0
65	Islamic University College of Ghana	65	1131	20110	Ghana	Private	2000	2	0	0	0	0
66	Public Utilities Regulatory Commission	66	1152	20620	Ghana	Institution	1997	1	0	0	0	0
67	Ghana Baptist University College	67	1184	21101	Ghana	Private	2006	5	0	0	0	0
68	National Film and Television Institute	68	1211	21404	Ghana	Institution	1978	4	0	0	0	0
69	Kessben University College	69	1212	21411	Ghana	Private	2015	4	0	0	0	0
70	Zenith University College	70	1219	21507	Ghana	Private	2001	3	0	0	0	0
71	Heritage Christian College Ghana	71	10417	21685	Ghana	Public	1999	2	0	0	0	0
72	College of Health, Yamfo	72	1236	21745	Ghana	Institution	2015	2	0	0	0	0

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Ghana Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
73	Knutsford University College	73	1237	21747	Ghana	Private	2005	2	0	0	0	0
74	Catholic Institute of Business and Technology	74	1251	21948	Ghana	Private	2007	2	0	0	0	0
75	Ghana Water Company Limited	75	1278	22375	Ghana	Company	1993	1	0	0	0	0
76	Mountcrest University College	76	1280	22416	Ghana	Private	2008	1	0	0	0	0
77	Laweh Open University	77	1284	22456	Ghana	Private	2014	1	0	0	0	0
78	Ghana National Gas Company	78	1289	22503	Ghana	Company	2011	1	0	0	0	0
79	37 Military Hospital	79	1290	22533	Ghana	Hospital	1941	1	0	0	0	0
80	University College of Management Studies	80	1297	22614	Ghana	Private	1974	1	0	0	0	0
81	Ghana-India Kofi Annan Centre of Excellence in ICT	81	1300	22674	Ghana	Institution	2003	1	0	0	0	0
82	GCB Bank	82	1322	22978	Ghana	Company	1953	1	0	0	0	0
83	Spiritan University College	83	1327	23034	Ghana	Private	1990	1	0	0	0	0
84	Kings University College	84	1335	23099	Ghana	Private	2009	1	0	0	0	0

Table III. All Universities in Ghana top 5.000

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Ghana 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 of Ghana	1	18	1081	Ghana	Public	1948	862	1	13	55	92
2	Kwame Nkrumah University of Science & Technology	2	29	1377	Ghana	Public	1952	734	0	8	27	65
3	University of Health and Allied Sciences	3	39	1630	Ghana	Public	2011	152	3	6	10	13
4	University of Cape Coast	4	86	2485	Ghana	Public	1962	382	0	2	7	27
5	Ghana Communication Technology University GCTU	5	106	2870	Ghana	Public	2005	74	0	2	2	4
6	Ghana Institute of Management and Public Administration	6	149	3576	Ghana	Public	1961	71	0	1	2	4
7	University of Education Winneba	7	151	3826	Ghana	Public	1992	180	1	1	1	2
8	University for Development Studies	8	173	4338	Ghana	Public	1992	119	0	0	6	13
9	University of Energy and Natural Resources	9	234	5157	Ghana	Public	2011	88	0	0	1	2
10	CK Tedam University of Technology and Applied Sciences	10	251	5524	Ghana	Public	2019	56	0	0	1	3
11	Navrongo Health Research Centre	11	255	5624	Ghana	Public	1992	7	0	0	1	2

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Ghana Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
12	Akenten Appiah Menka University of Skills Training and Entrepreneurial Development	12	267	5744	Ghana	Public	2020	47	0	0	1	1
13	University of Environment and Sustainable Development	13	268	5746	Ghana	Public	2020	39	0	0	1	1
14	Koforidua Technical University	14	269	5764	Ghana	Public	1997	25	0	0	1	1
15	Takoradi Technical University	15	276	5819	Ghana	Public	1954	50	0	0	1	1
16	Catholic University College of Ghana	16	300	6268	Ghana	Private	2003	16	0	0	1	1
17	Accra Institute of Technology	17	305	6343	Ghana	Private	2009	6	0	0	1	1
18	University of Mines & Technology Tarkwa	18	332	6636	Ghana	Public	2004	102	0	0	0	1
19	Simon Diedong Dombo University of Business and Integrated Development Studies	19	335	6656	Ghana	Public	2019	119	0	0	0	2
20	Cape Coast Technical University	20	359	6938	Ghana	Public	1986	49	0	0	0	1
21	University of Professional Studies Accra	21	425	7785	Ghana	Public	1965	15	0	0	0	0
22	Accra Technical University	22	438	7871	Ghana	Public	1949	75	0	0	0	1
23	Central University	23	452	8033	Ghana	Private	1997	26	0	0	0	0

