

Increase Your Research Visibility

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Research Support Academy

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Research

Agenda

- University Rankings
- Publication Process
- Trends
- *Social, Professional and Academic Networks*
- *Metrics*
- Q&A

Our Research Culture

Why do we do research?

- © To make **IMPACT**

How do we do research?

- © Through **EXCELLENCE** of our **RESEARCH OUTPUTS**, and
- © Through **COLLEGIALITY**

What can we do to build research environment of the University?

- © Provide **QUALITY SUPERVISION** to our HDR candidates that includes their **TIMELY COMPLETION**, and/or
- © Grow **RESEARCH RELATIONSHIPS, END-USER PARTNERSHIPS** and **RESEARCH INCOME**, and/or
- © Facilitate **SCHOLARSHIP, CREATE** and **INNOVATE**, and **ENABLE THE SUCCESS OF OTHER RESEARCHERS**

University Rankings

- Times Higher Education and QS rankings assess teaching and research, including publication metrics and surveys of academics about university reputations
- Some university rankings, like Academic Ranking of World Universities (ARWU aka Shanghai Ranking) focus on assessing research intensity of universities



Times Higher Education



Pakistan

National University of Sciences and Technology

Courses

📍 NUST Campus, H-12, Islamabad, Pakistan

801-1000th

World University
Rankings 2021

201-300th

Impact Rankings
2021

251-300th

Young University
Rankings 2021



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QS Ranking



National University of Sciences And Technology (NUST) Islamabad

📍 Sector H-12, Islamabad, PK, Islamabad Pakistan

QS World University Rankings

🏆 =358

Status	Research Output	Student/Faculty Ratio	International Students	Size	Total Faculty
Public	Very High	7	563	M	1,608



Shanghai Ranking



Home

Rankings ▾

Universities

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Activities ▾

中文版

Universities > National University of Sciences and Technology Pakistan



National University of Sciences and Technology Pakistan

Region:

Country/Region: Pakistan

Found Year:

Address:

Website:

Global Ranking of Academic Subjects

All Subjects

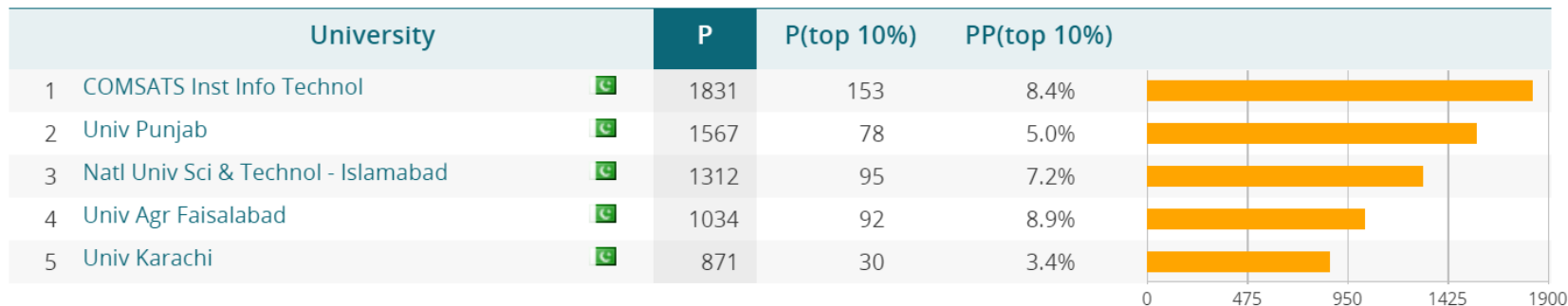
All subjects ▾

Subject	Rank ↕
Mechanical Engineering	301-400
Electrical & Electronic Engineering	401-500
Telecommunication Engineering	201-300
Computer Science & Engineering	401-500
Civil Engineering	201-300
Mechanical Engineering	301-400
Electrical & Electronic Engineering	401-500
Telecommunication Engineering	201-300

Best Ranked Subjects 🇵🇰

Subject	Rank
Telecommunication Engineering	201-300
Civil Engineering	201-300
Mechanical Engineering	301-400
Electrical & Electronic Engineering	401-500
Computer Science & Engineering	401-500

