2023 Journal Performance Data for: Mehran University Research Journal of Engineering and Technology

⊙ Open Access since 2011

ISSN
0254-7821

EISSN
2413-7219

JCR ABBREVIATION
MEHRAN UNIV RES J EN

ISO ABBREVIATION
Mehran Univ. Res. J. Eng. Technol.

Journal Information

EDITION
Emerging Sources Citation Index (ESCI)

CATEGORY
ENGINEERING, MULTIDISCIPLINARY

LANGUAGES
English

REGION
PAKISTAN

1ST ELECTRONIC JCR YEAR
2020

Publisher Information

PUBLISHER
MEHRAN UNIV ENGINEERING & TECHNOLOGY

ADDRESS
C/O MS MUMTAZ S MEMON, LIBRARIAN, JAMSHORO 00000, PAKISTAN

PUBLICATION FREQUENCY
4 issues/year

Journal's Performance

Journal Impact Factor

The Journal Impact Factor (JIF) is a journal-level metric calculated from data indexed in the Web of Science Core Collection. It should be used with careful attention to the many factors that influence citation rates, such as the volume of publication and citations characteristics of the subject area and type of journal. The Journal Impact Factor can complement expert opinion and informed peer review. In the case of academic evaluation for tenure, it is inappropriate to use a journal-level metric as a proxy measure for individual researchers, institutions, or articles. Learn more
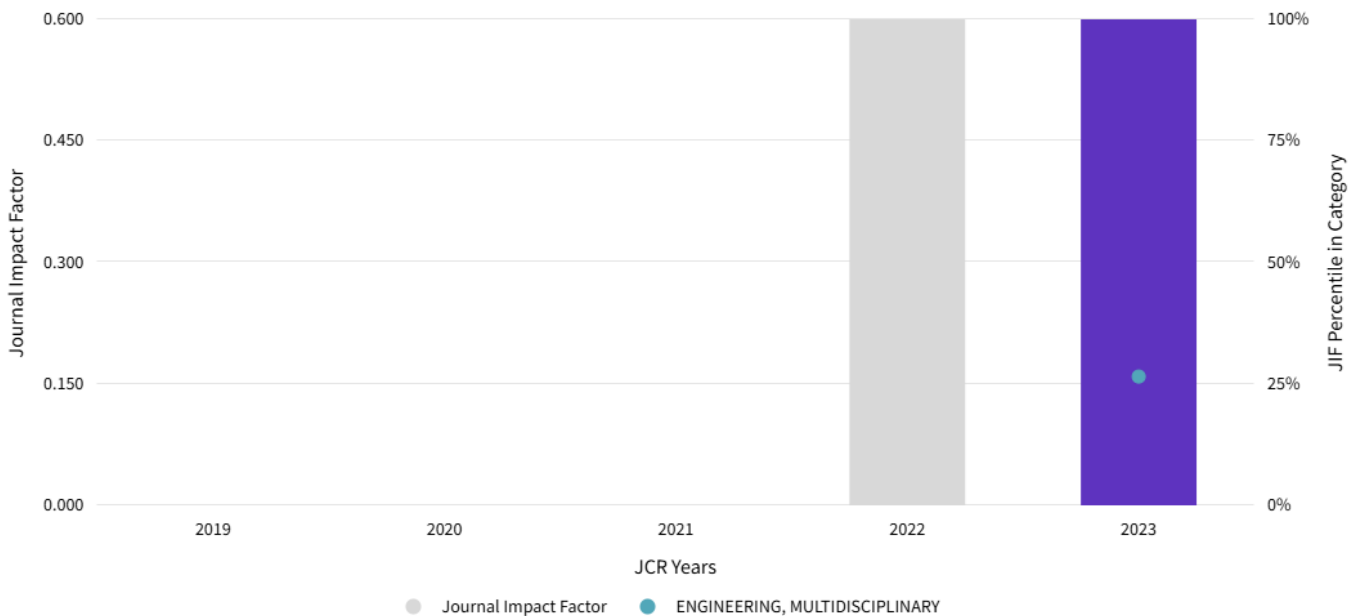
2023 JOURNAL IMPACT FACTOR

0.6

2023 JOURNAL IMPACT FACTOR WITHOUT SELF CITATIONS

0.5

Journal Impact Factor Trend 2023

Journal Impact Factor is calculated using the following metrics

$$\frac{\text{Citations in 2023 to items published in 2021 (51) - 2022 (40)}}{\text{Number of citable items in 2021 (81) + 2022 (80)}} = \frac{91}{161} = 0.6$$

Journal Impact Factor without self cites is calculated using the following metrics

$$\frac{\text{Citations in 2023 to items published in 2021 (51) + 2022 (40) - Self Citations in 2023 to items published in 2021 (4) + 2022 (4)}}{\text{Number of citable items in 2021 (81) + 2022 (80)}} = \frac{91 - 8}{161} = 0.5$$

Journal Impact Factor Contributing Items

Citable Items (161)

