

**RankPro by subjects 2023**  
**Physics, Astronomy**

| World Rank | University  | Country        |
|------------|---|----------------|
| 1          | Massachusetts Institute of Technology                   | USA            |
| 2          | Stanford University                                     | USA            |
| 3          | California Institute of Technology Caltech              | USA            |
| 4          | Harvard University                                      | USA            |
| 5          | Princeton University                                    | USA            |
| 6          | University of Cambridge                                 | United Kingdom |
| 7          | University of Oxford                                    | United Kingdom |
| 8          | University of California, Berkeley                      | USA            |
| 9          | University of Chicago                                   | USA            |
| 10         | University of Tokyo                                     | Japan          |
| 11         | ETH Zürich-Swiss Federal Institute of Technology Zurich | Switzerland    |
| 12         | Columbia University                                     | USA            |
| 13         | PSL Research University Paris                           | France         |
| 14         | Cornell University                                      | USA            |
| 15         | Imperial College London                                 | United Kingdom |
| 16         | Yale University   | USA            |
| 17         | University of California, Los Angeles                   | USA            |
| 18         | Tsinghua University                                     | China          |
| 19         | Technical University of Munich                          | Germany        |
| 20         | University of Michigan                                  | USA            |
| 21         | Peking University                                       | China          |
| 22         | University of Illinois at Urbana-Champaign              | USA            |
| 23         | Ludwig-Maximilians University of Munich                 | Germany        |
| 24         | University of Edinburgh                                 | United Kingdom |
| 25         | University of California, Santa Barbara                 | USA            |
| 26         | University of Washington                                | USA            |
| 27         | Sorbonne University                                     | France         |
| 28         | Heidelberg University                                   | Germany        |
| 29         | Polytechnic Institute of Paris                          | France         |
| 30         | University of Toronto                                   | Canada         |
| 31         | University of Manchester                                | United Kingdom |
| 32         | EPFL Swiss Federal Institute of Technology Lausanne     | Switzerland    |
| 33         | University College London                               | United Kingdom |
| 34         | Johns Hopkins University                                | USA            |
| 35         | University of Pennsylvania                              | USA            |
| 36         | Paris-Saclay University                                 | France         |
| 37         | University of Maryland, College Park                    | USA            |
| 38         | Georgia Institute of Technology, Georgia Tech           | USA            |
| 39         | Kyoto University  | Japan          |
| 40         | Australian National University                          | Australia      |
| 41         | University of Science and Technology of China           | China          |
| 42         | Lomonosov Moscow State University                       | Russia         |
| 43         | National University of Singapore                        | Singapore      |
| 44         | Northwestern University                                 | USA            |
| 45         | Sapienza University of Rome                             | Italy          |
| 46         | University of Texas at Austin                           | USA            |
| 47         | Nanyang Technological University, Singapore             | Singapore      |
| 48         | University of Colorado Boulder                          | USA            |
| 49         | Shanghai Jiao Tong University                           | China          |
| 50         | University of Geneva                                    | Switzerland    |
| 51-100     | Autonomous University of Madrid                         | Spain          |
| 51-100     | Boston University                                       | USA            |

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|---------|---|----------------|
| 51-100  | Brown University  | USA            |
| 51-100  | Chinese University of Hong Kong                           | Hong Kong      |
| 51-100  | Carnegie Mellon University                                | USA            |
| 51-100  | Delft University of Technology                            | Netherlands    |
| 51-100  | Duke University   | USA            |
| 51-100  | Fudan University  | China          |