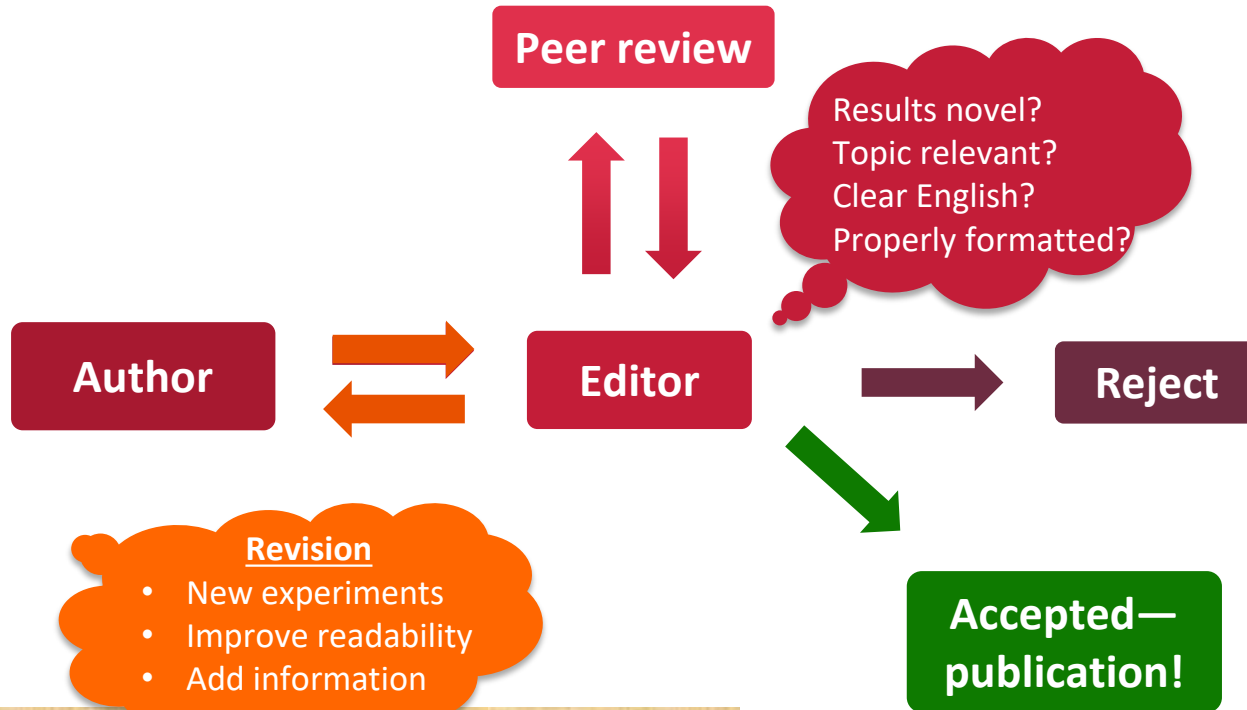
Leiden Ranking



Indicators

- ↓ Publications
- ↓ Size-dependent vs. size-independent indicators
- ↓ Scientific impact indicators
- ↓ Collaboration indicators
- ↓ Open access indicators
- ↓ Gender indicators

Journey of an article



Trends

Open access

ORCID

Sci-Hub & piracy

Content sharing

Publication models

Subscription-based

- Mostly free for the author
- Reader has to pay

Open access

- Free for the reader
- Author usually has to pay

Hybrid

- Subscription-based journal
- Has open access options

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OA white and black lists



Review quality of indexed journals and will remove if necessary

DOAJ TO REMOVE APPROXIMATELY 3300 JOURNALS

<https://doajournals.wordpress.com/2016/05/09/doaj-to-remove-approximately-3300-journals/>

UPDATE (11th May): [the list of removed journals is here](#) on the 3rd tab.

Today DOAJ will remove approximately 3300 journals for failure to submit a valid reapplication before the communicated deadline; a deadline which was extended twice to allow more time for reapplications. This batch removal is another step in DOAJ's two year long project to increase the value and accuracy of the information provided in it.

Trends

Open access

ORCID

Sci-Hub & piracy

Content sharing

ORCID



The ORCID iD: a unique, persistent identifier free of charge to researchers



An **ORCID record** connected to the ORCID iD, and



A set of **Application Programming Interfaces (APIs)**, as well as the services and support of communities of practice that enable interoperability between an ORCID record and member organizations so researchers can choose to allow connection of their iD with their affiliations and contributions

ORCID

You would like to find articles from Osman Hasan from NUST...



