Rankings for Scientist

More Than a Ranking

AD Scientific Index

Czech Republic's Universities and Research Institutions:

Comprehensive Analysis of 95 Universities and Institutions and 8,717 Scientists

AD Scientific Index 2025

April 15 2025

Czech Republic's Universities and Research Institutions: Comprehensive Analysis of 95 Universities and Institutions and 8,717 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 Döğer**, 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.

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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.

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.

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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.

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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).

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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.

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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.

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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!**

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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 Czech Republic: Ranking and Analysis

#	Country	Country Region Rank	Country World Rank	Total Institutions	Total Scientist
1	Czech Republic	21	44	96	8717

Table II. All Types of Institutions in Czech Republic: 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	Charles University in Prague	1	181	462	Czech Republic	Public	1348	16	135	358	562
2	Masaryk University in Brno	2	365	890	Czech Republic	Public	1919	11	57	165	292
3	Palacký University Olomouc	3	434	1065	Czech Republic	Public	1573	5	43	96	151
4	Czech Technical University in Prague	4	499	1218	Czech Republic	Public	1707	9	36	118	227
5	Institute of Physics, Czech Republic	5	526	1293	Czech Republic	Institution	1784	7	34	70	110
6	University of Chemistry and Technology Prague	6	594	1461	Czech Republic	Public	1952	2	28	65	94
7	Czech University of Life Sciences Prague	7	619	1510	Czech Republic	Public	1906	2	26	70	116
8	Brno University of Technology	8	673	1618	Czech Republic	Public	1899	4	23	76	165
9	Institute of Botany CAS	9	761	1837	Czech Republic	Institution	2016	2	20	34	39
10	University of South Bohemia in Ceské Budejovice	10	775	1871	Czech Republic	Public	1991	5	19	47	65
11	Academy of Sciences of the Czech Republic	11	916	2255	Czech Republic	Institution	1992	2	14	36	51
12	Institute of Organic Chemistry and Biochemistry CAS	12	968	2400	Czech Republic	Institution	1953	1	13	24	29
13	Technical University of Ostrava	13	985	2437	Czech Republic	Public	1849	1	12	44	98
14	Institute of Macromolecular Chemistry CAS	14	1136	2868	Czech Republic	Institution	1918	1	10	15	21

#	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%
15	Institute of Molecular Genetics of the CAS	15	1193	3023	Czech Republic	Institution	1962	0	9	13	18
16	University of West Bohemia	16	1210	3083	Czech Republic	Public	1991	1	8	25	74
17	University of Ostrava	17	1211	3087	Czech Republic	Public	1991	1	8	25	45
18	J. Heyrovsky Institute of Physical Chemistry of the CAS	18	1235	3161	Czech Republic	Institution	2018	1	8	17	25
19	University of Hradec Králové	19	1245	3179	Czech Republic	Public	1964	2	8	15	34
20	Mendel University in Brno	20	1365	3501	Czech Republic	Public	1919	1	6	27	48
21	Institute of Plasma Physics CAS	21	1394	3595	Czech Republic	Institution	1978	1	6	18	22
22	University of Pardubice	22	1418	3672	Czech Republic	Public	1950	0	6	13	22
23	Institute of Computer Science of the CAS	23	1433	3712	Czech Republic	Institution	1975	0	6	11	21
24	Institute of Parasitology of the CAS	24	1435	3717	Czech Republic	Institution	1993	0	6	11	17
25	Tomas Bata University in Zlín	25	1474	3845	Czech Republic	Public	2001	0	5	17	34
26	Silesian University Opava	26	1501	3949	Czech Republic	Public	1991	1	5	12	20
27	Institute of Hydrobiology of the CAS	27	1514	3985	Czech Republic	Institution	1950	0	5	11	14
28	Institute of Biotechnology CAS	28	1523	4017	Czech Republic	Institution	2008	0	5	10	15
29	Institute of Biophysics of the CAS	29	1560	4113	Czech Republic	Institution	1958	1	5	6	6

