



Rankings for Scientist

More Than a Ranking

Botswana's Universities and Research Institutions:

**Comprehensive Analysis of 14 Universities and
Institutions and 496 Scientists**

AD Scientific Index 2025



Botswana's Universities and Research Institutions: Comprehensive Analysis of 14 Universities and Institutions and 496 Scientists World Scientist and University Rankings 2025

(Total 2.625.137 scientist, 221 country, 24.551 university)

1. What is the AD Scientific Index (Alper-Doger Scientific Index)?

Developed in 2021 by **Prof. Dr. Murat Alper** and **Assoc. Prof. Dr. Cihan Döger**, the AD Scientific Index is an **independent and international ranking system** that provides a multidimensional evaluation of the academic performance of scientists and institutions. Key highlights include:

- **Original academic rankings, detailed analyses, and comparative results**
 - A resource guiding **policy development** to enhance scientific contributions and productivity
 - Analysis of 2.625.137 **scientists** and 24.551 **institutions** across **13 major academic fields** and **211 disciplines**, covering 221 **countries**
 - **Data sourced from Google Scholar** and subjected to rigorous multi-stage filtering processes
 - Evaluation based on **total and last six years' H-index, i10-index, and citation counts**. **Real-time updates ensure that rankings reflect current academic performance.**
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2. Why is the AD Scientific Index (Alper-Doger Scientific Index) Needed?

□ Most **international university rankings** consider parameters like:

- **Research productivity, impact, excellence**
- **Educational quality**
- **Faculty quality**
- **Research output**
- **Per capita performance**

□ Many of these rely heavily on **publication and citation counts** as key indicators of academic performance. However, these methods:

- Vary in **data sources** (e.g., SCIE, SSCI, InCites)

- Differ in what types of publications they count (articles, notes, conference papers, etc.)
- May emphasize **high-impact journals** (e.g., *Nature*, *Science*, *PNAS*)
- Often use **H-index**, top 5% journals by impact factor, total citations, and other indicators
- Frequently face **redundancy** (measuring the same aspect multiple times), leading to “indicator alignment”
- Rarely exceed coverage of **1,500-3,000 institutions** or **70-100 countries** due to these limitations

□ How AD Scientific Index Addresses These Gaps

- Focuses on **both total and six-year productivity** (H-index, i10-index, citation data)
- Ranks **individual scientists** as well as **academic fields, institutions, and countries**
- **Broad coverage** spanning countries, regions, institutions, disciplines, languages, and publication types
- Ensures **equal opportunities** for comparison with a **fair and transparent** methodology
- **No reliance on non-public or invisible parameters** in ranking formulas.

3. What are the H-index and i10-index?

- **H-index:** Evaluates both productivity and citation impact. An H-index of h means the researcher has h papers each cited at least h times.
- **i10-index** (calculated by Google Scholar): Counts the number of publications with **at least 10 citations**.

These metrics:

- Offer insight into **consistent academic influence**
- **Higher values** indicate more sustained impact

4. The Importance of Last 6 Years Metrics

The AD Scientific Index places special emphasis on **Last 6 Years** metrics to reveal **recent academic performance**:

- **Total H-index, i10-index, citation count:** Show long-term academic impact
- **Last 6 Years H-index, i10-index, citations:** Highlight **current contributions** and **relevance** in evolving fields
- Focuses on **impact continuation** over the last six years, not just publication dates
- Ensures **up-to-date perspective** in identifying leading contributors and institutions

5. How Is the “AD Scientific Index” Different from Other

Rankings?

□ Multi-Dimensional Analysis

- **Comprehensive Metrics:** Integrates total and last-six-year H-index, i10-index, and citation counts to provide a **broad** and **balanced** picture of academic impact.
- **Layered Comparisons:** Enables evaluations at **global, continental, national, and city** levels, as well as **public** and **private** institutions, revealing both **long-term influence** and **current momentum**.

□ Focus on Individual Scientists

- **Foundation of Institutional Success:** Genuine **breakthroughs** and **reputation** stem from individual scientists.
- **Beyond Broad Factors:** While other rankings often focus on “international reputation” or “teaching quality,” the AD Scientific Index homes in on **concrete achievements**, emphasizing the **true** drivers of institutional excellence.

□ Accessible and Inclusive Data

- **Extensive Coverage:** Utilizes **publicly available** Google Scholar data, carefully screened, to assess researchers across every field, country, and type of institution.

