



Rankings for Scientist

More Than a Ranking

**Turkmenistan's Universities and Research Institutions:
Comprehensive Analysis of 5 Universities and Institutions
and 21 Scientists**

AD Scientific Index 2025



Turkmenistan's Universities and Research Institutions: Comprehensive Analysis of 5 Universities and Institutions and 21 Scientists World Scientist and University Rankings 2025

(Total 2.626.054 scientist, 221 country, 24.516 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 2.626.054 **scientists** and 24.516 **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**. **Rankings are updated every few days, offering near real-time accuracy that reflects current academic performance.**

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.
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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
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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
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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 **2.626.054 individuals** from 24.516 **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.

□ Continuously Refreshed Rankings (Near Real-Time)

- Ensures **continuous** data refresh, with H index, i10 index and citation metrics updated **every 10-20 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 and up-to-date rankings, approaching real-time accuracy.

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. Who Can Be Included in the List and How Does the Inclusion Process Work?

- AD Scientific Index currently includes data on **2.626.054 scientists** from 24.516 **institutions** across 221 **countries**. While these figures represent one of the broadest samples available globally, we would like to emphasize that listing all researchers with a public Google Scholar profile is not our objective, and such profiles are not automatically included in the system.

The primary ways to be included are:

- **Paid Individual or Institutional Registration:** Researchers and institutions who wish to ensure immediate inclusion may do so by registering through the **“Register”** link on our website.

We would like to kindly emphasize that **automatically including all publicly available Google Scholar profiles is not part of our model**, as it would compromise data quality and system sustainability. Maintaining the integrity of the index involves:

- Multi-layered verification of data accuracy
- Continuous updates to citation and index scores
- Ethical checks
- Monitoring of affiliation changes
- Tracking of institutional mergers, closures, and renamings
- Responsible handling of profiles of deceased individuals

Given these demands, we prioritize a **manageable, meaningful, and accessible data structure** over unlimited expansion. Our approach aims to provide **equitable representation** for countries and institutions worldwide within the boundaries of operational feasibility.

Additional reasons a profile may not appear or may be temporarily removed from the index include:

- **Hidden or Deleted Profiles:** If a previously listed profile is hidden or deleted, the associated metrics (e.g., h-index, i10 index, citation count) may be shown as zero or removed. If the profile becomes public again and has not been permanently deleted, previous scores are automatically restored.
- **Ethical Considerations:** In cases involving false authorship, retracted publications, citation manipulation, or fabricated content, profiles may be removed from the system—even if registered—without refund.
- **Voluntary Removal:** We respect researchers' preferences and remove profiles upon request.

As a result, **some researchers from a given institution may appear in the index while others do not**. This outcome reflects the structure and practical boundaries of the system, and **should not be perceived as a reflection of an individual's academic qualifications**.

Researchers and institutions who would like to increase their visibility are encouraged to explore our **individual or institutional registration** options based on their needs.

10. 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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11. 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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12. 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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13. 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.

14. 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 24,516 **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.

15. 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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16. 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 regularly refreshed data, a transparent methodology, and a strong focus on academic impact, this ranking ensures that achievements in Social Sciences & Humanities are properly recognized.!

17. 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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18. 360° Real-Time Institutional Analysis

Find out where your university stands in global rankings with real-time data and gain key insights. Compare your position, strengths, and weaknesses in real-time against 24.516 universities worldwide at city, national, regional, and global levels. **Benchmark against similar institutions across 13 major fields. Identify the most suitable scholars for your strategic transfer goals with a data-driven approach, and gain a competitive edge.** [Start Exploring for Free & Gain Insights Now!](#)

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.

20. Contact

21. FAQ Frequently Asked Questions and Answer

360° Real-Time Institutional Analysis

Strategic Intelligence to Shape Your Academic Future

□ Propel Your Institution to the Pinnacle of Global Academia

Submit Request

□ Transform Your Academic Power — Stay Ahead of the Competition

Instantly see where your institution stands among **24.505** universities worldwide.

Gain strategic insights, enhance your rankings, and surpass competitors with real-time, data-driven decisions.

□ Aligned with Global Higher Education Excellence Frameworks

Aligned with Global Higher Education Excellence Frameworks

Whether your institution seeks to excel under India's **NIRF** and **NAAC**, Brazil's **CAPES**, Mexico's **CONACYT**, the USA's **Carnegie Classification**, the UK's **Research Excellence Framework (REF)**, Australia's **ERA**, Japan's

Table I. Scientists in Turkmenistan: Ranking and Analysis

#	Country	Country Region Rank	Country World Rank	Total Institutions	Total Scientist
1	Turkmenistan	48	213	5	21

Table II. All Types of Institutions in Turkmenistan: 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	Oguz Han Engineering and Technology University of Turkmenistan	1	10742	22534	Turkmenistan	Public	2016	0	0	0	0
2	Institute of Telecommunications and Informatics of Turkmenistan	2	10744	22537	Turkmenistan	Institution	1992	0	0	0	0
3	Turkmen State Institute of Economics and Management	3	11372	23668	Turkmenistan	Institution	1980	0	0	0	0
4	Magtymguly Turkmen State University	4	11657	24217	Turkmenistan	Public	1931	0	0	0	0
5	State Medical University of Turkmenistan	5	11684	24258	Turkmenistan	Public	1931	0	0	0	0

Table III. Universities in Turkmenistan: 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	Oguz Han Engineering and Technology University of Turkmenistan	1	9234	17035	Turkmenistan	Public	2016	0	0	0	0
2	Magtymguly Turkmen State University	2	10015	18386	Turkmenistan	Public	1931	0	0	0	0
3	State Medical University of Turkmenistan	3	10037	18430	Turkmenistan	Public	1931	0	0	0	0

Table IV. Public Universities in Turkmenistan: 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	Oguz Han Engineering and Technology University of Turkmenistan	1	4556	9484	Turkmenistan	2016	0	0	0	0
2	Magtymguly Turkmen State University	2	4952	10163	Turkmenistan	1931	0	0	0	0
3	State Medical University of Turkmenistan	3	4964	10183	Turkmenistan	1931	0	0	0	0

Table V. Private Universities in Turkmenistan: 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%
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Table VI. Young Universities in Turkmenistan: 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	Oguz Han Engineering and Technology University of Turkmenistan	1	9234	17035	Turkmenistan	2016	0	0	0	0

Table VII. Institutions in Turkmenistan: 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	Institute of Telecommunications and Informatics of Turkmenistan	1	1000	3306	Turkmenistan	1992	0	0	0	0
2	Turkmen State Institute of Economics and Management	2	1034	3400	Turkmenistan	1980	0	0	0	0

Table VIII. Companies in Turkmenistan: 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 Turkmenistan: 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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