| 51-100  | Grenoble Alpes University                                 | France         |
| 51-100  | Hong Kong University of Science and Technology            | Hong Kong      |
| 51-100  | KAIST, Korea Advanced Institute of Science and Technology | Rep. of Korea  |
| 51-100  | Karlsruhe Institute of Technology (KIT)                   | Germany        |
| 51-100  | King's College London                                     | United Kingdom |
| 51-100  | Leiden University   | Netherlands    |
| 51-100  | McGill University   | Canada         |
| 51-100  | Monash University   | Australia      |
| 51-100  | Moscow Institute of Physics and Technology (MIPT)         | Russia         |
| 51-100  | Nagoya University   | Japan          |
| 51-100  | Nanjing University  | China          |
| 51-100  | New York University                                       | USA            |
| 51-100  | Paris Cité University                                     | France         |
| 51-100  | Pennsylvania State University                             | USA            |
| 51-100  | Rice University   | USA            |
| 51-100  | RWTH Aachen University                                    | Germany        |
| 51-100  | Scuola Normale Superiore - Pisa                           | Italy          |
| 51-100  | Seoul National University                                 | Rep. of Korea  |
| 51-100  | Stockholm University                                      | Sweden         |
| 51-100  | The Ohio State University                                 | USA            |
| 51-100  | University Libre Brussels                                 | Belgium        |
| 51-100  | University of Amsterdam                                   | Netherlands    |
| 51-100  | University of Birmingham                                  | United Kingdom |
| 51-100  | University of Bologna                                     | Italy          |
| 51-100  | University of Bonn  | Germany        |
| 51-100  | University of Bristol                                     | United Kingdom |
| 51-100  | University of British Columbia                            | Canada         |
| 51-100  | University of California, Irvine                          | USA            |
| 51-100  | University of California, San Diego                       | USA            |
| 51-100  | University of Copenhagen                                  | Denmark        |
| 51-100  | University of Groningen                                   | Netherlands    |
| 51-100  | University of Hamburg                                     | Germany        |
| 51-100  | University of Hong Kong                                   | Hong Kong      |
| 51-100  | University of Melbourne                                   | Australia      |
| 51-100  | University of Minnesota                                   | USA            |
| 51-100  | University of Padua                                       | Italy          |
| 51-100  | University of Southampton                                 | United Kingdom |
| 51-100  | University of Sydney                                      | Australia      |
| 51-100  | University of Waterloo                                    | Canada         |
| 51-100  | University of Wisconsin-Madison                           | USA            |
| 51-100  | University of Zurich                                      | Switzerland    |
| 51-100  | Utrecht University  | Netherlands    |
| 51-100  | Zhejiang University                                       | China          |
| 101-150 | Autonomous University of Barcelona                        | Spain          |
| 101-150 | Durham University   | United Kingdom |
| 101-150 | Georg-August University of Göttingen                      | Germany        |
| 101-150 | Humboldt University of Berlin                             | Germany        |
| 101-150 | Indian Institute of Science                               | India          |
| 101-150 | Johannes Gutenberg University Mainz                       | Germany        |
| 101-150 | Korea University  | Rep. of Korea  |
| 101-150 | KTH Royal Institute of Technology                         | Sweden         |
| 101-150 | KU Leuven   | Belgium        |
| 101-150 | Lund University   | Sweden         |
| 101-150 | Michigan State University                                 | USA            |
| 101-150 | National Taiwan University (NTU)                          | Taiwan         |
| 101-150 | National Tsing Hua University                             | Taiwan         |
| 101-150 | Osaka University  | Japan          |
| 101-150 | POSTECH, Pohang University of Science and Technology      | Rep. of Korea  |
| 101-150 | Purdue University   | USA            |
| 101-150 | Queen Mary University of London                           | United Kingdom |

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| 101-150 | Radboud University Nijmegen                         | Netherlands    |
| 101-150 | Rutgers University–New Brunswick                    | USA            |
| 101-150 | Stony Brook University                              | USA            |
| 101-150 | Sun Yat-sen University                              | China          |
| 101-150 | Sungkyunkwan University (SKKU)                      | Rep. of Korea  |