#	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%
30	Technical University of Liberec	30	1643	4343	Czech Republic	Public	1953	0	4	10	23
31	Institute for Clinical and Experimental Medicine	31	1668	4417	Czech Republic	Institution	1971	1	4	9	11
32	Institute of Plant Molecular Biology of the CAS	32	1669	4418	Czech Republic	Institution	1990	1	4	9	11
33	Institute of Microbiology of the ASCR	33	1682	4463	Czech Republic	Institution	1962	2	4	8	12
34	Crop Research Institute	34	1685	4469	Czech Republic	Institution	1951	1	4	8	10
35	Institute of Geophysics CAS	35	1700	4501	Czech Republic	Institution	1920	0	4	7	10
36	Institute of Animal Physiology and Genetics of the CAS	36	1722	4550	Czech Republic	Institution	1963	0	4	6	9
37	Institute of Psychology of the CAS	37	1823	4842	Czech Republic	Institution	1929	0	3	10	15
38	Global Change Research Institute	38	1887	5092	Czech Republic	Institution	1982	0	3	6	7
39	Czech Geological Survey	39	1897	5141	Czech Republic	Institution	1919	0	3	5	8
40	University of Economics Prague	40	1958	5357	Czech Republic	Public	1953	0	2	14	42
41	Institute of Experimental Botany CAS	41	2004	5501	Czech Republic	Institution	2017	1	2	9	14
42	Institute of Information Theory and Automation CAS	42	2021	5557	Czech Republic	Institution	1959	0	2	8	14
43	Institute of Technology and Business	43	2050	5640	Czech Republic	Private	2006	1	2	7	12
44	Institute of Physiology of the CAS	44	2151	6030	Czech Republic	Institution	2015	1	2	4	5

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45	Institute of Photonics and Electronics of the CAS	45	2161	6068	Czech Republic	Institution	2018	1	2	4	5
46	Institute of Atmospheric Physics of the CAS	46	2162	6069	Czech Republic	Institution	1905	1	2	4	5
47	University of Defence Czech Republic	47	2170	6101	Czech Republic	Public	2004	1	2	3	4
48	Institute of Chemical Process Fundamentals of the CAS	48	2177	6125	Czech Republic	Institution	1960	0	2	3	9
49	Institute of Thermomechanics of the CAS	49	2237	6304	Czech Republic	Institution	2008	0	2	2	6
50	Institute of Sociology of the CAS	50	2301	6561	Czech Republic	Institution	1990	0	1	9	18
51	Institute of Mathematics of the CAS	51	2316	6610	Czech Republic	Institution	1982	0	1	8	11
52	Jan Evangelista Purkyně University in Þští nad Labem	52	2369	6805	Czech Republic	Public	1991	0	1	5	13
53	Astronomical Institute CAS	53	2398	6908	Czech Republic	Institution	1954	0	1	5	8
54	Institute of Entomology, Biology Centre of the CAS	54	2438	7067	Czech Republic	Institution	1962	0	1	4	9
55	Institute of Geology of the CAS	55	2465	7153	Czech Republic	Institution	1999	0	1	4	4
56	Institute of Experimental Medicine	56	2553	7513	Czech Republic	Institution	1975	0	1	2	31
57	Institute of Analytical Chemistry of the CAS	57	2682	8090	Czech Republic	Institution	2010	1	1	2	2
58	Institute of Vertebrate Biology of the CAS	58	2685	8097	Czech Republic	Institution	2003	0	1	2	2
59	Nuclear Physics Institute of the CAS	59	2879	9114	Czech Republic	Institution	1972	0	0	9	12