TITLE	CITATION COUNT
Prediction of Insurance Fraud Detection using Machine Learning Algorithms Authors: Rukhsar, Laiqa;Bangyal, Waqas Haider;Nisar, Kashif;Nisar, Sana Volume: 41 Accession number: WOS:000737264200001 Document Type: Article	6
Resume Classification System using Natural Language Processing and Machine Learning Techniques Authors: Ali, Irfan;Mughal, Nimra;Khand, Zahid Hussain;Ahmed, Javed;Mujtaba, Ghulam Volume: 41 Accession number: WOS:000737282900001 Document Type: Article	5
Adapted flower pollination algorithm for a standalone solar photovoltaic system Authors: Awan, Muhammad Mateen Afzal;Awan, Mehmoona Javed Volume: 41 Accession number: WOS:001131571200012 Document Type: Article	4
Zernike Moments Based Handwritten Pashto Character Recognition Using Linear Discriminant Analysis Authors: Jehangir, Sardar;Khan, Sohail;Khan, Sulaiman;Nazir, Shah;Hussain, Anwar Volume: 40 Accession number: WOS:000608579900006 Document Type: Article	4
Effect of Climatic Conditions on Treatment Efficiency of Wastewater Stabilization Ponds at Chokera, Faisalabad Authors: Ali, Hafiz Qasim;Farooq, Amir;Ahmad, Muzaffar;Ahmed, Mohammad Laeeque;Akhtarl, Muhammad Volume: 40 Accession number: WOS:000608579900019 Document Type: Article	3

Showing 1-5 rows of 161 total (use export in the relevant section to download the full table)

# Journal Impact Factor Contributing Items

Citing Sources (65)

SOURCE NAME	COUNT
MEHRAN UNIVERSITY RESEARCH JOURNAL OF ENGINEERING AND TECHNOLOGY	8
SUSTAINABILITY	8
SENSORS	4
IEEE ACCESS	3
ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING	2
APPLIED SCIENCES-BASEL	2
CASE STUDIES IN CONSTRUCTION MATERIALS	2
CONSTRUCTION AND BUILDING MATERIALS	2
ENERGIES	2
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2
FRONTIERS IN BIG DATA	2
2023 EIGHTH INTERNATIONAL CONFERENCE ON MOBILE AND SECURE SERVICES, MOBISECSERV	1
AATCC JOURNAL OF RESEARCH	1
ACM TRANSACTIONS ON ASIAN AND LOW-RESOURCE LANGUAGE INFORMATION PROCESSING	1
ACS OMEGA	1
ADVANCES IN CIVIL AND ARCHITECTURAL ENGINEERING	1
ADVANCES IN METEOROLOGY	1
AGRONOMY-BASEL	1
APPLIED ACOUSTICS	1
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING	1

Showing 1-20 rows of 65 total (use export in the relevant section to download the full table)

Journal Citation Indicator (JCI)
0.19

The Journal Citation Indicator (JCI) is the average Category Normalized Citation Impact (CNCI) of citable items (articles & reviews) published by a journal over a recent three year period. The average JCI in a category is 1. Journals with a JCI of 1.5 have 50% more citation impact than the average in that category. It may be used alongside other metrics to help you evaluate journals. Learn more
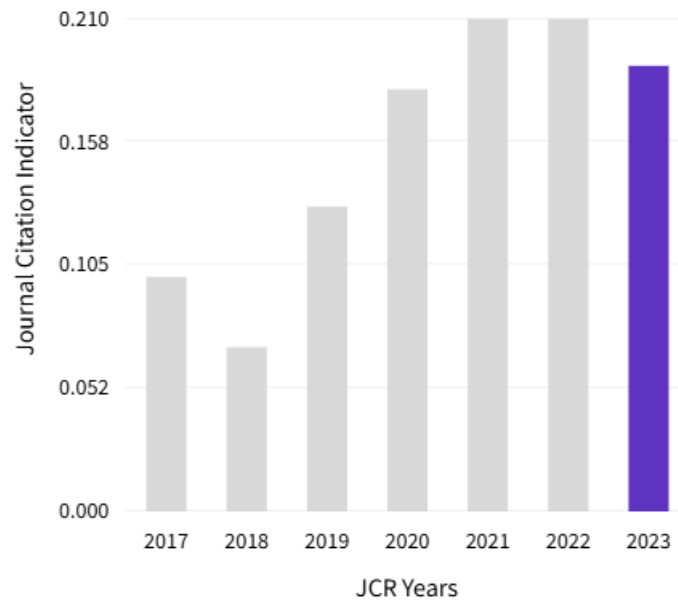
Total Citations

342

The total number of times that a journal has been cited by all journals included in the database in the JCR year. Citations to journals listed in JCR are compiled annually from the JCR years combined database, regardless of which JCR edition lists the journal.
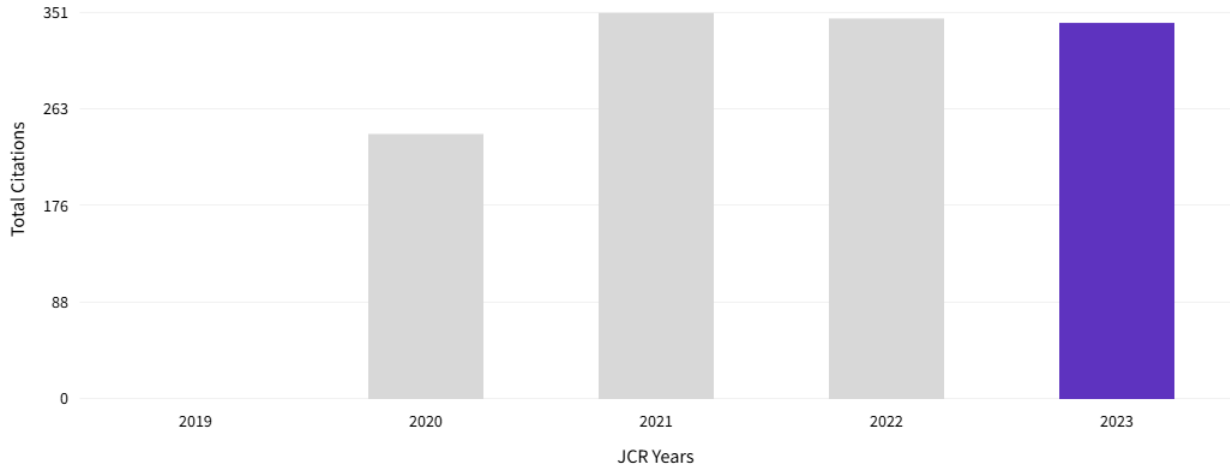
Citation Distribution

