

ESI Academic Performance (1/2)

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In September 2024, NYCU's ESI Subject Overview – Agricultural Sciences enters the global top 1% for the first time

According to the latest ESI data released by Clarivate Analytics in September 2024, 15 subjects at NYCU have entered the global top 1% in the Essential Science Indicators (ESI). Please see Table 1 for details on the subjects that made the global top 1%.

No	Research Fields	Web of Science Documents	Cites	Cites/Paper	Highly Cited Papers	Cites NYCU Rank/Total Institutions
1	Clinical Medicine	11,479	188,364	16.41	125	387/6426
2	Materials Science	2,978	64,789	21.76	23	266/1453
3	Chemistry	3,539	55,494	15.68	38	425/1985
4	Engineering	4,228	48,029	11.36	22	314/2552
5	Physics	2,841	39,263	13.82	18	615/939
6	Neuroscience & Behavior	1,635	31,916	19.52	11	401/1242
7	Molecular Biology & Genetics	1,223	31,242	25.55	8	600/1126
8	Biology & Biochemistry	1,397	25,165	18.01	13	559/1558
9	Computer Science	1,581	14,263	9.02	4	301/813
10	Pharmacology & Toxicology	965	12,853	13.32	3	433/1322
11	Immunology	791	12,502	15.81	6	580/1119
12	Psychiatry/Psychology	797	11,492	14.42	3	549/1087
13	Social Sciences, General	1,047	9,933	9.49	4	701/2278
14	Environment/Ecology	722	9,418	13.04	4	1288/1946
15	Agricultural Sciences	232	3,577	15.42	2	1228/1284

Note: ESI data was updated on September 12, 2024. The latest data covers 10 years and 6 months, with the data range from January 1, 2014, to June 30, 2024, based on the Web of Science.

ESI Academic Performance (2/2)

The Essential Science Indicators (ESI) is a widely used tool for evaluating the academic performance and impact of universities, research institutions, countries, or regions internationally. It is based on a bibliometric database built from over 12,000 academic journals and over 10 million records collected by Clarivate Analytics' Web of Science (SCIE/SSCI). The analysis covers a rolling 10-year period, with updates every two months.

ESI assesses research performance by examining the number of journal articles published and their citation data, presenting results across 22 specific research fields. Due to the unique classification system of ESI, each journal is assigned to only one category, making it easier to analyze an institution's strengths within a particular discipline.

Research Fields

Agricultural Sciences	Mathematics
Biology & Biochemistry	Microbiology
Chemistry	Molecular Biology & Genetics
Clinical Medicine	Neuroscience & Behavior
Computer Science	Pharmacology & Toxicology
Economics & Business	Physics
Engineering	Plant & Animal Science
Environment/Ecology	Psychiatry/Psychology
Geosciences	Social Sciences, General
Immunology	Space Science
Materials Science	Multidisciplinary*

*Approximately 98% of papers published in journals such as *Nature*, *Science*, and the *Proceedings of the National Academy of Sciences* are reclassified into one of the other 21 disciplines based on citation information.