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60	Institute of Archaelogy of the CAS	60	2980	9462	Czech Republic	Institution	1950	0	0	4	9
61	Institute of Physics of Materials of the CAS	61	2997	9509	Czech Republic	Institution	1968	0	0	4	5
62	Institute of Theoretical and Applied Mechanics CAS	62	3177	10227	Czech Republic	Institution	1953	0	0	2	6
63	Institute of Rock Structure and Mechanics of the CAS	63	3203	10335	Czech Republic	Institution	2002	0	0	2	5
64	Business School Ostrava	64	3260	10640	Czech Republic	Private	2001	0	0	2	3
65	Avast Software	65	3267	10655	Czech Republic	Company	1995	0	0	2	3
66	Institute of Inorganic Chemistry CAS	66	3287	10745	Czech Republic	Institution	2024	0	0	2	2
67	Metropolitan University Prague	67	3345	10989	Czech Republic	Private	2001	0	0	1	1
68	Institute of Ethnology, Czech Academy of Sciences	68	3400	11239	Czech Republic	Institution	1954	0	0	1	1
69	University of Finance and Administration Prague	69	3521	11886	Czech Republic	Private	1999	0	0	1	1
70	JetBrains Research	70	3563	12037	Czech Republic	Company	2000	0	0	1	3
71	Institute of Geonics of the CAS	71	3580	12116	Czech Republic	Institution	1992	0	0	1	3
72	University of Veterinary Sciences Brno	72	3588	12162	Czech Republic	Public	1918	0	0	1	2
73	University of New York in Prague	73	3607	12330	Czech Republic	Private	1998	0	0	1	1
74	Czech Language Institute of the CAS	74	3636	12471	Czech Republic	Institution	1946	0	0	1	2

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75	Czech Hydrometeorological Institute	75	3637	12479	Czech Republic	Institution	1954	0	0	1	2
76	Prague College of Psychosocial Studies	76	3774	13147	Czech Republic	Private	2001	0	0	1	1
77	Polytechnic College in Jihlava	77	3951	13957	Czech Republic	Public	2004	0	0	0	1
78	University of Economics and Management	78	3959	13980	Czech Republic	Private	1996	0	0	0	3
79	Škoda Auto University	79	3987	14214	Czech Republic	Private	2000	0	0	0	1
80	Palestra Prague	80	4099	14920	Czech Republic	Private	2000	0	0	0	2
81	Institute of Philosophy of the CAS	81	4113	14976	Czech Republic	Institution	1990	0	0	0	2
82	Ambis Vysoká škola	82	4140	15151	Czech Republic	Private	1999	0	0	0	2
83	Institute of Contemporary History of the CAS	83	4175	15437	Czech Republic	Institution	1990	0	0	0	2
84	Moravian Business College Olomouc	84	4210	15701	Czech Republic	Public	2005	0	0	0	0
85	Institute for the Study of Totalitarian Regimes	85	4253	15943	Czech Republic	Institution	2007	0	0	0	0
86	Jan Amos Komensky University	86	4284	16127	Czech Republic	Public	1953	0	0	0	1
87	Newton University	87	4449	17332	Czech Republic	Private	2004	0	0	0	1
88	Prague City University	88	4619	18542	Czech Republic	Private	2004	0	0	0	0
89	Institute of Czech Literature of the CAS	89	4661	18751	Czech Republic	Institution	1947	0	0	0	1

#	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%
90	Institute for Evaluation and Social Analyses	90	4727	18958	Czech Republic	Institution	2023	0	0	0	0
91	Logistics College	91	4812	19710	Czech Republic	Private	2004	0	0	0	0
92	Institute of Slavonic Studies of the CAS	92	4925	21108	Czech Republic	Institution	1968	0	0	0	0
93	Central Institute for Supervising and Testing in Agriculture	93	5005	21659	Czech Republic	Institution	2002	0	0	0	0
94	Institute of History, Czech Academy of Sciences	95	5098	22514	Czech Republic	Institution	2007	0	0	0	0
95	Institute of Art History, Czech Academy of Sciences	96	5155	23217	Czech Republic	Institution	1953	0	0	0	0