The Citation Distribution shows the frequency with which items published in the year or two years prior were cited in the JCR data year (i.e., the component of the calculation of the JIF). The graph has similar functionality as the JIF Trend graph, including hover-over data descriptions for each data point, and an interactive legend where each data element's legend can be used as a toggle. You can view Articles, Reviews, or Non-Citable (other) items to the JIF numerator. Learn more

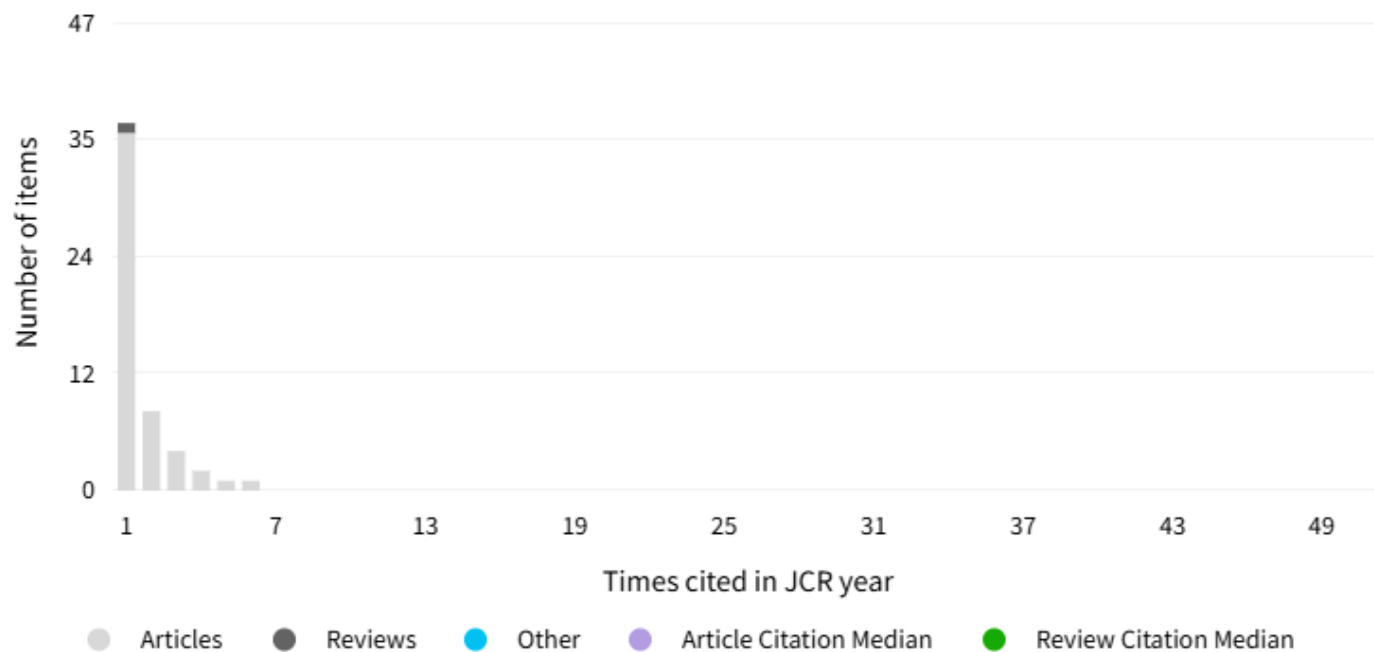| ARTICLE CITATION MEDIAN	REVIEW CITATION MEDIAN	UNLINKED CITATIONS
0	0	7

Legend: Articles, Reviews, Other, Article Citation Median, Review Citation Median

0 times cited

ARTICLES	REVIEWS	OTHER
105	3	0

Open Access (OA)

The data included in this tile summarizes the items published in the journal in the JCR data year and in the previous two years. This three-year set of published items is used to provide descriptive analysis of the content and community of the journal.Learn more

Items

TOTAL CITABLE
235

% OF CITABLE OA
96.17%

CITABLE	NON-CITABLE
🟠 GOLD OPEN ACCESS	⚫ OTHER (NON-CITABLE ITEMS)
226 / 96.17%	0 / 0.00%
⚪ SUBSCRIPTION OR BRONZE	
9 / 3.83%	