Connecting Research and Researchers

- ABOUT
- FOR RESEARCHERS
- MEMBERSHIP
- DOCUMENTATION
- RESOURCES
- NEWS & EVENTS

osman hasan

ORCID iD

<https://orcid.org/0000-0003-2562-2669>

Print view

Websites & Social Links

ohasan.seecs.nust.edu.pk

Other IDs

Scopus Author ID: 18037193700

Works (50 of 240)

Items per page: 50 1 - 50 of 240

HVoC: a Hybrid Model Checking - Interactive Theorem Proving Approach for Functional Verification of Digital Circuits

Journal of Electronic Testing

2021-06-26 | journal-article

DOI: [10.1007/s10836-021-05956-y](https://doi.org/10.1007/s10836-021-05956-y)

Source: Crossref

★ Preferred source

Formal Verification of ZigBee-Based Routing Protocol for Smart Grids

2021 | book-chapter

DOI: [10.4018/978-1-7998-3479-3.ch069](https://doi.org/10.4018/978-1-7998-3479-3.ch069)

Source: Crossref

★ Preferred source

Design and Realization of a Robotic Manipulator for Minimally Invasive Surgery With Replaceable Surgical Tools

IEEE/ASME Transactions on Mechatronics

2020-12 | journal-article

DOI: [10.1109/TMECH.2020.2991869](https://doi.org/10.1109/TMECH.2020.2991869)

Source: Crossref

★ Preferred source (of 2)

Research

Trends

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Content sharing

Sci-Hub

Illegal repository of academic literature

- Began in 2011 by Dr. Alexandra Elbakyan
- Uses hacked (provided) user accounts to access subscription-based journals
- Stores those articles into their repository
- Currently has ~51,000,000 articles

Sci-Hub



<http://www.sciencemag.org/news/2016/04/whos-downloading-pirated-papers-everyone>

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Trends

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Content sharing

Content sharing

*Allow **anyone** to read your article*

Exclusive service from
Springer Nature

- Does not require open access
- Full text is available to read online

Applicable to all 2300+ Springer Nature journals!

Content sharing – Enabling access worldwide

NATURE CELL BIOLOGY | LETTER

Extracellular matrix scaffolding guides cell elongation by inducing anisotropic intercellular mechanical tension

Qiushi Li, Yue Zhang, Perrine Pluchon, Jeffrey Robens, Keiichi Inoue, Paul Thiery, Hanry Yu & Virgile Viasnoff

[Affiliations](#) | [Contributions](#) | [Corresponding author](#)

Nature Cell Biology 18, 311–318 (2016) | doi:10.1038/ncb331
Received 26 October 2015 | Accepted 08 January 2016 | Published online 12 February 2016

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Share

Share full-text access to this article. Anyone you share the following link with will receive complimentary access to this article:

Shareable Link <http://rdcu.be/h0Be>

- CiteULike
- Facebook
- Twitter
- Delicious
- Digg
- Google+
- LinkedIn
- Reddit
- StumbleUpon

Social, Professional and Academic Networks

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Social Media – Social Network

- Twitter
- Facebook
- Instagram
- LinkedIn

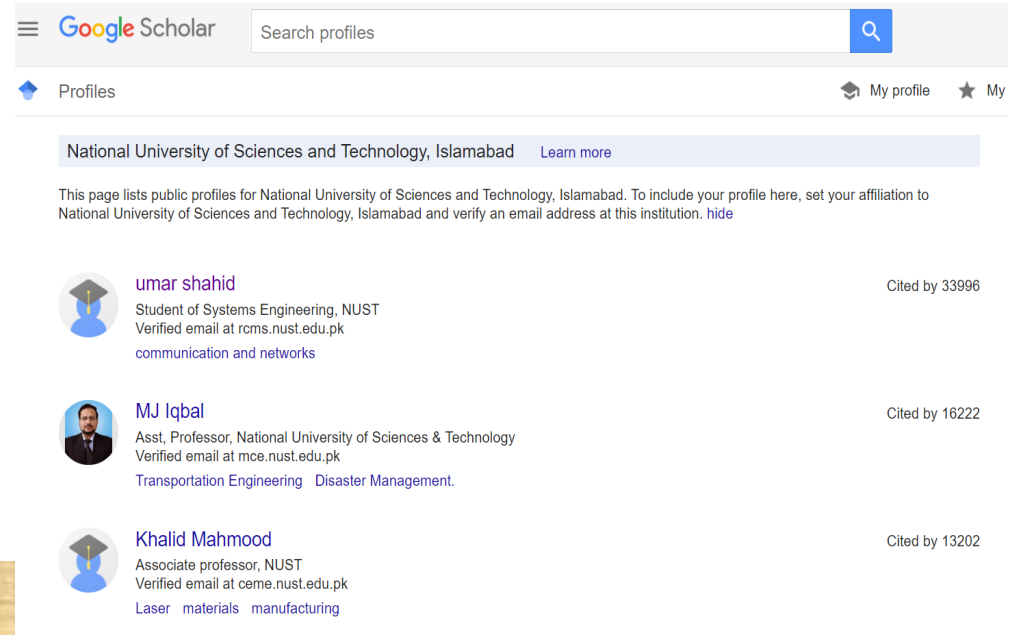
A suggested tool - Hootsuite to manage all your social media