Table III. Universities in Czech Republic: 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	Charles University in Prague	1	168	418	Czech Republic	Public	1348	16	135	358	562
2	Masaryk University in Brno	2	314	764	Czech Republic	Public	1919	11	57	165	292
3	Palacký University Olomouc	3	357	888	Czech Republic	Public	1573	5	43	96	151
4	Czech Technical University in Prague	4	398	992	Czech Republic	Public	1707	9	36	118	227
5	University of Chemistry and Technology Prague	5	452	1147	Czech Republic	Public	1952	2	28	65	94
6	Czech University of Life Sciences Prague	6	466	1179	Czech Republic	Public	1906	2	26	70	116
7	Brno University of Technology	7	499	1248	Czech Republic	Public	1899	4	23	76	165
8	University of South Bohemia in Ceské Budejovice	8	549	1409	Czech Republic	Public	1991	5	19	47	65
9	Technical University of Ostrava	9	642	1751	Czech Republic	Public	1849	1	12	44	98
10	University of West Bohemia	10	742	2135	Czech Republic	Public	1991	1	8	25	74
11	University of Ostrava	11	743	2138	Czech Republic	Public	1991	1	8	25	45
12	University of Hradec Králové	12	756	2189	Czech Republic	Public	1964	2	8	15	34
13	Mendel University in Brno	13	813	2385	Czech Republic	Public	1919	1	6	27	48
14	University of Pardubice	14	848	2507	Czech Republic	Public	1950	0	6	13	22

#	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%
15	Tomas Bata University in Zlín	15	869	2611	Czech Republic	Public	2001	0	5	17	34
16	Silesian University Opava	16	882	2682	Czech Republic	Public	1991	1	5	12	20
17	Technical University of Liberec	17	954	2929	Czech Republic	Public	1953	0	4	10	23
18	University of Economics Prague	18	1097	3560	Czech Republic	Public	1953	0	2	14	42
19	Institute of Technology and Business	19	1152	3764	Czech Republic	Private	2006	1	2	7	12
20	University of Defence Czech Republic	20	1215	4087	Czech Republic	Public	2004	1	2	3	4
21	Jan Evangelista Purkyně University in Þští nad Labem	21	1326	4581	Czech Republic	Public	1991	0	1	5	13
22	Business School Ostrava	22	1830	7392	Czech Republic	Private	2001	0	0	2	3
23	Metropolitan University Prague	23	1880	7656	Czech Republic	Private	2001	0	0	1	1
24	University of Finance and Administration Prague	24	1991	8396	Czech Republic	Private	1999	0	0	1	1
25	University of Veterinary Sciences Brno	25	2027	8597	Czech Republic	Public	1918	0	0	1	2
26	University of New York in Prague	26	2040	8747	Czech Republic	Private	1998	0	0	1	1
27	Prague College of Psychosocial Studies	27	2117	9340	Czech Republic	Private	2001	0	0	1	1
28	Polytechnic College in Jihlava	28	2230	9994	Czech Republic	Public	2004	0	0	0	1
29	University of Economics and Management	29	2234	10011	Czech Republic	Private	1996	0	0	0	3

#	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%
30	Škoda Auto University	30	2256	10219	Czech Republic	Private	2000	0	0	0	1
31	Palestra Prague	31	2326	10806	Czech Republic	Private	2000	0	0	0	2
32	Ambis Vysoká škola	32	2349	10977	Czech Republic	Private	1999	0	0	0	2
33	Moravian Business College Olomouc	33	2403	11478	Czech Republic	Public	2005	0	0	0	0
34	Jan Amos Komensky University	34	2448	11822	Czech Republic	Public	1953	0	0	0	1
35	Newton University	35	2551	12861	Czech Republic	Private	2004	0	0	0	1
36	Prague City University	36	2658	13879	Czech Republic	Private	2004	0	0	0	0
37	Logistics College	37	2718	14670	Czech Republic	Private	2004	0	0	0	0