3.83%

96.17%
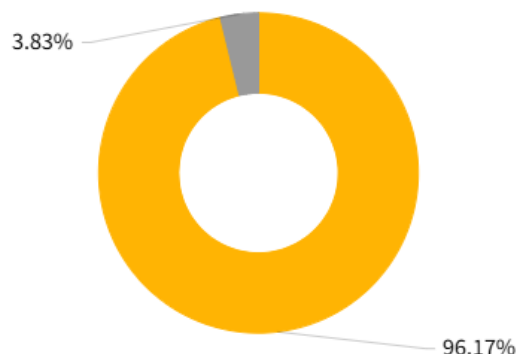
Citations*

TOTAL CITABLE
96

% OF CITABLE OA
100.00%

CITABLE	NON-CITABLE
🟠 GOLD OPEN ACCESS	⚫ OTHER (NON-CITABLE ITEMS)
96 / 91.43%	0 / 0.00%
⚪ SUBSCRIPTION OR BRONZE	⚪ UNLINKED CITATIONS
0 / 0.00%	9 / 8.57%

8.57%

91.43%
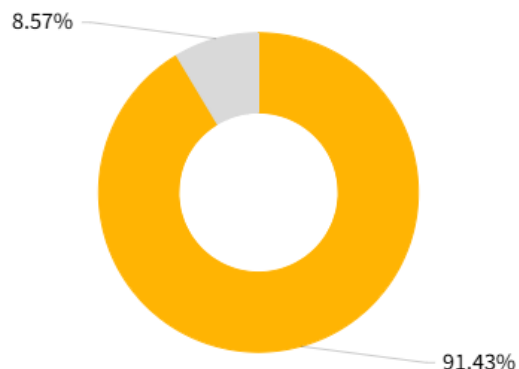
* Citations in 2023 to items published in (2021-2023)

Rank by Journal Impact factor

Journals within a category are sorted in descending order by Journal Impact Factor (JIF) resulting in the Category Ranking below. A separate rank is shown for each category in which the journal is listed in JCR. Beginning in 2023, ranks are calculated by category. Learn more

CATEGORY

ENGINEERING, MULTIDISCIPLINARY

132/179

JCR YEAR	JIF RANK	QUARTILE	JIF PERCENTILE
2023	132/179	Q3	26.5

Rank by Journal Citation Indicator (JCI)

Journals within a category are sorted in descending order by Journal Citation Indicator (JCI) resulting in the Category Ranking below. A separate rank is shown for each category in which the journal is listed in JCR. Data for the most recent year is presented at the top of the list, with other years shown in reverse chronological order.Learn more

CATEGORY

ENGINEERING, MULTIDISCIPLINARY

132/180

JCR YEAR	JCI RANK	QUARTILE	JCI PERCENTILE	
2023	132/180	Q3	26.94	
2022	123/178	Q3	31.18	
2021	126/175	Q3	28.29	
2020	126/170	Q3	26.18	
2019	135/169	Q4	20.41	
2018	149/168	Q4	11.61	
2017	137/168	Q4	18.75	

Citation network

Cited Half-life

4.4 years

The Cited Half-Life is the median age of the items in this journal that were cited in the JCR year. Half of a journal's cited items were published more recently than the cited half-life.
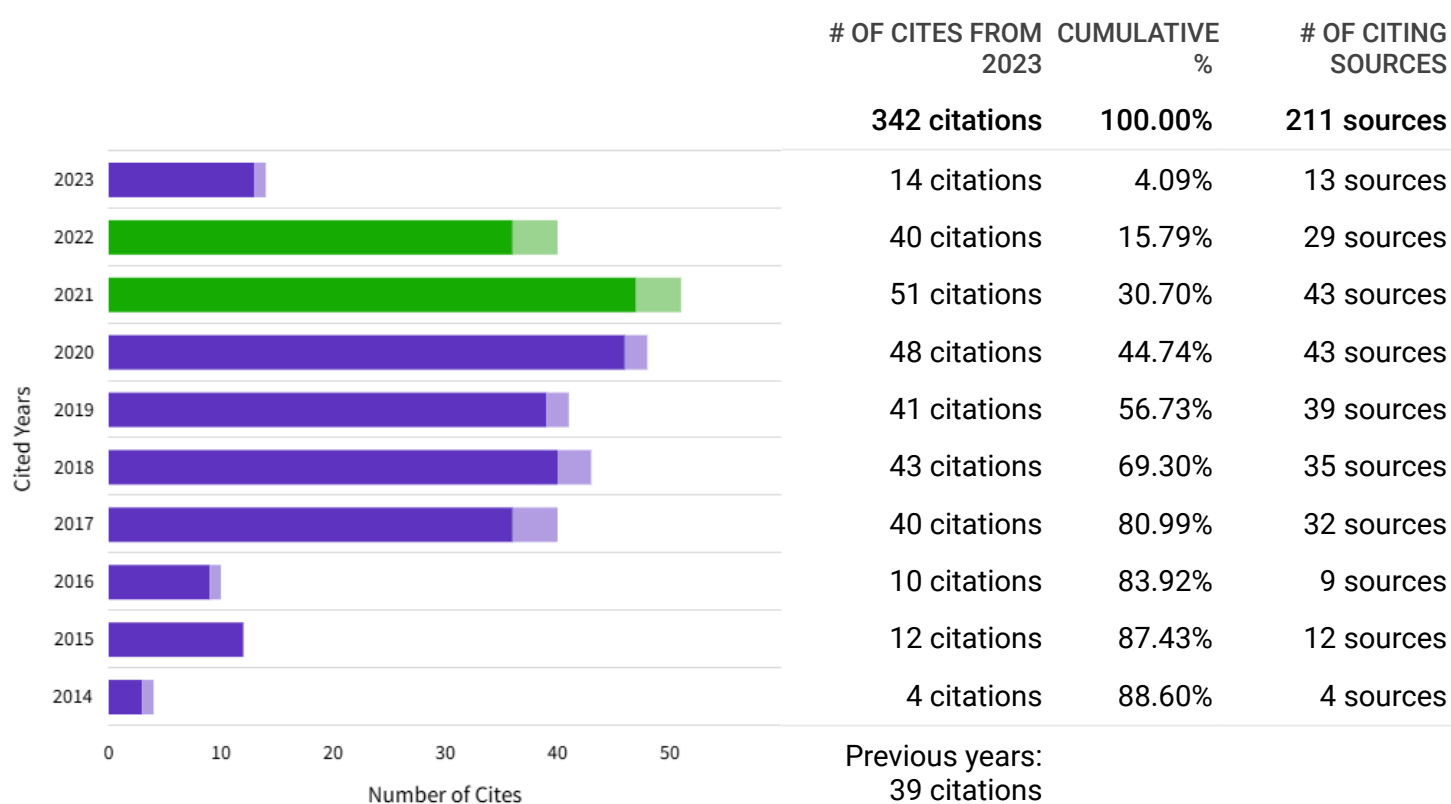
TOTAL NUMBER OF CITES	NON-SELF CITATIONS	SELF CITATIONS
342	320	22