□ Equal Opportunity

- **Fair Recognition:** Offers **equitable** acknowledgment to all scientists and institutions, **regardless of geographical or institutional background**.
- **Seamless Participation:** The system is **easy to join** on both individual and institutional levels, making academic performance **visible at every tier, in near real time**.

□ Democratic and Universal Approach

- **Global Level Playing Field:** Reflects how individual accomplishments shape the overall performance of institutions **worldwide**.
- **Commitment to Transparency:** Employs **impartial, reproducible** methods, ensuring **equal** conditions for prominent research universities and smaller colleges alike.

□ Identifying Misconduct

- **Guardian of Integrity:** Acts as an **early warning system** against plagiarism, unethical authorship (e.g., gift authorship), or excessive publication practices.
 - **Institutional and Individual Accountability:** Ensures that **authentic academic contributions** remain in the spotlight by uncovering ethical violations, safeguarding the **credibility** of researchers and institutions.
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6. Unique Features of the “AD Scientific Index”

□ Academic and Economic Independence

- Operates entirely free from external influences, ensuring that evaluations focus **exclusively** on academic merit.
- Maintains **objective** and **transparent** standards without commercial or political pressure.

□ Transparent and Rigorous Methodology

- Relies on **open-source**, verifiable data combined with **clearly defined** algorithms and weighting.
- Corrects errors within **one week** and strictly **upholds impartiality** to preserve credibility and accuracy.

□ Comprehensive Evaluation

- Provides **both total and last-six-year metrics** (H-index, i10-index, citations) for universities, institutions, hospitals, and companies.
- Allows stakeholders to assess **long-term trends** alongside **recent performance** at a glance.

□ Institutional Progress Analysis

- Monitors and analyzes **institutional development** over the last six years, highlighting growth trajectories and performance shifts.

□ Public vs. Private Comparison

- Offers **direct comparisons** among public universities, as well as with private universities, companies, hospitals, and research institutes.
- Illuminates **sector-wide benchmarks** for a broader context of academic achievement.

□ Scientific Ranking Distribution

- Examines **academic staff rankings** within each institution, showing percentile-based standings to pinpoint **individual and collective strengths**.

□ Individual Status Tracking

- Presents **detailed** profiles for researchers (H-index, i10-index, citations), delivering clear insights into each scholar’s **impact and influence**.

□ Global and Regional Rankings

- Encompasses **2.625.137 individuals** from 24.551 **institutions** across 221 **countries** and **10 regions**, covering a wide array of disciplines.
- Enables **branch-** and **sub-discipline-specific** evaluations for targeted insights. **individuals** from **institutions**,

□ Top List Reports

- Generates **country-level, regional, and global** top lists, serving as valuable resources for benchmarking and recognition.

□ Constantly Updated Rankings

- Ensures **continuous** data refresh, with citation metrics updated **every 10-15 days** and rankings recalculated **every two days**.
- Offers users an **up-to-date** view of academic performance.

□ Valuing Feedback and Contributions

- Incorporates community input to **refine** the methodology and maintain **data accuracy**.
- Facilitates a **collaborative** approach that keeps rankings current and reliable.

□ Increased Visibility & Early Detection of Ethical Violations

- Sheds light on unethical practices (e.g., gift authorship, citation cartels, fake paper factories), promoting **academic integrity** through transparency.
- Helps **identify** and **address** potential misconduct **promptly**.

□ Art and Humanities Rankings & Social Sciences and Humanities Rankings

- Provides **dedicated rankings** that accurately represent these fields, leveraging Google Scholar's **broad coverage**.
- Ensures these disciplines receive **fair, detailed** visibility alongside STEM areas.

7. Comprehensive and Inclusive Data Source Strategy

Most ranking organizations use **Scopus, Web of Science, Google Scholar**, or **Nature Index**. Each has strengths and limitations.

□ Our Approach:

- **Global, practical, inclusive** methodology
- **Robust auditing** to mitigate data source limitations
- **Continuous data cleansing** (nearly 1 million profiles reviewed; many deleted)
- Ongoing **quality improvements** ensure increasingly accurate, real-time rankings.

8. How Frequently Are AD Scientific Index Rankings Updated?

- **New entries, deletions, corrections** typically visible within **1-3 days**
- H-index, i10-index, and citation numbers are **updated every 15 days**, while the **ranking is refreshed every 2 days**.

- Data primarily from **Google Scholar** with a focus on **standardizing names, institutions, and data**
 - **User contributions** to enhance data accuracy are always welcome
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9. How Can I Be Included in the List?