- Share with like-minded people and encourage them to advocate on research areas of interest
- Privacy settings-for public engagement posts will need to be public rather than just shared with your friends.
- Separating your personal and professional profile should be considered

Social Media – Professional Network

Google Scholar Profile

- NUST researcher profiles
- https://scholar.google.com/citations?view_op=view_org&org=6448869601282236476&hl=en&oi=io
- Create your own profile, follow others from NUST or in your research area
- See citation score, h-index and co-author details



The screenshot shows the Google Scholar interface for the National University of Sciences and Technology, Islamabad. At the top, there is a search bar with the text "Search profiles" and a magnifying glass icon. Below the search bar, there are navigation options: "Profiles" with a blue diamond icon, and "My profile" with a graduation cap icon and a star icon. A blue banner below the navigation bar reads "National University of Sciences and Technology, Islamabad" with a "Learn more" link. Below the banner, there is a paragraph of text: "This page lists public profiles for National University of Sciences and Technology, Islamabad. To include your profile here, set your affiliation to National University of Sciences and Technology, Islamabad and verify an email address at this institution. [hide](#)". Below this text, there are three profile entries, each with a circular profile picture, a name, a title, a verified email address, and a list of research interests. The first entry is for Umar Shahid, a student of Systems Engineering, NUST, with 33996 citations. The second entry is for MJ Iqbal, an Asst. Professor, National University of Sciences & Technology, with 16222 citations. The third entry is for Khalid Mahmood, an Associate professor, NUST, with 13202 citations.

Google Scholar

Search profiles


Profiles


My profile


My

National University of Sciences and Technology, Islamabad [Learn more](#)

This page lists public profiles for National University of Sciences and Technology, Islamabad. To include your profile here, set your affiliation to National University of Sciences and Technology, Islamabad and verify an email address at this institution. [hide](#)

 **umar shahid** Cited by 33996
Student of Systems Engineering, NUST
Verified email at rcms.nust.edu.pk
[communication and networks](#)

 **MJ Iqbal** Cited by 16222
Asst, Professor, National University of Sciences & Technology
Verified email at mce.nust.edu.pk
[Transportation Engineering](#) [Disaster Management](#)

 **Khalid Mahmood** Cited by 13202
Associate professor, NUST
Verified email at ceme.nust.edu.pk
[Laser](#) [materials](#) [manufacturing](#)

Social Media – Academic Networks

ResearchGate

- Largest academic social networking site in terms of active users (European)
- ResearchGate users are primarily from the sciences but also popular with other disciplines like education
- Criticised for sending unsolicited email invitations to authors
- Consider copyright-has been controversial but now have an arrangement with publishers like Springer Nature and CUP

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Academia.edu

- Began as a free and open repository (USA)
- Academia is now a commercial platform that requires payment to access some of its features
- Most popular for the humanities and social sciences

Dimensions-Digital Science

- Collaboration between six Digital Science companies (Altmetric, Digital Science Consultancy, Figshare, Readcube, Symplectic and ÜberResearch) and more than 100 research funders and universities
- Access to millions of academic articles and open access content
- Integrates funded grants, publications and citations, altmetric data, clinical trials and patents
- Search options include Fields of Research
- <https://app.dimensions.ai/discover/publication>

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Metrics

Research Support

Metrics

Traditional Impact

- Measure how many times a research article has been cited
- The data is gathered overtime
- Two popular metrics are:
 - SJR
 - JCR

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Alternative Impact

- Measure how many times a research output has been shared, mentioned or downloaded from online sources
- The data is accumulated faster.
- It compliment traditional impact and good for disciplines such as Humanities and Social Sciences.
- Two popular platforms are:
 - PlumX
 - Altmetrics.com

Altmetrics

- Track quantity, not quality
- Include your research used in:
 - Social media engagement (retweets, likes, comments)
 - Public policy documents
 - Patent citations
 - News articles and mainstream media
 - Blog posts
 - Wikipedia

<https://www.altmetric.com/about-our-data/our-sources/>

Tips:

- Publish in high impact journals
- Make sure your profile is complete in University Research Portal
- Maintain Google Scholar Profile and one other profile i.e: ResearchGate
- Spend time to promote your research on social media such as Twitter, Facebook, Instagram, LinkedIn
- Use consistent naming, affiliation, images, ORCID etc.
- Consider your audience – make sure to include keywords and descriptions relevant to your audience.

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Any
questions?