Cited Years	# OF CITES FROM 2023	CUMULATIVE %	# OF CITING SOURCES
	342 citations	100.00%	211 sources
2023	14 citations	4.09%	13 sources
2022	40 citations	15.79%	29 sources
2021	51 citations	30.70%	43 sources
2020	48 citations	44.74%	43 sources
2019	41 citations	56.73%	39 sources
2018	43 citations	69.30%	35 sources
2017	40 citations	80.99%	32 sources
2016	10 citations	83.92%	9 sources
2015	12 citations	87.43%	12 sources
2014	4 citations	88.60%	4 sources

Previous years:
39 citations

- Non-self citations: citations to the journal from the items in other sources
- Citations to items in the journal from items in the same journal
- Citations used to calculate the Impact Factor

Citing titles in all years

Mehran University Research Journal of Engineering and Technology

	SOURCE NAME	COUNT
	All Others	166
1	Mehran University Research Journal of Engineering and Technology	22
2	Sustainability	15
3	Applied Sciences-Basel	7
4	ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING	6
5	Construction and Building Materials	6
6	IEEE Access	6
7	SENSORS	6
8	Energies	5
9	Heliyon	5
10	MULTIMEDIA TOOLS AND APPLICATIONS	5
11	Ocean Engineering	5
12	Water	5
13	Biomass Conversion and Biorefinery	4
14	Case Studies in Construction Materials	4
15	Education and Information Technologies	4
16	Journal of Composites Science	4
17	Civil Engineering Journal-Tehran	3
18	CMC-Computers Materials & Continua	3
19	ELECTRICAL ENGINEERING	3
20	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	3

Showing 1 - 20 rows of 44 total (use export in the relevant section to download the full table)