Table IV. Public Universities in Czech Republic: 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	Charles University in Prague	1	160	369	Czech Republic	1348	16	135	358	562
2	Masaryk University in Brno	2	304	680	Czech Republic	1919	11	57	165	292
3	Palacký University Olomouc	3	344	778	Czech Republic	1573	5	43	96	151
4	Czech Technical University in Prague	4	383	870	Czech Republic	1707	9	36	118	227
5	University of Chemistry and Technology Prague	5	431	1000	Czech Republic	1952	2	28	65	94
6	Czech University of Life Sciences Prague	6	445	1028	Czech Republic	1906	2	26	70	116
7	Brno University of Technology	7	475	1088	Czech Republic	1899	4	23	76	165
8	University of South Bohemia in Ceské Budejovice	8	519	1216	Czech Republic	1991	5	19	47	65
9	Technical University of Ostrava	9	596	1488	Czech Republic	1849	1	12	44	98
10	University of West Bohemia	10	677	1776	Czech Republic	1991	1	8	25	74
11	University of Ostrava	11	678	1778	Czech Republic	1991	1	8	25	45
12	University of Hradec Králové	12	689	1815	Czech Republic	1964	2	8	15	34
13	Mendel University in Brno	13	738	1964	Czech Republic	1919	1	6	27	48
14	University of Pardubice	14	762	2047	Czech Republic	1950	0	6	13	22
15	Tomas Bata University in Zlín	15	781	2123	Czech Republic	2001	0	5	17	34
16	Silesian University Opava	16	791	2170	Czech Republic	1991	1	5	12	20
17	Technical University of Liberec	17	844	2347	Czech Republic	1953	0	4	10	23
18	University of Economics Prague	18	959	2750	Czech Republic	1953	0	2	14	42
19	University of Defence Czech Republic	19	1050	3080	Czech Republic	2004	1	2	3	4
20	Jan Evangelista Purkyně University in Þsstí nad Labem	20	1140	3363	Czech Republic	1991	0	1	5	13

#	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%
21	University of Veterinary Sciences Brno	21	1640	5515	Czech Republic	1918	0	0	1	2
22	Polytechnic College in Jihlava	22	1780	6202	Czech Republic	2004	0	0	0	1
23	Moravian Business College Olomouc	23	1878	6909	Czech Republic	2005	0	0	0	0
24	Jan Amos Komensky University	24	1908	7083	Czech Republic	1953	0	0	0	1

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Table V. Private Universities in Czech Republic: 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	Institute of Technology and Business	1	145	875	Czech Republic	2006	1	2	7	12
2	Business School Ostrava	2	329	2525	Czech Republic	2001	0	0	2	3
3	Metropolitan University Prague	3	339	2621	Czech Republic	2001	0	0	1	1
4	University of Finance and Administration Prague	4	368	2973	Czech Republic	1999	0	0	1	1
5	University of New York in Prague	5	394	3174	Czech Republic	1998	0	0	1	1
6	Prague College of Psychosocial Studies	6	424	3487	Czech Republic	2001	0	0	1	1
7	University of Economics and Management	7	451	3800	Czech Republic	1996	0	0	0	3
8	Škoda Auto University	8	459	3902	Czech Republic	2000	0	0	0	1
9	Palestra Prague	9	492	4205	Czech Republic	2000	0	0	0	2
10	Ambis Vysoká škola	10	502	4289	Czech Republic	1999	0	0	0	2
11	Newton University	11	583	5303	Czech Republic	2004	0	0	0	1
12	Prague City University	12	627	5859	Czech Republic	2004	0	0	0	0
13	Logistics College	13	656	6315	Czech Republic	2004	0	0	0	0

