EUROPEAN JOURNAL OF OPERATIONAL RESEARCH (*EJOR*)

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Established in **1977**, sponsored by **EURO**

Volume: **~ 9 000** pages/year, in 24 issues

Total cites: **52 278** in 2019 (1st of 83 OR & MS)

JCR 2-y Impact Factor 2019 = **4.21**

JCR 5-y Impact Factor 2019 = **4.73**

CiteScore 2019 (4y IF) = **8.5**

full text downloads via ScienceDirect ~ **3 mln/y**

new submissions per year (2019): **3 627**

Latest : Vol. 287, No. 1, 16 November 2020

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EUROPEAN JOURNAL OF OPERATIONAL RESEARCH (*EJOR*)

THE EDITORS 2021-2023

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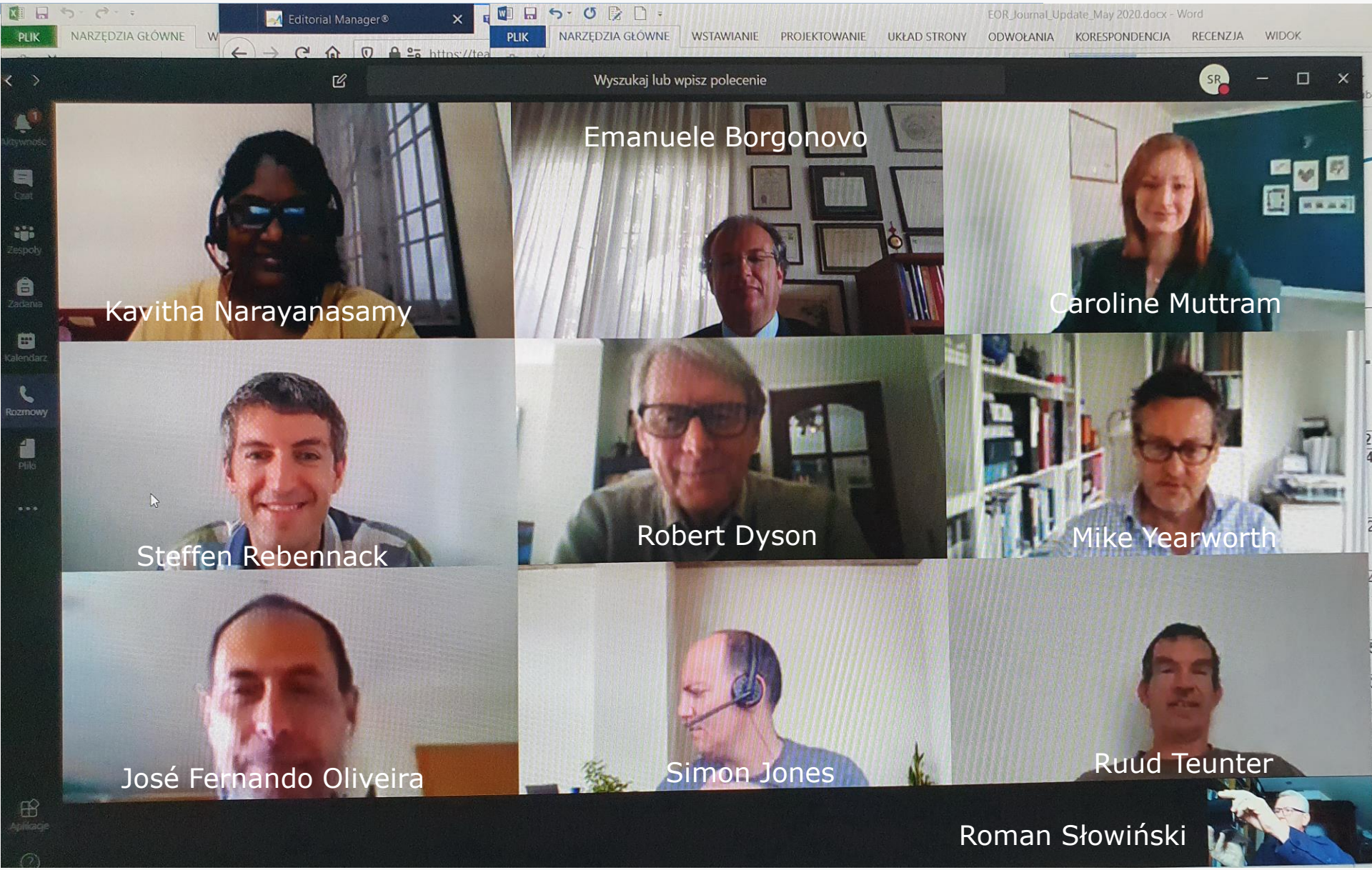
EUROPEAN JOURNAL OF OPERATIONAL RESEARCH (*EJOR*)