Citing Half-life

7.3 years

The Citing Half-Life is the median age of items in other publications cited by this journal in the JCR year.
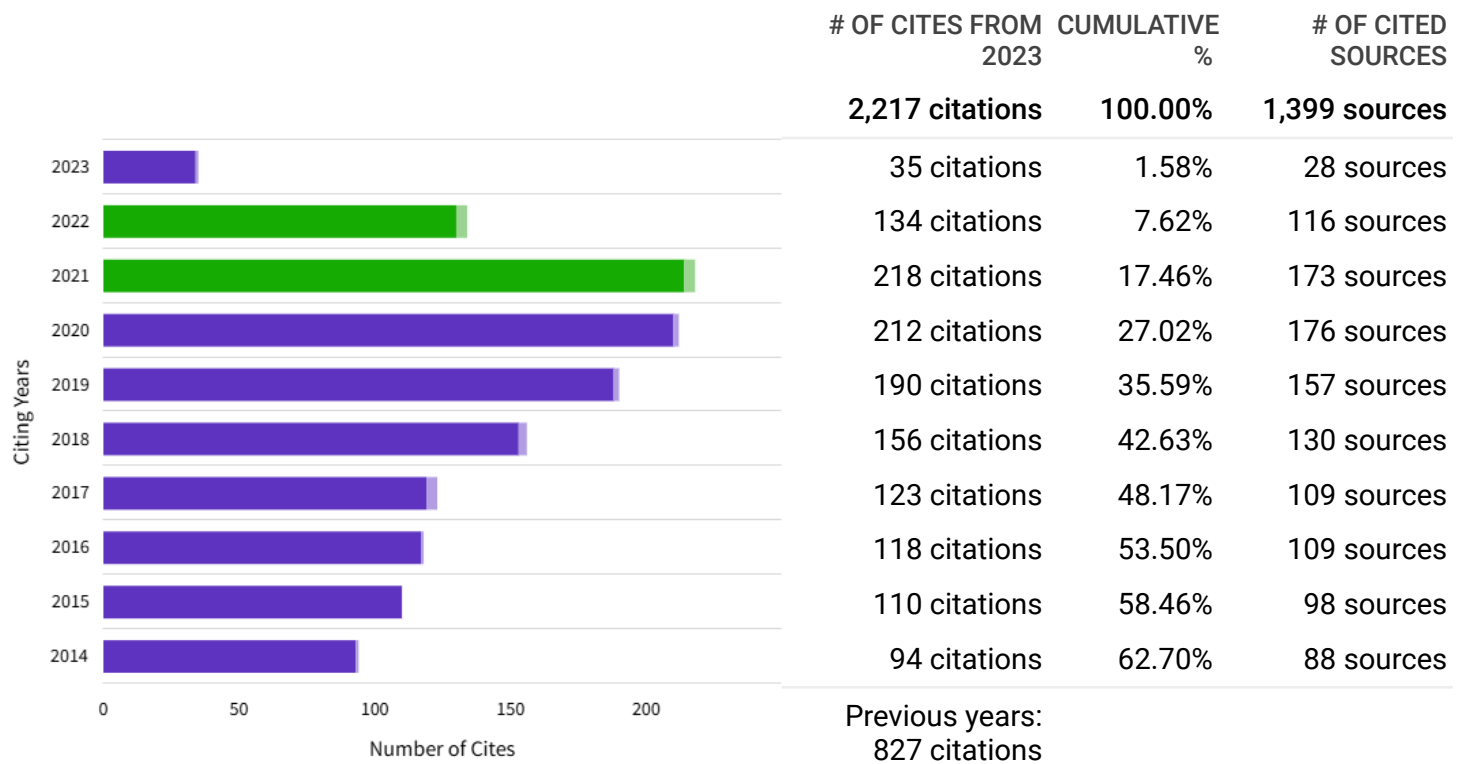
TOTAL NUMBER OF CITES	NON-SELF CITATIONS	SELF CITATIONS
2,217	2,195	22

Citing Years	# OF CITES FROM 2023	CUMULATIVE %	# OF CITED SOURCES
	2,217 citations	**100.00%**	**1,399 sources**
2023	35 citations	1.58%	28 sources
2022	134 citations	7.62%	116 sources
2021	218 citations	17.46%	173 sources
2020	212 citations	27.02%	176 sources
2019	190 citations	35.59%	157 sources
2018	156 citations	42.63%	130 sources
2017	123 citations	48.17%	109 sources
2016	118 citations	53.50%	109 sources
2015	110 citations	58.46%	98 sources
2014	94 citations	62.70%	88 sources

Previous years: 827 citations

- Non-self citations: citations to the journal from the items in other sources
- Citations to items in the journal from items in the same journal
- Citations used to calculate the Impact Factor

Cited titles in all years

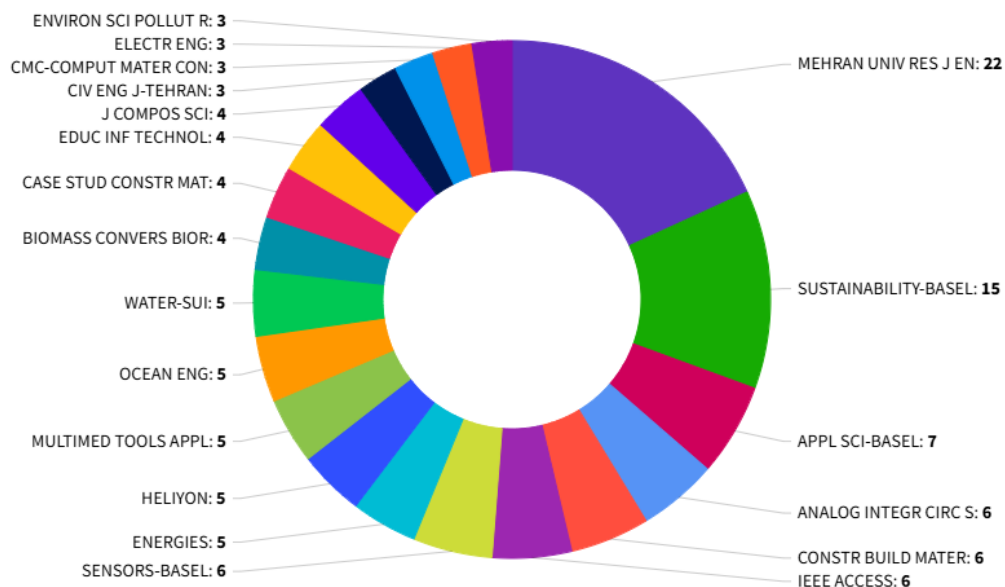Mehran University Research Journal of Engineering and Technology

	SOURCE NAME	COUNT
	All Others	1,109
1	IEEE Access	27
2	APPLIED MATHEMATICS AND COMPUTATION	24
3	Mehran University Research Journal of Engineering and Technology	22
4	RENEWABLE & SUSTAINABLE ENERGY REVIEWS	16
5	Sustainability	16
6	Energies	15
7	IEEE Communications Surveys and Tutorials	14
8	COMPOSITES SCIENCE AND TECHNOLOGY	13
9	Construction and Building Materials	12
10	ENERGY CONVERSION AND MANAGEMENT	12
11	Journal of Cleaner Production	12
12	JOURNAL OF COMPOSITE MATERIALS	12
13	COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING	10
14	IEEE TRANSACTIONS ON POWER DELIVERY	10
15	Applied Sciences-Basel	9
16	Frontiers in Chemistry	9
17	IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS	9
18	Renewable Energy	9
19	IEEE Internet of Things Journal	8
20	INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY	8