- Currently includes **2.625.137 scientists** from 24.551 **institutions** across 221 **countries**
 - **New additions** are limited to **individual** and **institutional registrations** via the "Register" link on the website
 - **No automatic inclusion** of every profile to maintain **accuracy** and **data integrity**
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10. Who Can Be Included in the List and Reasons for Exclusion

- **2.625.137 scientists** included, but some are **not** listed due to:
- **Technical and resource limitations:** Because a very broad sample group has formed, our priority is to maintain the highest level of data accuracy and cleanliness. Therefore, we do not aim for unlimited expansion of the database, meaning we do not add every publicly accessible profile to the system.
- **No public Google Scholar profile**
- **Personal preference** or **request to be removed**
- **Incomplete or inaccurate** profile information
- When a profile is no longer publicly visible, the individual's scores (e.g., h-index, i10 index, citation counts) are displayed as **zero** until the profile is made public again.
- **Ethical concerns:** Cases such as presenting others' publications as one's own, including misleading or fabricated academic outputs, having retracted papers in the profile, etc., and related complaints are evaluated. If such violations are detected, the respective profiles are **immediately removed** from the list.

Institutions and **countries** are encouraged to **verify profiles** for **accuracy** and **integrity**. Profiles violating ethical standards may be removed **without refund** (even for paid registrations).

11. Is Registration Required to View Your Ranking?

- **Not required** to see your ranking in the AD Scientific Index. You can estimate your approximate ranking by looking at the rankings of individuals with similar scores. **Required** if you wish to be included **with all detailed elements** in the ranking
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12. How AD Scientific Index Ranks Scientists and Institutions?

□ Key Indicators

1. **Total H-index scores**
2. **Last 6 years' H-index scores**
3. **Total i10 index scores**
4. **Last 6 years' i10 index scores**
5. **Total number of citations**
6. **Number of citations in the last 6 years**

Ranking Criteria - Overview

Scientist and institution rankings in the AD Scientific Index are calculated based on multiple bibliometric indicators, with **Total H-index** serving as the primary ranking metric in most categories. General, Country, Regional, University, Branch, and Sub-Branch Rankings.

□ **Total H-index Rankings**

Used in: Measures cumulative scientific impact and productivity.

Ranking order:

1. Total H-index
2. Last 6 Years' H-index
3. Total i10 Index
4. Total Citations

□ **Last 6 Years' H-index Rankings**

Measures short-to-mid-term academic performance and sustained impact.

Ranking order:

1. Last 6 Years' H-index
2. Last 6 Years' i10 Index
3. Total H-index
4. Citations in the Last 6 Years

□ **Total i10 Index Rankings**

Measures: Reflects the consistency of influential scholarly output.

Ranking order:

1. Total i10 Index
2. Last 6 Years' i10 Index
3. Total H-index
4. Total Citation Counts

□ **Last 6 Years' i10 Index Rankings**

Measures recent sustained academic productivity and recognition.

Ranking order:

1. Last 6 Years' i10 Index
2. Last 6 Years' H-index
3. Total i10 Index
4. Citations in the Last 6 Years

□ **Total Citations Rankings**

Captures total scientific reach and academic recognition.

Ranking order:

1. Total Citation Counts
2. Citations in the Last 6 Years
3. Total i10 Index
4. Last 6 Years' i10 Index

□ **Citations in the Last 6 Years Rankings**

Indicates present-day influence and citation activity.

Ranking order:

1. Citations in the Last 6 Years
2. Total Citation Counts
3. Last 6 Years' i10 Index
4. Total i10 Index

Institutions are also ranked by these criteria at **national, regional, and global** levels.

▣ Studies Influencing Ranking Due to High Citation Numbers

- For unusually high citations (e.g., **CERN, ATLAS, ALICE, CMS**), authors are marked with an **asterisk “i”** to indicate this distinction.
 - An **alternative list** excludes these studies to ensure balanced rankings.
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13. Why Are Last 6 Years' Ratios Important?

- Reflect **recent productivity and influence**
 - Indicate **impact** of **individual performance** and **institutional policies**
 - Provide a **clear view** of modern academic contributions
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14. Subject Rankings: Which Subjects are Ranked in the AD Scientific Index?