Table VI. Young Universities in Czech Republic: 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	Tomas Bata University in Zlín	15	869	2611	Czech Republic	2001	0	5	17	34
2	Institute of Technology and Business	19	1152	3764	Czech Republic	2006	1	2	7	12
3	University of Defence Czech Republic	20	1215	4087	Czech Republic	2004	1	2	3	4
4	Business School Ostrava	22	1830	7392	Czech Republic	2001	0	0	2	3
5	Metropolitan University Prague	23	1880	7656	Czech Republic	2001	0	0	1	1
6	University of Finance and Administration Prague	24	1991	8396	Czech Republic	1999	0	0	1	1
7	University of New York in Prague	26	2040	8747	Czech Republic	1998	0	0	1	1
8	Prague College of Psychosocial Studies	27	2117	9340	Czech Republic	2001	0	0	1	1
9	Polytechnic College in Jihlava	28	2230	9994	Czech Republic	2004	0	0	0	1
10	University of Economics and Management	29	2234	10011	Czech Republic	1996	0	0	0	3
11	Škoda Auto University	30	2256	10219	Czech Republic	2000	0	0	0	1
12	Palestra Prague	31	2326	10806	Czech Republic	2000	0	0	0	2
13	Ambis Vysoká škola	32	2349	10977	Czech Republic	1999	0	0	0	2
14	Moravian Business College Olomouc	33	2403	11478	Czech Republic	2005	0	0	0	0
15	Newton University	35	2551	12861	Czech Republic	2004	0	0	0	1
16	Prague City University	36	2658	13879	Czech Republic	2004	0	0	0	0
17	Logistics College	37	2718	14670	Czech Republic	2004	0	0	0	0

Table VII. Institutions in Czech Republic: 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 Physics, Czech Republic	1	103	194	Czech Republic	1784	7	34	70	110
2	Institute of Botany CAS	2	201	372	Czech Republic	2016	2	20	34	39
3	Academy of Sciences of the Czech Republic	3	275	507	Czech Republic	1992	2	14	36	51
4	Institute of Organic Chemistry and Biochemistry CAS	4	301	553	Czech Republic	1953	1	13	24	29
5	Institute of Macromolecular Chemistry CAS	5	386	717	Czech Republic	1918	1	10	15	21
6	Institute of Molecular Genetics of the CAS	6	420	773	Czech Republic	1962	0	9	13	18
7	J. Heyrovsky Institute of Physical Chemistry of the CAS	7	437	806	Czech Republic	2018	1	8	17	25
8	Institute of Plasma Physics CAS	8	504	931	Czech Republic	1978	1	6	18	22
9	Institute of Computer Science of the CAS	9	521	966	Czech Republic	1975	0	6	11	21
10	Institute of Parasitology of the CAS	10	522	967	Czech Republic	1993	0	6	11	17
11	Institute of Hydrobiology of the CAS	11	563	1053	Czech Republic	1950	0	5	11	14
12	Institute of Biotechnology CAS	12	569	1062	Czech Republic	2008	0	5	10	15
13	Institute of Biophysics of the CAS	13	591	1102	Czech Republic	1958	1	5	6	6
14	Institute for Clinical and Experimental Medicine	14	616	1158	Czech Republic	1971	1	4	9	11
15	Institute of Plant Molecular Biology of the CAS	15	617	1159	Czech Republic	1990	1	4	9	11
16	Institute of Microbiology of the ASCR	16	623	1176	Czech Republic	1962	2	4	8	12
17	Crop Research Institute	17	626	1180	Czech Republic	1951	1	4	8	10
18	Institute of Geophysics CAS	18	635	1196	Czech Republic	1920	0	4	7	10
19	Institute of Animal Physiology and Genetics of the CAS	19	651	1222	Czech Republic	1963	0	4	6	9