Showing 1 - 20 rows of 225 total (use export in the relevant section to download the full table)

Journal Citation Relationships

Cited Data

Top 20 journals citing MEHRAN UNIV RES J EN by number of citations

ENVIRON SCI POLLUT R: **3**
ELECTR ENG: **3**
CMC-COMPUT MATER CON: **3**
CIV ENG J-TEHRAN: **3**
J COMPOS SCI: **4**
EDUC INF TECHNOL: **4**
CASE STUD CONSTR MAT: **4**
BIOMASS CONVERS BIOR: **4**
WATER-SUI: **5**
OCEAN ENG: **5**
MULTIMED TOOLS APPL: **5**
HELIYON: **5**
ENERGIES: **5**
SENSORS-BASEL: **6**

MEHRAN UNIV RES J EN: **22**
SUSTAINABILITY-BASEL: **15**
APPL SCI-BASEL: **7**
ANALOG INTEGR CIRC S: **6**
CONSTR BUILD MATER: **6**
IEEE ACCESS: **6**

Citing Data

Top 20 journals cited by MEHRAN UNIV RES J EN by number of citations

- INT J ADV MANUF TECH: **8**
- IEEE INTERNET THINGS: **8**
- RENEW ENERG: **9**
- IEEE T INTELL TRANSP: **9**
- FRONT CHEM: **9**
- APPL SCI-BASEL: **9**
- IEEE T POWER DELIVER: **10**
- COMPOS PART A-APPL S: **10**
- J COMPOS MATER: **12**
- J CLEAN PROD: **12**
- ENERG CONVERS MANAGE: **12**
- CONSTR BUILD MATER: **12**
- COMPOS SCI TECHNOL: **13**
- IEEE ACCESS: **27**
- APPL MATH COMPUT: **24**
- MEHRAN UNIV RES J EN: **22**
- RENEW SUST ENERG REV: **16**
- SUSTAINABILITY-BASEL: **16**
- ENERGIES: **15**
- IEEE COMMUN SURV TUT: **14**

Content metrics

Source data

This tile shows the breakdown of document types published by the journal. Citable Items are Articles and Reviews. For the purposes of calculating JIF, a JCR year considers the publications of that journal in the two prior years. Learn more

74 total citable items

	ARTICLES	REVIEWS	COMBINED (C)	OTHER DOCUMENT TYPES (O)	PERCENTAGE
NUMBER IN JCR YEAR 2023 (A)	74	0	74	0	100%
NUMBER OF REFERENCES (B)	2,217	0	2,217	0	100%
RATIO (B/A)	30.0	N/A	30.0	N/A	

Average JIF Percentile

The Average Journal Impact Factor Percentile takes the sum of the JIF Percentile rank for each category under consideration, then calculates the average of those values. Learn more

ALL CATEGORIES AVERAGE	ENGINEERING, MULTIDISCIPLINARY
26.5	26.5

Contributions by Organizations

Organizations that have contributed the most papers to the journal in the most recent three-year period. Learn more

RANK	ORGANIZATION	COUNT	
1	MEHRAN UNIVERSITY ENGINEERING & TECHNOLOGY	52	
2	NED UNIVERSITY OF ENGINEERING & TECHNOLOGY	26	
3	UNIVERSITY OF ENGINEERING & TECHNOLOGY TAXILA	22	
4	QUAID E AWAM UNIV ENGN SCI & TECHNOL	12	
-	UNIVERSITY OF ENGINEERING & TECHNOLOGY LAHORE	12	
6	UNIVERSITY OF ENGINEERING & TECHNOLOGY PESHAWAR	11	
7	DAWOOD UNIV ENGN & TECHNOL	8	
-	UNIVERSITY OF MANAGEMENT & TECHNOLOGY (UMT)	8	

Showing 1 - 8 rows of 220 total (use export in the relevant section to download the full table)

Contributions by country/region

Countries or Regions that have contributed the most papers to the journal in the most recent three-year period. Learn more

| RANK	COUNTRY/REGION	COUNT	
1	Pakistan	211	
2	CHINA MAINLAND	21	
3	India	7	
-	Saudi Arabia	7	
5	USA	5	
6	Canada	4	
-	Malaysia	4	
8	Australia	3	

Showing 1 - 8 rows of 26 total (use export in the relevant section to download the full table)