| 101-150 | Technical University of Denmark                     | Denmark        |
| 101-150 | Tel Aviv University                                 | Israel         |
| 101-150 | Texas A&M University                                | USA            |
| 101-150 | Tohoku University                                   | Japan          |
| 101-150 | Tokyo Institute of Technology                       | Japan          |
| 101-150 | TU Dresden  | Germany        |
| 101-150 | University of Adelaide                              | Australia      |
| 101-150 | University of Arizona                               | USA            |
| 101-150 | University of Barcelona                             | Spain          |
| 101-150 | University of Bern                                  | Switzerland    |
| 101-150 | University of California, Davis                     | USA            |
| 101-150 | University of California, Santa Cruz                | USA            |
| 101-150 | University of Florida                               | USA            |
| 101-150 | University of Glasgow                               | United Kingdom |
| 101-150 | University of Helsinki                              | Finland        |
| 101-150 | University of Liverpool                             | United Kingdom |
| 101-150 | University of Nottingham                            | United Kingdom |
| 101-150 | University of Pisa                                  | Italy          |
| 101-150 | University of Queensland                            | Australia      |
| 101-150 | University of Rochester                             | USA            |
| 101-150 | University of Rome II – Tor Vergata                 | Italy          |
| 101-150 | University of São Paulo                             | Brazil         |
| 101-150 | University of Sheffield                             | United Kingdom |
| 101-150 | University of Southern California                   | USA            |
| 101-150 | University of St Andrews                            | United Kingdom |
| 101-150 | University of Warwick                               | United Kingdom |
| 101-150 | UNSW Sydney   | Australia      |
| 101-150 | Uppsala University                                  | Sweden         |
| 151-200 | Aalto University                                    | Finland        |
| 151-200 | Aarhus University                                   | Denmark        |
| 151-200 | Aix-Marseille University                            | France         |
| 151-200 | Albert Ludwig University of Freiburg                | Germany        |
| 151-200 | Cardiff University                                  | United Kingdom |
| 151-200 | Chalmers University of Technology                   | Sweden         |
| 151-200 | Charles University in Prague                        | Czech Republic |
| 151-200 | City University of Hong Kong                        | Hong Kong      |
| 151-200 | École Normale Supérieure de Lyon                    | France         |
| 151-200 | Eindhoven University of Technology                  | Netherlands    |
| 151-200 | Florida State University                            | USA            |
| 151-200 | Free University of Berlin                           | Germany        |
| 151-200 | Friedrich-Alexander University of Erlangen-Nürnberg | Germany        |
| 151-200 | Ghent University                                    | Belgium        |
| 151-200 | Goethe University Frankfurt                         | Germany        |
| 151-200 | Hanyang University                                  | Rep. of Korea  |
| 151-200 | Huazhong University of Science and Technology       | China          |
| 151-200 | Indiana University Bloomington                      | USA            |
| 151-200 | King Abdulaziz University                           | Saudi Arabia   |
| 151-200 | Polytechnic University of Milan                     | Italy          |
| 151-200 | Swinburne University of Technology                  | Australia      |
| 151-200 | Technical University of Berlin                      | Germany        |
| 151-200 | Trinity College Dublin, The University of Dublin    | Ireland        |
| 151-200 | TU Wien, Vienna University of Technology            | Austria        |
| 151-200 | UCLouvain   | Belgium        |
| 151-200 | University College Dublin                           | Ireland        |
| 151-200 | University of Alberta                               | Canada         |
| 151-200 | University of Auckland                              | New Zealand    |
| 151-200 | University of Basel                                 | Switzerland    |
| 151-200 | University of Innsbruck                             | Austria        |
| 151-200 | University of Massachusetts Amherst                 | USA            |
| 151-200 | University of Milan                                 | Italy          |
| 151-200 | University of Milan-Bicocca                         | Italy          |

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| 151-200 | University of Montreal                                     | Canada         |
| 151-200 | University of Münster                                      | Germany        |
| 151-200 | University of Naples Federico II                           | Italy          |