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Ghana Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
24	Tamale Technical University	24	456	8073	Ghana	Public	1950	35	0	0	0	0
25	BlueCrest College	25	519	8855	Ghana	Public	2000	6	0	0	0	0
26	Presbyterian University College	26	531	9044	Ghana	Private	2003	18	0	0	0	1
27	Regent University College of Science and Technology	27	543	9207	Ghana	Private	2003	8	0	0	0	1
28	Kumasi Technical University	28	572	9692	Ghana	Public	1954	61	0	0	0	0
29	Ho Technical University	29	574	9711	Ghana	Public	1968	86	0	0	0	0
30	Valley View University	30	589	9961	Ghana	Private	1979	45	0	0	0	0
31	Sunyani Technical University	31	595	9983	Ghana	Public	1983	29	0	0	0	0
32	Christian Service University College	32	608	10155	Ghana	Private	1974	9	0	0	0	0
33	Ashesi University	33	624	10363	Ghana	Private	2002	16	0	0	0	0
34	Kaaf University College	34	648	10784	Ghana	Private	2007	7	0	0	0	0
35	Methodist University College Ghana	35	681	11239	Ghana	Private	2000	16	0	0	0	0
36	Dominion University College	36	691	11323	Ghana	Private	2009	5	0	0	0	0
37	Garden City University College	37	715	11583	Ghana	Private	2001	12	0	0	0	0
38	Regional Maritime University	38	716	11593	Ghana	Private	1983	12	0	0	0	0
39	Bolgatanga Polytechnic	39	734	11997	Ghana	Public	1999	6	0	0	0	0
40	Academic City University College	40	735	12000	Ghana	Private	2009	6	0	0	0	0
41	Ensign Global College	41	758	12457	Ghana	Public	2013	3	0	0	0	0

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Ghana Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
42	Crown University	42	760	12556	Ghana	Private	1916	2	0	0	0	0
43	Ghana Institute of Journalism	43	775	13041	Ghana	Public	1959	15	0	0	0	0
44	Wisconsin International University College	44	783	13164	Ghana	Private	2000	16	0	0	0	0
45	Dr. Hilla Limann Technical University	45	786	13178	Ghana	Public	1999	15	0	0	0	0
46	Pentecost University College	46	809	13499	Ghana	Private	2003	8	0	0	0	0
47	Lancaster University, Ghana	47	853	14130	Ghana	Public	2013	5	0	0	0	0
48	All Nations University College	48	891	14686	Ghana	Private	2005	7	0	0	0	0
49	Regentropfen College of Applied Sciences	49	905	14773	Ghana	Public	2000	6	0	0	0	0
50	West End University College	50	916	14834	Ghana	Private	2010	6	0	0	0	0
51	Evangelical Presbyterian University College	51	919	14856	Ghana	Private	2008	6	0	0	0	0
52	African University College of Communications	52	943	15160	Ghana	Private	2001	3	0	0	0	0
53	Perez University College	53	957	15372	Ghana	Private	2001	2	0	0	0	0
54	Anglican University College of Technology	54	961	15420	Ghana	Private	2008	2	0	0	0	0
55	Islamic University College of Ghana	55	963	15448	Ghana	Private	2000	2	0	0	0	0
56	Ghana Baptist University College	56	1005	16154	Ghana	Private	2006	5	0	0	0	0

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in Ghana Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
57	Kessben University College	57	1030	16445	Ghana	Private	2015	4	0	0	0	0
58	Zenith University College	58	1037	16538	Ghana	Private	2001	3	0	0	0	0
59	Heritage Christian College Ghana	59	9074	16704	Ghana	Public	1999	2	0	0	0	0
60	Knutsford University College	60	1052	16750	Ghana	Private	2005	2	0	0	0	0
61	Catholic Institute of Business and Technology	61	1063	16920	Ghana	Private	2007	2	0	0	0	0
62	Mountcrest University College	62	1084	17274	Ghana	Private	2008	1	0	0	0	0
63	Laweh Open University	63	1088	17303	Ghana	Private	2014	1	0	0	0	0
64	University College of Management Studies	64	1093	17419	Ghana	Private	1974	1	0	0	0	0
65	Spiritan University College	65	1114	17762	Ghana	Private	1990	1	0	0	0	0
66	Kings University College	66	1125	17833	Ghana	Private	2009	1	0	0	0	0