The Index covers **211 sub-disciplines** across various major fields:

- **Agriculture & Forestry:** 15 subfields
- **Architecture & Design:** 4 subfields
- **Business & Management:** 8 subfields
- **Economics & Econometrics:** 6 subfields
- **Education:** 11 subfields
- **Engineering & Technology:** 26 subfields
- **History, Philosophy, Theology:** 3 subfields
- **Law / Legal Studies:** 12 subfields
- **Medical and Health Sciences:** 80 subfields
- **Natural Sciences:** 6 subfields
- **Social Sciences:** 22 subfields
- **Social Sciences and Humanities:** 50 subfields

- **Art and Humanities:** 6 subfields

This **meticulous categorization** aligns with **university departments**, enabling **precise** analysis of academic impact.

15. How Universities Are Ranked in the AD Scientific Index?

- Rankings are based on the **distribution** of scientists within **top percentile ranges** (top % 10, %20, %40, %60, % 80, 90% percentiles and total scientists).
- If two institutions have the **same number** of scientists in a range, the **next percentile range** is considered.
- If a tie persists, the institution with the **higher total number of individual scientists** ranks higher.
- Covers 24.551 **institutions** across:
 - **Total H-index**
 - **Last 6 Years H-index**
 - **Total i10 index**
 - **Last 6 Years i10 index**
 - **Total citations**
 - **Last 6 Years citations**

This approach helps institutions **assess strengths**, **identify areas for improvement**, and supports **cross-border transfer** or **graduation equivalency** evaluations.

16. Young University/Institution Rankings

- Focuses on institutions **established within the last 30 years**. The ranking is formed **by applying the university ranking only among institutions established within the last 30 years**. Demonstrates **global standing** of these “young” entities. Identifies **strengths and weaknesses** to shape future policies
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17. Social Sciences and Humanities Rankings - The AD Scientific Index Advantage

- ✓ **Exclusive Ranking for Social Sciences & Humanities** – Covers fields such as **Business & Management, Economics & Econometrics, Education, History, Philosophy, Theology, Law, and Social Sciences**.
- ✓ **No Overshadowing by STEM Fields** – **Medicine, Engineering, and Natural Sciences are excluded**, ensuring that institutions and scholars in Social Sciences & Humanities receive a **fair and unbiased evaluation**.

✓ **A Balanced and Unique Ranking Approach** – Unlike traditional rankings dominated by STEM disciplines, this ranking **highlights the real academic impact of Social Sciences & Humanities**, ensuring that institutions and researchers in these fields get the visibility they deserve.

✓ **Comprehensive Performance Metrics** – Rankings are conducted at **both institutional and individual levels**, based on **H-index, i10-index, and citation data**, providing a **data-driven and objective assessment of academic excellence**.

✓ **The AD Scientific Index Advantage: With real-time data updates, a transparent methodology, and a strong focus on academic impact**, this ranking ensures that **achievements in Social Sciences & Humanities are properly recognized!**

18. Art and Humanities Rankings

- Specialized ranking for **History, Philosophy, Theology, Linguistics and Literature, Archaeology, and Arts**
 - Ensures **achievements in arts and humanities** are recognized
 - Provides **balanced evaluation** free from STEM dominance
 - Explorable at **institutional** and **individual** levels (H-index, i10 index, citations)
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19. Pricing Policy

□ Free Services

- **No charge** for accessing individual and institutional rankings via the **main category pages**
- **Most comprehensive academic data** (for individuals and institutions) is **freely accessible** on AD Scientific Index

□ Premium Services

- **One-time fee** (covering three years) for:
 - More **comprehensive analyses**
 - Ability to **input and modify** data on Scientist and Institution pages
 - **Full control** over your academic profile
- **Differentiated pricing** based on **income levels** of countries
- **Strict deletion policy** for unethical or misleading profiles applies to **all** users (including paid)

We remain **academically and economically independent**, offering unbiased services to the academic community.

20. Privacy - Data Policy

- We respect **personal rights** and **data deletion requests**.
- **Click here** for more information on our privacy and data policies.