| 151-200 | University of Notre Dame                                   | USA            |
| 151-200 | University of Oslo   | Norway         |
| 151-200 | University of Pittsburgh                                   | USA            |
| 151-200 | University of Sussex                                       | United Kingdom |
| 151-200 | University of Tennessee-Knoxville                          | USA            |
| 151-200 | University of Trento                                       | Italy          |
| 151-200 | University of Victoria                                     | Canada         |
| 151-200 | University of Vienna                                       | Austria        |
| 151-200 | University of Virginia                                     | USA            |
| 151-200 | University of Western Australia                            | Australia      |
| 151-200 | University of Würzburg                                     | Germany        |
| 151-200 | VU University Amsterdam                                    | Netherlands    |
| 151-200 | Weizmann Institute of Science                              | Israel         |
| 151-200 | Wuhan University   | China          |
| 151-200 | Yonsei University  | Rep. of Korea  |
| 201-250 | Arizona State University                                   | USA            |
| 201-250 | Beijing Normal University                                  | China          |
| 201-250 | Brandeis University  | USA            |
| 201-250 | Claude Bernard University Lyon 1                           | France         |
| 201-250 | College of William and Mary                                | USA            |
| 201-250 | Eberhard Karls University of Tuebingen                     | Germany        |
| 201-250 | Friedrich Schiller University Jena                         | Germany        |
| 201-250 | Hebrew University of Jerusalem                             | Israel         |
| 201-250 | Hong Kong Polytechnic University                           | Hong Kong      |
| 201-250 | Indian Institute of Technology Bombay                      | India          |
| 201-250 | Lancaster University                                       | United Kingdom |
| 201-250 | Macquarie University                                       | Australia      |
| 201-250 | Nankai University  | China          |
| 201-250 | Northeastern University                                    | USA            |
| 201-250 | Polytechnic University of Catalonia, BarcelonaTech         | Spain          |
| 201-250 | Quaid-i-Azam University                                    | Pakistan       |
| 201-250 | Queen's University Belfast                                 | United Kingdom |
| 201-250 | Syracuse University  | USA            |
| 201-250 | Technical University of Darmstadt                          | Germany        |
| 201-250 | Technion Israel Institute of Technology                    | Israel         |
| 201-250 | Tufts University   | USA            |
| 201-250 | Ulsan National Institute of Science and Technology (UNIST) | Rep. of Korea  |
| 201-250 | University at Buffalo SUNY                                 | USA            |
| 201-250 | University of Antwerp                                      | Belgium        |
| 201-250 | University of California, Riverside                        | USA            |
| 201-250 | University of Campinas                                     | Brazil         |
| 201-250 | University of Cape Town                                    | South Africa   |
| 201-250 | University of Cincinnati                                   | USA            |
| 201-250 | University of Cologne                                      | Germany        |
| 201-250 | University of Genoa  | Italy          |
| 201-250 | University of Hawai'i at Mānoa                             | USA            |
| 201-250 | University of Illinois at Chicago                          | USA            |
| 201-250 | University of Leeds  | United Kingdom |
| 201-250 | University of Lisbon                                       | Portugal       |
| 201-250 | University of Malaya                                       | Malaysia       |
| 201-250 | University of Montpellier                                  | France         |
| 201-250 | University of New Mexico                                   | USA            |
| 201-250 | University of North Carolina at Chapel Hill                | USA            |
| 201-250 | University of Oregon                                       | USA            |
| 201-250 | University of Portsmouth                                   | United Kingdom |
| 201-250 | University of Strasbourg                                   | France         |
| 201-250 | University of Surrey                                       | United Kingdom |
| 201-250 | University of Technology Sydney                            | Australia      |
| 201-250 | University of Trieste                                      | Italy          |
| 201-250 | University of Turin  | Italy          |
| 201-250 | University of Twente                                       | Netherlands    |
| 201-250 | University of Valencia                                     | Spain          |
| 201-250 | Vanderbilt University                                      | USA            |