#	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%
20	Institute of Psychology of the CAS	20	686	1295	Czech Republic	1929	0	3	10	15
21	Global Change Research Institute	21	713	1345	Czech Republic	1982	0	3	6	7
22	Czech Geological Survey	22	717	1355	Czech Republic	1919	0	3	5	8
23	Institute of Experimental Botany CAS	23	751	1455	Czech Republic	2017	1	2	9	14
24	Institute of Information Theory and Automation CAS	24	759	1468	Czech Republic	1959	0	2	8	14
25	Institute of Physiology of the CAS	25	800	1552	Czech Republic	2015	1	2	4	5
26	Institute of Photonics and Electronics of the CAS	26	803	1563	Czech Republic	2018	1	2	4	5
27	Institute of Atmospheric Physics of the CAS	27	804	1564	Czech Republic	1905	1	2	4	5
28	Institute of Chemical Process Fundamentals of the CAS	28	811	1575	Czech Republic	1960	0	2	3	9
29	Institute of Thermomechanics of the CAS	29	839	1623	Czech Republic	2008	0	2	2	6
30	Institute of Sociology of the CAS	30	860	1677	Czech Republic	1990	0	1	9	18
31	Institute of Mathematics of the CAS	31	864	1683	Czech Republic	1982	0	1	8	11
32	Astronomical Institute CAS	32	885	1727	Czech Republic	1954	0	1	5	8
33	Institute of Entomology, Biology Centre of the CAS	33	893	1743	Czech Republic	1962	0	1	4	9
34	Institute of Geology of the CAS	34	903	1761	Czech Republic	1999	0	1	4	4
35	Institute of Experimental Medicine	35	930	1836	Czech Republic	1975	0	1	2	31
36	Institute of Analytical Chemistry of the CAS	36	968	1922	Czech Republic	2010	1	1	2	2
37	Institute of Vertebrate Biology of the CAS	37	970	1925	Czech Republic	2003	0	1	2	2
38	Nuclear Physics Institute of the CAS	38	1021	2063	Czech Republic	1972	0	0	9	12
39	Institute of Archaelogy of the CAS	39	1043	2112	Czech Republic	1950	0	0	4	9
40	Institute of Physics of Materials of the CAS	40	1048	2124	Czech Republic	1968	0	0	4	5

#	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%
41	Institute of Theoretical and Applied Mechanics CAS	41	1085	2201	Czech Republic	1953	0	0	2	6
42	Institute of Rock Structure and Mechanics of the CAS	42	1089	2214	Czech Republic	2002	0	0	2	5
43	Institute of Inorganic Chemistry CAS	43	1110	2274	Czech Republic	2024	0	0	2	2
44	Institute of Ethnology, Czech Academy of Sciences	44	1133	2321	Czech Republic	1954	0	0	1	1
45	Institute of Geonics of the CAS	45	1166	2411	Czech Republic	1992	0	0	1	3
46	Czech Language Institute of the CAS	46	1173	2435	Czech Republic	1946	0	0	1	2
47	Czech Hydrometeorological Institute	47	1174	2436	Czech Republic	1954	0	0	1	2
48	Institute of Philosophy of the CAS	48	1278	2692	Czech Republic	1990	0	0	0	2
49	Institute of Contemporary History of the CAS	49	1288	2733	Czech Republic	1990	0	0	0	2
50	Institute for the Study of Totalitarian Regimes	50	1302	2768	Czech Republic	2007	0	0	0	0
51	Institute of Czech Literature of the CAS	51	1377	2995	Czech Republic	1947	0	0	0	1
52	Institute for Evaluation and Social Analyses	52	1402	3051	Czech Republic	2023	0	0	0	0
53	Institute of Slavonic Studies of the CAS	53	1434	3168	Czech Republic	1968	0	0	0	0
54	Central Institute for Supervising and Testing in Agriculture	54	1459	3222	Czech Republic	2002	0	0	0	0
55	Institute of History, Czech Academy of Sciences	55	1484	3298	Czech Republic	2007	0	0	0	0
56	Institute of Art History, Czech Academy of Sciences	56	1494	3349	Czech Republic	1953	0	0	0	0

Table VIII. Companies in Czech Republic: 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%
1	Avast Software	1	261	813	Czech Republic	1995	0	0	2	3
2	JetBrains Research	2	308	923	Czech Republic	2000	0	0	1	3

Table IX. Hospitals in Czech Republic: 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%