21. Contact

22. FAQ Frequently Asked Questions and Answer

Table I. Scientists in Botswana: Ranking and Analysis

#	Country	Country Region Rank	Country World Rank	Total Institutions	Total Scientist
1	Botswana	18	112	14	496

Table II. All Types of Institutions in Botswana: Ranking and Analysis

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Botswana International University of Science & Technology	1	110	3623	Botswana	Private	2005	0	6	16	28
2	Botswana University of Agriculture and Natural Resources	2	130	3993	Botswana	Public	1991	1	5	10	17
3	University of Botswana	3	140	4205	Botswana	Public	1982	0	4	16	32
4	Botswana-Harvard AIDS Institute Partnership	4	237	6418	Botswana	Institution	1996	0	2	2	2
5	Botho University	5	719	13621	Botswana	Private	1997	0	0	0	1
6	Botswana Institute for Technology Research and Innovation	6	804	14742	Botswana	Institution	2012	0	0	0	2
7	Boitekanelo College	7	892	16111	Botswana	Private	2017	0	0	0	1
8	Botswana Open University	8	924	16660	Botswana	Public	2017	0	0	0	1
9	Botswana Accountancy College	9	963	17098	Botswana	Public	1996	0	0	0	0
10	Botswana College of Agriculture	10	1014	17747	Botswana	Public	1991	0	0	0	1
11	Botswana Geoscience Institute	11	1079	18974	Botswana	Institution	2014	0	0	0	0
12	BA ISAGO University	12	1136	19858	Botswana	Private	2002	0	0	0	0
13	New Era College	13	1287	21712	Botswana	Private	2008	0	0	0	0
14	Botswana Institute for Development Policy Analysis	14	1414	23359	Botswana	Institution	1995	0	0	0	0

Table III. Universities in Botswana: Comprehensive Ranking and Analysis

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Botswana International University of Science & Technology	1	98	2477	Botswana	Private	2005	0	6	16	28
2	Botswana University of Agriculture and Natural Resources	2	112	2706	Botswana	Public	1991	1	5	10	17
3	University of Botswana	3	121	2838	Botswana	Public	1982	0	4	16	32
4	Botho University	4	595	9699	Botswana	Private	1997	0	0	0	1
5	Boitekanelo College	5	741	11807	Botswana	Private	2017	0	0	0	1
6	Botswana Open University	6	771	12262	Botswana	Public	2017	0	0	0	1
7	Botswana Accountancy College	7	804	12653	Botswana	Public	1996	0	0	0	0
8	Botswana College of Agriculture	8	847	13237	Botswana	Public	1991	0	0	0	1
9	BA ISAGO University	9	941	14799	Botswana	Private	2002	0	0	0	0
10	New Era College	10	1071	16335	Botswana	Private	2008	0	0	0	0

Table IV. Public Universities in Botswana: Ranking and Analysis

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Botswana University of Agriculture and Natural Resources	1	100	2188	Botswana	1991	1	5	10	17
2	University of Botswana	2	107	2277	Botswana	1982	0	4	16	32
3	Botswana Open University	3	560	7287	Botswana	2017	0	0	0	1
4	Botswana Accountancy College	4	578	7461	Botswana	1996	0	0	0	0
5	Botswana College of Agriculture	5	600	7725	Botswana	1991	0	0	0	1

Table V. Private Universities in Botswana: Ranking and Analysis

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Botswana International University of Science & Technology	1	8	447	Botswana	2005	0	6	16	28
2	Botho University	2	144	3639	Botswana	1997	0	0	0	1
3	Boitekanelo College	3	202	4734	Botswana	2017	0	0	0	1
4	BA ISAGO University	4	298	6389	Botswana	2002	0	0	0	0
5	New Era College	5	351	7184	Botswana	2008	0	0	0	0

Table VI. Young Universities in Botswana: Ranking and Analysis

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Botswana International University of Science & Technology	1	98	2477	Botswana	2005	0	6	16	28
2	Botho University	4	595	9699	Botswana	1997	0	0	0	1
3	Boitekanelo College	5	741	11807	Botswana	2017	0	0	0	1
4	Botswana Open University	6	771	12262	Botswana	2017	0	0	0	1
5	Botswana Accountancy College	7	804	12653	Botswana	1996	0	0	0	0
6	BA ISAGO University	9	941	14799	Botswana	2002	0	0	0	0
7	New Era College	10	1071	16335	Botswana	2008	0	0	0	0

Table VII. Institutions in Botswana: Ranking and Analysis

#	Institution	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Botswana-Harvard AIDS Institute Partnership	1	38	1649	Botswana	1996	0	2	2	2
2	Botswana Institute for Technology Research and Innovation	2	123	2665	Botswana	2012	0	0	0	2
3	Botswana Geoscience Institute	3	169	3054	Botswana	2014	0	0	0	0
4	Botswana Institute for Development Policy Analysis	4	215	3371	Botswana	1995	0	0	0	0

Table VIII. Companies in Botswana: Ranking and Analysis

#	Company	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
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Table IX. Hospitals in Botswana: Ranking and Analysis

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