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| 201-250 | Vrije University Brussels                               | Belgium        |
| 201-250 | Washington University in St Louis                       | USA            |
| 251-300 | Beihang University                                      | China          |
| 251-300 | Case Western Reserve University                         | USA            |
| 251-300 | Colorado State University                               | USA            |
| 251-300 | Curtin University                                       | Australia      |
| 251-300 | Drexel University                                       | USA            |
| 251-300 | Eötvös Loránd University                                | Hungary        |
| 251-300 | Indian Institute of Technology Madras                   | India          |
| 251-300 | International School for Advanced Studies               | Italy          |
| 251-300 | Iowa State University                                   | USA            |
| 251-300 | Kyushu University                                       | Japan          |
| 251-300 | Leibniz University Hannover                             | Germany        |
| 251-300 | Linköping University                                    | Sweden         |
| 251-300 | McMaster University                                     | Canada         |
| 251-300 | National and Kapodistrian University of Athens          | Greece         |
| 251-300 | National Autonomous University of Mexico                | Mexico         |
| 251-300 | National Technical University of Athens                 | Greece         |
| 251-300 | National Yang Ming Chiao Tung University                | Taiwan         |
| 251-300 | Newcastle University                                    | United Kingdom |
| 251-300 | Paul Sabatier University (Toulouse 3)                   | France         |
| 251-300 | Polytechnic University of Turin                         | Italy          |
| 251-300 | Pontifical Catholic University of Chile                 | Chile          |
| 251-300 | Queen's University                                      | Canada         |
| 251-300 | RMIT University   | Australia      |
| 251-300 | Royal Holloway, University of London                    | United Kingdom |
| 251-300 | Ruhr University Bochum                                  | Germany        |
| 251-300 | Saint Petersburg State University                       | Russia         |
| 251-300 | Shandong University                                     | China          |
| 251-300 | Simon Fraser University                                 | Canada         |
| 251-300 | Southern University of Science and Technology (SUSTech) | China          |
| 251-300 | Swansea University                                      | United Kingdom |
| 251-300 | TU Dortmund University                                  | Germany        |
| 251-300 | University of Bari Aldo Moro                            | Italy          |
| 251-300 | University of Bath                                      | United Kingdom |
| 251-300 | University of Bergen                                    | Norway         |
| 251-300 | University of Bordeaux                                  | France         |
| 251-300 | University of Buenos Aires (UBA)                        | Argentina      |
| 251-300 | University of Côte d'Azur                               | France         |
| 251-300 | University of Exeter                                    | United Kingdom |
| 251-300 | University of Florence                                  | Italy          |
| 251-300 | University of Iowa                                      | USA            |
| 251-300 | University of Leicester                                 | United Kingdom |
| 251-300 | University of Nebraska-Lincoln                          | USA            |
| 251-300 | University of Pavia                                     | Italy          |
| 251-300 | University of Strathclyde                               | United Kingdom |
| 251-300 | University of Stuttgart                                 | Germany        |
| 251-300 | University of Tsukuba                                   | Japan          |
| 251-300 | University of Warsaw                                    | Poland         |
| 251-300 | University of Wollongong                                | Australia      |
| 251-300 | University of York                                      | United Kingdom |
| 251-300 | Virginia Polytechnic Institute and State University     | USA            |
| 251-300 | Washington State University                             | USA            |
| 301-350 | Alexandru Ioan Cuza University from Iasi                | Romania        |
| 301-350 | Christian-Albrecht University of Kiel                   | Germany        |
| 301-350 | Complutense University of Madrid                        | Spain          |
| 301-350 | Dartmouth College                                       | USA            |
| 301-350 | East China Normal University                            | China          |
| 301-350 | Emory University  | USA            |
| 301-350 | George Washington University                            | USA            |