Table IV. Public Universities in Ghana top 5.000

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Ghana 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 of Ghana	1	18	940	Ghana	1948	862	1	13	55	92
2	Kwame Nkrumah University of Science & Technology	2	29	1175	Ghana	1952	734	0	8	27	65
3	University of Health and Allied Sciences	3	39	1366	Ghana	2011	152	3	6	10	13
4	University of Cape Coast	4	81	2000	Ghana	1962	382	0	2	7	27
5	Ghana Communication Technology University GCTU	5	97	2249	Ghana	2005	74	0	2	2	4
6	Ghana Institute of Management and Public Administration	6	132	2724	Ghana	1961	71	0	1	2	4
7	University of Education Winneba	7	134	2865	Ghana	1992	180	1	1	1	2
8	University for Development Studies	8	151	3137	Ghana	1992	119	0	0	6	13
9	University of Energy and Natural Resources	9	205	3653	Ghana	2011	88	0	0	1	2
10	CK Tedam University of Technology and Applied Sciences	10	219	3892	Ghana	2019	56	0	0	1	3
11	Navrongo Health Research Centre	11	222	3943	Ghana	1992	7	0	0	1	2
12	Akenten Appiah Menka University of Skills Training and Entrepreneurial Development	12	232	4010	Ghana	2020	47	0	0	1	1
13	University of Environment and Sustainable Development	13	233	4011	Ghana	2020	39	0	0	1	1
14	Koforidua Technical University	14	234	4019	Ghana	1997	25	0	0	1	1
15	Takoradi Technical University	15	240	4044	Ghana	1954	50	0	0	1	1

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Ghana Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
16	University of Mines & Technology Tarkwa	16	276	4445	Ghana	2004	102	0	0	0	1
17	Simon Diedong Dombo University of Business and Integrated Development Studies	17	279	4460	Ghana	2019	119	0	0	0	2
18	Cape Coast Technical University	18	301	4618	Ghana	1986	49	0	0	0	1
19	University of Professional Studies Accra	19	346	5077	Ghana	1965	15	0	0	0	0
20	Accra Technical University	20	354	5123	Ghana	1949	75	0	0	0	1
21	Tamale Technical University	21	367	5240	Ghana	1950	35	0	0	0	0
22	BlueCrest College	22	411	5642	Ghana	2000	6	0	0	0	0
23	Kumasi Technical University	23	438	6033	Ghana	1954	61	0	0	0	0
24	Ho Technical University	24	440	6044	Ghana	1968	86	0	0	0	0
25	Sunyani Technical University	25	456	6167	Ghana	1983	29	0	0	0	0
26	Bolgatanga Polytechnic	26	542	7143	Ghana	1999	6	0	0	0	0
27	Ensign Global College	27	553	7348	Ghana	2013	3	0	0	0	0
28	Ghana Institute of Journalism	28	561	7595	Ghana	1959	15	0	0	0	0
29	Dr. Hilla Limann Technical University	29	568	7650	Ghana	1999	15	0	0	0	0
30	Lancaster University, Ghana	30	604	8057	Ghana	2013	5	0	0	0	0
31	Regentropfen College of Applied Sciences	31	637	8326	Ghana	2000	6	0	0	0	0
32	Heritage Christian College Ghana	32	4412	9232	Ghana	1999	2	0	0	0	0

Table V. Private Universities in Ghana top 5.000

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Ghana Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Catholic University College of Ghana	1	48	2031	Ghana	2003	16	0	0	1	1
2	Accra Institute of Technology	2	51	2078	Ghana	2009	6	0	0	1	1
3	Central University	3	88	2818	Ghana	1997	26	0	0	0	0
4	Presbyterian University College	4	114	3313	Ghana	2003	18	0	0	0	1
5	Regent University College of Science and Technology	5	120	3409	Ghana	2003	8	0	0	0	1
6	Valley View University	6	138	3804	Ghana	1979	45	0	0	0	0
7	Christian Service University College	7	142	3893	Ghana	1974	9	0	0	0	0
8	Ashesi University	8	147	3990	Ghana	2002	16	0	0	0	0
9	Kaaf University College	9	155	4215	Ghana	2007	7	0	0	0	0
10	Methodist University College Ghana	10	168	4460	Ghana	2000	16	0	0	0	0
11	Dominion University College	11	172	4500	Ghana	2009	5	0	0	0	0
12	Garden City University College	12	182	4641	Ghana	2001	12	0	0	0	0
13	Regional Maritime University	13	183	4644	Ghana	1983	12	0	0	0	0
14	Academic City University College	14	193	4856	Ghana	2009	6	0	0	0	0
15	Crown University	15	207	5159	Ghana	1916	2	0	0	0	0
16	Wisconsin International University College	16	218	5522	Ghana	2000	16	0	0	0	0
17	Pentecost University College	17	228	5711	Ghana	2003	8	0	0	0	0
18	All Nations University College	18	264	6404	Ghana	2005	7	0	0	0	0
19	West End University College	19	271	6478	Ghana	2010	6	0	0	0	0
20	Evangelical Presbyterian University College	20	272	6489	Ghana	2008	6	0	0	0	0