Additional metrics
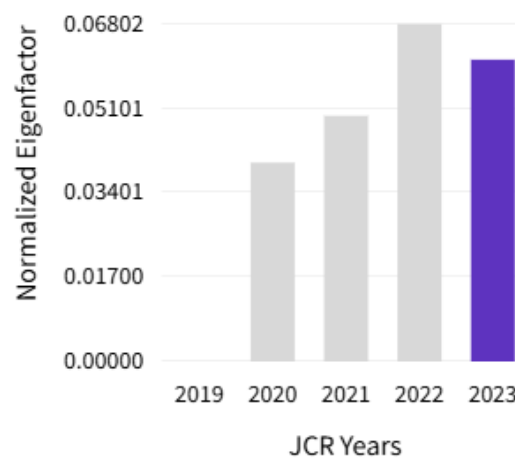
Eigenfactor score

0.00027

The Eigenfactor Score is a reflection of the density of the network of citations around the journal using 5 years of cited content as cited by the Current Year. It considers both the number of citations and the source of those citations, so that highly cited sources will influence the network more than less cited sources. The Eigenfactor calculation does not include journal self-citations. Learn more
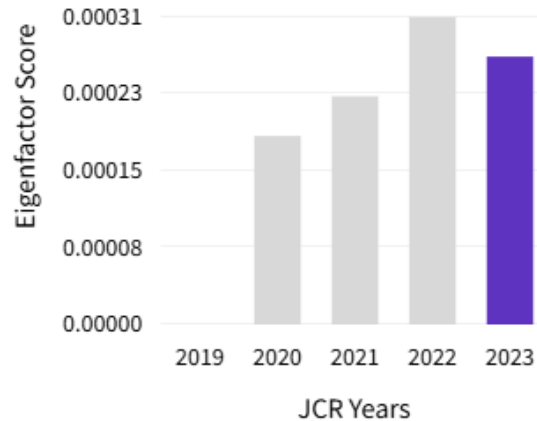
## Normalized Eigenfactor

0.06084

The Normalized Eigenfactor Score is the Eigenfactor score normalized, by rescaling the total number of journals in the JCR each year, so that the average journal has a score of 1. Journals can then be compared and influence measured by their score relative to 1. Learn more

Article influence score
0.082

The Article Influence Score normalizes the Eigenfactor Score according to the cumulative size of the cited journal across the prior five years. The mean Article Influence Score for each article is 1.00. A score greater than 1.00 indicates that each article in the journal has above-average influence. Learn more
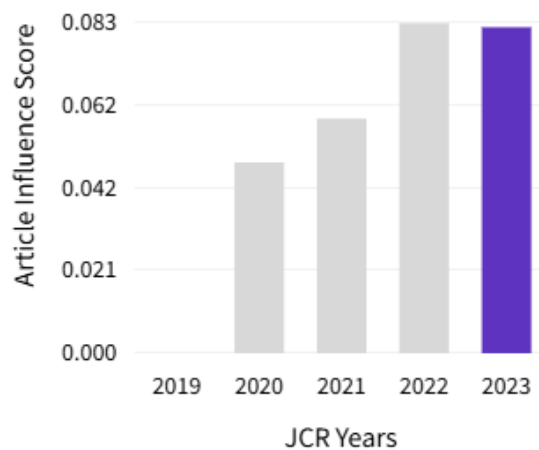
5 year Impact Factor
0.5

The 5-year Impact Factor is the average number of times articles from the journal published in the past five years have been cited in the JCR year. It is calculated by dividing the number of citations in the JCR year by the total number of articles published in the five previous years.
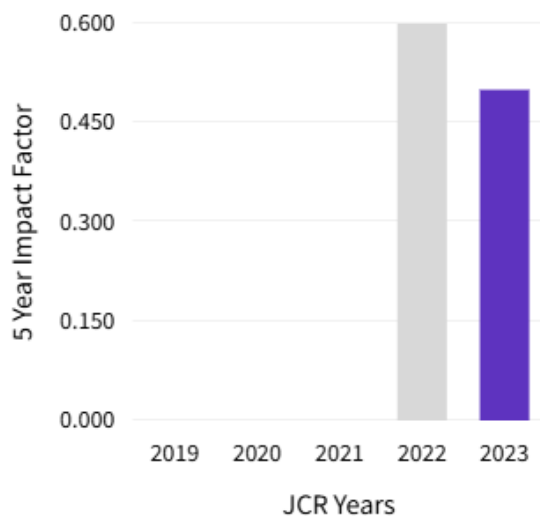
5 year Impact Factor calculation

Citations in 2023 to items published in [2018-2022] (223)		223		
————————————————————	=	————	=	0.5
Number of citable items in [2018-2022] (411)		411		

Immediacy Index
0.2

The Immediacy Index is the count of citations in the current year to the journal that reference content in this same year. Journals that have a consistently high Immediacy Index attract citations rapidly.
Learn more
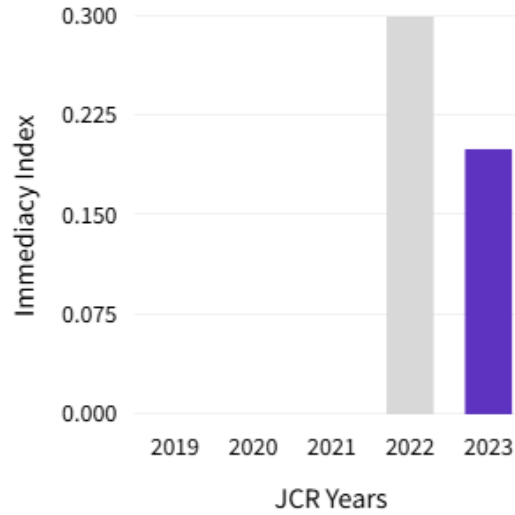
Immediacy Index calculation

Cites in 2023 to items published in [2023]		14		
———————————————	=	————	=	0.2
Number of items published in [2023]		74		