| 301-350 | Griffith University                                     | Australia      |
| 301-350 | Harbin Institute of Technology                          | China          |
| 301-350 | Heriot-Watt University                                  | United Kingdom |
| 301-350 | Hokkaido University                                     | Japan          |
| 301-350 | IMT Atlantique  | France         |
| 301-350 | Indian Institute of Technology Delhi                    | India          |

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| 301-350 | Indian Institute of Technology Kanpur                    | India          |
| 301-350 | King Abdullah University of Science & Technology (KAUST) | Saudi Arabia   |
| 301-350 | Louisiana State University                               | USA            |
| 301-350 | Norwegian University of Science and Technology           | Norway         |
| 301-350 | Queensland University of Technology                      | Australia      |
| 301-350 | Sejong University  | Rep. of Korea  |
| 301-350 | Shenzhen University                                      | China          |
| 301-350 | Siberian Federal University                              | Russia         |
| 301-350 | South China University of Technology                     | China          |
| 301-350 | Temple University  | USA            |
| 301-350 | Tongji University  | China          |
| 301-350 | Ulm University   | Germany        |
| 301-350 | University of Aberdeen                                   | United Kingdom |
| 301-350 | University of Calgary                                    | Canada         |
| 301-350 | University of Canterbury                                 | New Zealand    |
| 301-350 | University of Chile                                      | Chile          |
| 301-350 | University of Coimbra                                    | Portugal       |
| 301-350 | University of Connecticut                                | USA            |
| 301-350 | University of Fribourg                                   | Switzerland    |
| 301-350 | University of Gothenburg                                 | Sweden         |
| 301-350 | University of Granada                                    | Spain          |
| 301-350 | University of Jyväskylä                                  | Finland        |
| 301-350 | University of Kansas                                     | USA            |
| 301-350 | University of Liège                                      | Belgium        |
| 301-350 | University of Ljubljana                                  | Slovenia       |
| 301-350 | University of Ottawa                                     | Canada         |
| 301-350 | University of Santiago de Compostela                     | Spain          |
| 301-350 | University of Savoy                                      | France         |
| 301-350 | University of Southern Denmark                           | Denmark        |
| 301-350 | University of Tartu                                      | Estonia        |
| 301-350 | University of Texas at Dallas                            | USA            |
| 301-350 | University of Utah                                       | USA            |
| 301-350 | University of Wisconsin-Milwaukee                        | USA            |
| 301-350 | Wayne State University                                   | USA            |
| 301-350 | Xi'an Jiaotong University                                | China          |
| 301-350 | Xiamen University  | China          |
| 301-350 | York University  | Canada         |
| 351-400 | Beijing Institute of Technology                          | China          |
| 351-400 | Boğaziçi University                                      | Turkey         |
| 351-400 | Boston College   | USA            |
| 351-400 | Carleton University                                      | Canada         |
| 351-400 | Colorado School of Mines                                 | USA            |
| 351-400 | COMSATS University Islamabad                             | Pakistan       |
| 351-400 | Dalhousie University                                     | Canada         |
| 351-400 | Federal University of Rio de Janeiro                     | Brazil         |
| 351-400 | Florida International University                         | USA            |
| 351-400 | Gwangju Institute of Science and Technology              | Rep. of Korea  |
| 351-400 | Justus-Liebig-University Giessen                         | Germany        |
| 351-400 | King Fahd University of Petroleum and Minerals           | Saudi Arabia   |
| 351-400 | King Saud University                                     | Saudi Arabia   |
| 351-400 | Kyung Hee University                                     | Rep. of Korea  |
| 351-400 | Kyungpook National University                            | Rep. of Korea  |
| 351-400 | Laval University   | Canada         |
| 351-400 | Loughborough University                                  | United Kingdom |
| 351-400 | LUT University   | Finland        |
| 351-400 | National Central University                              | Taiwan         |
| 351-400 | National University of La Plata                          | Argentina      |
| 351-400 | Pusan National University                                | Rep. of Korea  |