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Ghana Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
21	African University College of Communications	21	283	6657	Ghana	2001	3	0	0	0	0
22	Perez University College	22	290	6765	Ghana	2001	2	0	0	0	0
23	Anglican University College of Technology	23	292	6791	Ghana	2008	2	0	0	0	0
24	Islamic University College of Ghana	24	293	6807	Ghana	2000	2	0	0	0	0
25	Ghana Baptist University College	25	308	7179	Ghana	2006	5	0	0	0	0
26	Kessben University College	26	326	7326	Ghana	2015	4	0	0	0	0
27	Zenith University College	27	330	7382	Ghana	2001	3	0	0	0	0
28	Knutsford University College	28	337	7497	Ghana	2005	2	0	0	0	0
29	Catholic Institute of Business and Technology	29	344	7585	Ghana	2007	2	0	0	0	0
30	Mountcrest University College	30	357	7769	Ghana	2008	1	0	0	0	0
31	Laweh Open University	31	360	7781	Ghana	2014	1	0	0	0	0
32	University College of Management Studies	32	362	7834	Ghana	1974	1	0	0	0	0
33	Spiritan University College	33	375	7996	Ghana	1990	1	0	0	0	0
34	Kings University College	34	381	8019	Ghana	2009	1	0	0	0	0

Table VI. Young Universities in Ghana Top 5.000

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Ghana 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 of Health and Allied Sciences	3	39	1630	Ghana	2011	152	3	6	10	13
2	Ghana Communication Technology University GCTU	5	106	2870	Ghana	2005	74	0	2	2	4
3	University of Education Winneba	7	151	3826	Ghana	1992	180	1	1	1	2
4	University for Development Studies	8	173	4338	Ghana	1992	119	0	0	6	13
5	University of Energy and Natural Resources	9	234	5157	Ghana	2011	88	0	0	1	2
6	CK Tedam University of Technology and Applied Sciences	10	251	5524	Ghana	2019	56	0	0	1	3
7	Navrongo Health Research Centre	11	255	5624	Ghana	1992	7	0	0	1	2
8	Akenten Appiah Menka University of Skills Training and Entrepreneurial Development	12	267	5744	Ghana	2020	47	0	0	1	1
9	University of Environment and Sustainable Development	13	268	5746	Ghana	2020	39	0	0	1	1
10	Koforidua Technical University	14	269	5764	Ghana	1997	25	0	0	1	1
11	Catholic University College of Ghana	16	300	6268	Ghana	2003	16	0	0	1	1
12	Accra Institute of Technology	17	305	6343	Ghana	2009	6	0	0	1	1
13	University of Mines & Technology Tarkwa	18	332	6636	Ghana	2004	102	0	0	0	1
14	Simon Diedong Dombo University of Business and Integrated Development Studies	19	335	6656	Ghana	2019	119	0	0	0	2

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Ghana Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
15	Cape Coast Technical University	20	359	6938	Ghana	1986	49	0	0	0	1
16	Central University	23	452	8033	Ghana	1997	26	0	0	0	0
17	BlueCrest College	25	519	8855	Ghana	2000	6	0	0	0	0
18	Presbyterian University College	26	531	9044	Ghana	2003	18	0	0	0	1
19	Regent University College of Science and Technology	27	543	9207	Ghana	2003	8	0	0	0	1
20	Valley View University	30	589	9961	Ghana	1979	45	0	0	0	0
21	Sunyani Technical University	31	595	9983	Ghana	1983	29	0	0	0	0
22	Christian Service University College	32	608	10155	Ghana	1974	9	0	0	0	0
23	Ashesi University	33	624	10363	Ghana	2002	16	0	0	0	0
24	Kaaf University College	34	648	10784	Ghana	2007	7	0	0	0	0
25	Methodist University College Ghana	35	681	11239	Ghana	2000	16	0	0	0	0
26	Dominion University College	36	691	11323	Ghana	2009	5	0	0	0	0
27	Garden City University College	37	715	11583	Ghana	2001	12	0	0	0	0
28	Regional Maritime University	38	716	11593	Ghana	1983	12	0	0	0	0
29	Bolgatanga Polytechnic	39	734	11997	Ghana	1999	6	0	0	0	0
30	Academic City University College	40	735	12000	Ghana	2009	6	0	0	0	0
31	Ensign Global College	41	758	12457	Ghana	2013	3	0	0	0	0
32	Wisconsin International University College	44	783	13164	Ghana	2000	16	0	0	0	0
33	Dr. Hilla Limann Technical University	45	786	13178	Ghana	1999	15	0	0	0	0
34	Pentecost University College	46	809	13499	Ghana	2003	8	0	0	0	0
35	Lancaster University, Ghana	47	853	14130	Ghana	2013	5	0	0	0	0
36	All Nations University College	48	891	14686	Ghana	2005	7	0	0	0	0

