

ARWU - ShanghaiRanking's Academic Ranking of World Universities

ARWU is one of the first rankings established on 2003. It focuses on the assessment of the research performance against several indicators, including alumni and staff winning Nobel Prizes and Fields Medals, highly cited researchers, papers published in Nature and Science, papers indexed in major citation indices, and the per capita academic performance of an institution.

The indicators are 6:

Quality of Education:

- Alumni of an institution winning Nobel Prizes and Fields Medals (**Alumni**)

Quality of Faculty:

- Staff of an institution winning Nobel Prizes and Fields Medals (**Award**)
- Highly Cited Researchers (**HiCi**)

Research Output:

- Papers published in Nature and Science (**N&S**),
- Papers indexed in Science Citation Index-Expanded and Social Science Citation Index (**PUB**),

Per Capita Performance:

- Per capita academic performance of an institution (**PCP**)

Shanghai Ranking yearly assesses and ranks the first 500 Institutions in **57 subjects** across

- **Natural Sciences** (Mathematics, Physics, Chemistry, Earth Sciences, Geography, Ecology, Oceanography, Atmospheric Science)
- **Engineering** (Mechanical Engineering, Electrical & Electronic Engineering, Automation & Control, Telecommunication Engineering, Instruments Science & Technology, Biomedical Engineering, Computer Science & Engineering, Civil Engineering, Chemical Engineering, Materials Science & Engineering, Nanoscience & Nanotechnology, Energy Science & Engineering, Environmental Science & Engineering, Water Resources, Food Science & Technology, Biotechnology, Aerospace Engineering, Marine/Ocean Engineering, Transportation Science & Technology, Remote Sensing, Mining & Mineral Engineering, Metallurgical Engineering)
- **Life Sciences** (Biological Sciences, Human Biological Sciences, Agricultural Sciences, Veterinary Sciences)
- **Medical Sciences** (Clinical Medicine, Public Health, Dentistry & Oral Sciences, Nursing, Medical Technology, Pharmacy & Pharmaceutical Sciences)
- **Social Sciences** (Economics, Statistics, Law, Political Sciences, Sociology, Education, Communication, Psychology, Business Administration, Finance, Management, Public Administration, Hospitality & Tourism Management, Library & Information Science)

and ranks the top 500 (**Shanghai Ranking's Global Ranking of Academic Subjects - GRAS**).

Further information on the Methodology and the complete results are in

<https://www.shanghairanking.com/rankings/arwu/2021>

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