| 351-400 | Rensselaer Polytechnic Institute                         | USA            |
| 351-400 | Rochester Institute of Technology                        | USA            |
| 351-400 | Roma Tre University                                      | Italy          |
| 351-400 | São Paulo State University (UNESP)                       | Brazil         |
| 351-400 | Soochow University                                       | China          |
| 351-400 | Texas Tech University                                    | USA            |
| 351-400 | Tianjin University                                       | China          |
| 351-400 | University at Albany SUNY                                | USA            |

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|---------|--|---------------|
| 351-400 | University of Alabama                                  | USA           |
| 351-400 | University of Catania                                  | Italy         |
| 351-400 | University of Central Florida                          | USA           |
| 351-400 | University of Delaware                                 | USA           |
| 351-400 | University of Duisburg-Essen                           | Germany       |
| 351-400 | University of Ferrara                                  | Italy         |
| 351-400 | University of Houston                                  | USA           |
| 351-400 | University of Maryland, Baltimore County               | USA           |
| 351-400 | University of Miami                                    | USA           |
| 351-400 | University of Newcastle                                | Australia     |
| 351-400 | University of Otago                                    | New Zealand   |
| 351-400 | University of Oulu                                     | Finland       |
| 351-400 | University of Perugia                                  | Italy         |
| 351-400 | University of Porto                                    | Portugal      |
| 351-400 | University of South Carolina                           | USA           |
| 351-400 | University of South Florida                            | USA           |
| 351-400 | University of Technology, Malaysia                     | Malaysia      |
| 351-400 | University of Tehran                                   | Iran          |
| 351-400 | University of the Basque Country                       | Spain         |
| 351-400 | University of the Witwatersrand                        | South Africa  |
| 351-400 | Victoria University of Wellington                      | New Zealand   |
| 351-400 | Western University                                     | Canada        |
| 401-500 | Aristotle University of Thessaloniki                   | Greece        |
| 401-500 | Belarusian State University                            | Belarus       |
| 401-500 | Bielefeld University                                   | Germany       |
| 401-500 | Bilkent University                                     | Turkey        |
| 401-500 | Central China Normal University                        | China         |
| 401-500 | Chulalongkorn University                               | Thailand      |
| 401-500 | Comenius University in Bratislava                      | Slovakia      |
| 401-500 | Dublin City University                                 | Ireland       |
| 401-500 | Ewha Womans University                                 | Rep. of Korea |
| 401-500 | Federal University of Rio Grande do Sul                | Brazil        |
| 401-500 | Federico Santa María Technical University              | Chile         |
| 401-500 | Flinders University                                    | Australia     |
| 401-500 | George Mason University                                | USA           |
| 401-500 | Graz University of Technology                          | Austria       |
| 401-500 | Grenoble Institute of Technology                       | France        |
| 401-500 | Hiroshima University                                   | Japan         |
| 401-500 | Hong Kong Baptist University                           | Hong Kong     |
| 401-500 | Hunan University                                       | China         |
| 401-500 | Illinois Institute of Technology                       | USA           |
| 401-500 | Indian Institute of Technology Guwahati                | India         |
| 401-500 | Indian Institute of Technology Indore                  | India         |
| 401-500 | Indian Institute of Technology Kharagpur               | India         |
| 401-500 | Istanbul Technical University                          | Turkey        |
| 401-500 | James Cook University                                  | Australia     |
| 401-500 | Jeonbuk National University                            | Rep. of Korea |
| 401-500 | Jilin University                                       | China         |
| 401-500 | Johannes Kepler University Linz                        | Austria       |
| 401-500 | Kansas State University                                | USA           |
| 401-500 | Keio University  | Japan         |
| 401-500 | King Khalid University                                 | Saudi Arabia  |
| 401-500 | Kobe University  | Japan         |
| 401-500 | Koç University   | Turkey        |