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Ghana Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
37	Regentropfen College of Applied Sciences	49	905	14773	Ghana	2000	6	0	0	0	0
38	West End University College	50	916	14834	Ghana	2010	6	0	0	0	0
39	Evangelical Presbyterian University College	51	919	14856	Ghana	2008	6	0	0	0	0
40	African University College of Communications	52	943	15160	Ghana	2001	3	0	0	0	0
41	Perez University College	53	957	15372	Ghana	2001	2	0	0	0	0
42	Anglican University College of Technology	54	961	15420	Ghana	2008	2	0	0	0	0
43	Islamic University College of Ghana	55	963	15448	Ghana	2000	2	0	0	0	0
44	Ghana Baptist University College	56	1005	16154	Ghana	2006	5	0	0	0	0
45	Kessben University College	57	1030	16445	Ghana	2015	4	0	0	0	0
46	Zenith University College	58	1037	16538	Ghana	2001	3	0	0	0	0
47	Heritage Christian College Ghana	59	9074	16704	Ghana	1999	2	0	0	0	0
48	Knutsford University College	60	1052	16750	Ghana	2005	2	0	0	0	0
49	Catholic Institute of Business and Technology	61	1063	16920	Ghana	2007	2	0	0	0	0
50	Mountcrest University College	62	1084	17274	Ghana	2008	1	0	0	0	0
51	Laweh Open University	63	1088	17303	Ghana	2014	1	0	0	0	0
52	University College of Management Studies	64	1093	17419	Ghana	1974	1	0	0	0	0
53	Spiritan University College	65	1114	17762	Ghana	1990	1	0	0	0	0
54	Kings University College	66	1125	17833	Ghana	2009	1	0	0	0	0

Table VII. Institutions in Ghana top 5.000

#	Institution	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Ghana Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Ghana Health Service	1	31	1545	Ghana	1996	6	0	1	1	1
2	Ghana Atomic Energy Commission	2	48	1866	Ghana	2012	44	0	0	1	2
3	CSIR-Forestry Research Institute of Ghana	3	49	1882	Ghana	2006	14	0	0	1	1
4	Crops Research Institute Ghana	4	61	2059	Ghana	1959	42	0	0	0	0
5	Kintampo Health Research Centre	5	63	2073	Ghana	1994	16	0	0	0	1
6	Kofi Annan International Peacekeeping Training Centre	6	92	2356	Ghana		2	0	0	0	1
7	Cocoa Research Institute of Ghana	7	105	2469	Ghana	1938	8	0	0	0	0
8	Data Link Institute	8	134	2695	Ghana	1993	7	0	0	0	0
9	Public Utilities Regulatory Commission	9	153	2830	Ghana	1997	1	0	0	0	0
10	National Film and Television Institute	10	158	2863	Ghana	1978	4	0	0	0	0
11	College of Health, Yamfo	11	160	2875	Ghana	2015	2	0	0	0	0
12	Ghana-India Kofi Annan Centre of Excellence in ICT	12	169	2939	Ghana	2003	1	0	0	0	0

Table VIII. Companies in Ghana top 5.000

#	Company	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Ghana Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Ghana Water Company Limited	1	24	1873	Ghana	1993	1	0	0	0	0
2	Ghana National Gas Company	2	25	1895	Ghana	2011	1	0	0	0	0
3	GCB Bank	3	32	1961	Ghana	1953	1	0	0	0	0

Table IX. Hospitals in Ghana top 5.000

#	Hospital	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in Ghana Top 5.000	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Korle Bu Teaching Hospital	1	1	181	Ghana	1923	7	0	0	0	2
2	Tamale Teaching Hospital	2	5	269	Ghana		4	0	0	0	0
3	37 Military Hospital	3	9	319	Ghana	1941	1	0	0	0	0