| 401-500 | Middle East Technical University                       | Turkey        |
| 401-500 | Monterrey Institute of Technology and Higher Education | Mexico        |
| 401-500 | National Cheng Kung University                         | Taiwan        |
| 401-500 | National Polytechnic Institute                         | Mexico        |
| 401-500 | National Sun Yat-sen University                        | Taiwan        |
| 401-500 | National University of Malaysia                        | Malaysia      |
| 401-500 | National University of Sciences And Technology (NUST)  | Pakistan      |
| 401-500 | North Carolina State University                        | USA           |
| 401-500 | NOVA University of Lisbon                              | Portugal      |
| 401-500 | Okayama University                                     | Japan         |
| 401-500 | Oklahoma State University                              | USA           |
| 401-500 | Panjab University                                      | India         |



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| 401-500 | Polytechnic University of Valencia               | Spain          |
| 401-500 | Pontifical Catholic University of Rio de Janeiro | Brazil         |
| 401-500 | Rio de Janeiro State University                  | Brazil         |
| 401-500 | Shanghai University                              | China          |
| 401-500 | Sharif University of Technology                  | Iran           |
| 401-500 | Southeast University                             | China          |
| 401-500 | Stellenbosch University                          | South Africa   |
| 401-500 | Tata Institute of Fundamental Research           | India          |
| 401-500 | Tokyo Metropolitan University                    | Japan          |
| 401-500 | TU Kaiserslautern                                | Germany        |
| 401-500 | Umeå University                                  | Sweden         |
| 401-500 | Université de Rennes 1                           | France         |
| 401-500 | Universiti Brunei Darussalam                     | Brunei         |
| 401-500 | University College Cork                          | Ireland        |
| 401-500 | University of Antofagasta                        | Chile          |
| 401-500 | University of Belgrade                           | Serbia         |
| 401-500 | University of Calabria                           | Italy          |
| 401-500 | University of Clermont Auvergne                  | France         |
| 401-500 | University of Concepción                         | Chile          |
| 401-500 | University of Crete                              | Greece         |
| 401-500 | University of Delhi                              | India          |
| 401-500 | University of East Anglia                        | United Kingdom |
| 401-500 | University of Galway                             | Ireland        |
| 401-500 | University of Graz                               | Austria        |
| 401-500 | University of Johannesburg                       | South Africa   |
| 401-500 | University of Kentucky                           | USA            |
| 401-500 | University of Konstanz                           | Germany        |
| 401-500 | University of KwaZulu-Natal                      | South Africa   |
| 401-500 | University of La Laguna                          | Spain          |
| 401-500 | University of Luxembourg                         | Luxembourg     |
| 401-500 | University of Macau                              | Macao          |
| 401-500 | University of Minho                              | Portugal       |
| 401-500 | University of Modena and Reggio Emilia           | Italy          |
| 401-500 | University of Mons                               | Belgium        |
| 401-500 | University of Oklahoma                           | USA            |
| 401-500 | University of Reading                            | United Kingdom |
| 401-500 | University of Regensburg                         | Germany        |
| 401-500 | University of Science and Technology Beijing     | China          |
| 401-500 | University of Science, Malaysia                  | Malaysia       |
| 401-500 | University of Siegen                             | Germany        |
| 401-500 | University of Siena                              | Italy          |
| 401-500 | University of Split                              | Croatia        |
| 401-500 | University of Tasmania                           | Australia      |
| 401-500 | University of the Andes, Colombia                | Colombia       |
| 401-500 | University of the Balearic Islands               | Spain          |
| 401-500 | University of The Western Cape                   | South Africa   |
| 401-500 | University of Turku                              | Finland        |
| 401-500 | University of Zaragoza                           | Spain          |
| 401-500 | University Putra Malaysia (UPM)                  | Malaysia       |
| 401-500 | Vilnius University                               | Lithuania      |
| 401-500 | Wageningen University & Research                 | Netherlands    |
| 401-500 | Waseda University                                | Japan          |