2020 meeting of the Editors with the Publisher



EJOR on the website

ISSN: 0377-2217

European Journal of Operational Research

Published in collaboration with the Association of European Operational Research Societies (EURO)

Co-ordinating Editor in Chief: R. Slowiński, PhD

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> **CiteScore: 8.5** ⓘ **Impact Factor: 4.213** ⓘ

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The *European Journal of Operational Research (EJOR)* publishes high quality, original papers that contribute to the methodology of **operational research** (OR) and to the practice of **decision making**. *EJOR* contains the following types of papers:

• Invited Reviews, explaining to the general OR audience...

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Deep learning with long short-term memory networks for financial market predictions
Thomas Fischer | Christopher Krauss

Editors' Choice

Every 6 months, the Editors recommend 6 papers published recently, that are opened for next 6 months

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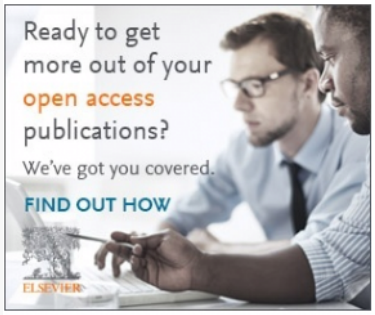
Journal Metrics

- CiteScore: **8.5**
- Impact Factor: **4.213**
- 5-Year Impact Factor: **4.729**
- Source Normalized Impact per Paper (SNIP): **2.875**
- SCImago Journal Rank (SJR): **2.364**
- View More on Journal Insights



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EJOR Editors' Choice Articles, June 2020

Chosen by

Emanuele Borgonovo:

Tristan Garrec, Marco Scarsini, Search for an immobile hider on a stochastic network, *European Journal of Operational Research*, Volume 283, Issue 2, 1 June 2020, Pages 783-794, https://doi.org/10.1016/j.ejor.2019.11.040

Robert Dyson:

Zhou Xun, Kuoumanen Timo, What drives decarbonization of new passenger cars? *European Journal of Operational Research*, Volume 284, Issue 3 August 2020, Pages 1043-1057, https://doi.org/10.1016/j.ejor.2020.01.018

José Fernando Oliveira:

Enrique Benavent, Ángel Corberán, Demetrio Laganà, Francesca Vocaturo, The Periodic Rural Postman Problem with Irregular Services on Mixed Graphs, *European Journal of Operational Research*, Volume 276, Issue 3, 1 August 2019, Pages 826-839, https://doi.org/10.1016/j.ejor.2019.01.056

Steffen Rebennack:

Markus Löschenbrand , Finding multiple Nash equilibria via machine learning-supported Gröbner bases, *European Journal of Operational Research*, Volume 284, Issue 31 August 2020, Pages 1178-1189 https://doi.org/10.1016/j.ejor.2020.01.041

Roman Słowiński:

André Chassein, Marc Goerigk, Adam Kasperski, Paweł Zieliński, Approximating combinatorial optimization problems with the ordered weighted averaging criterion, *European Journal of Operational Research*, Volume 286, Issue 3, 1 November 2020, Pages 828-838 https://doi.org/10.1016/j.ejor.2020.04.018

Ruud Teunter:

Nikolaos Kourentzes, George Athanasopoulos, Elucidate structure in intermittent demand series, *European Journal of Operational Research*, Available online 30 May 2020. https://doi.org/10.1016/j.ejor.2020.05.046

From Editorial Policy

- EJOR welcomes the following types of papers:
  - **Invited Reviews**, explaining to the general OR audience the developments in an OR topic over the recent years
  - **Innovative Applications of OR**, describing novel ways to solve real problems
  - **Theory and Methodology Papers**, presenting original research results contributing to the methodology of OR and to its theoretical foundations,
  - **Short Communications**, if they correct important defficiencies of papers recently published in *EJOR*

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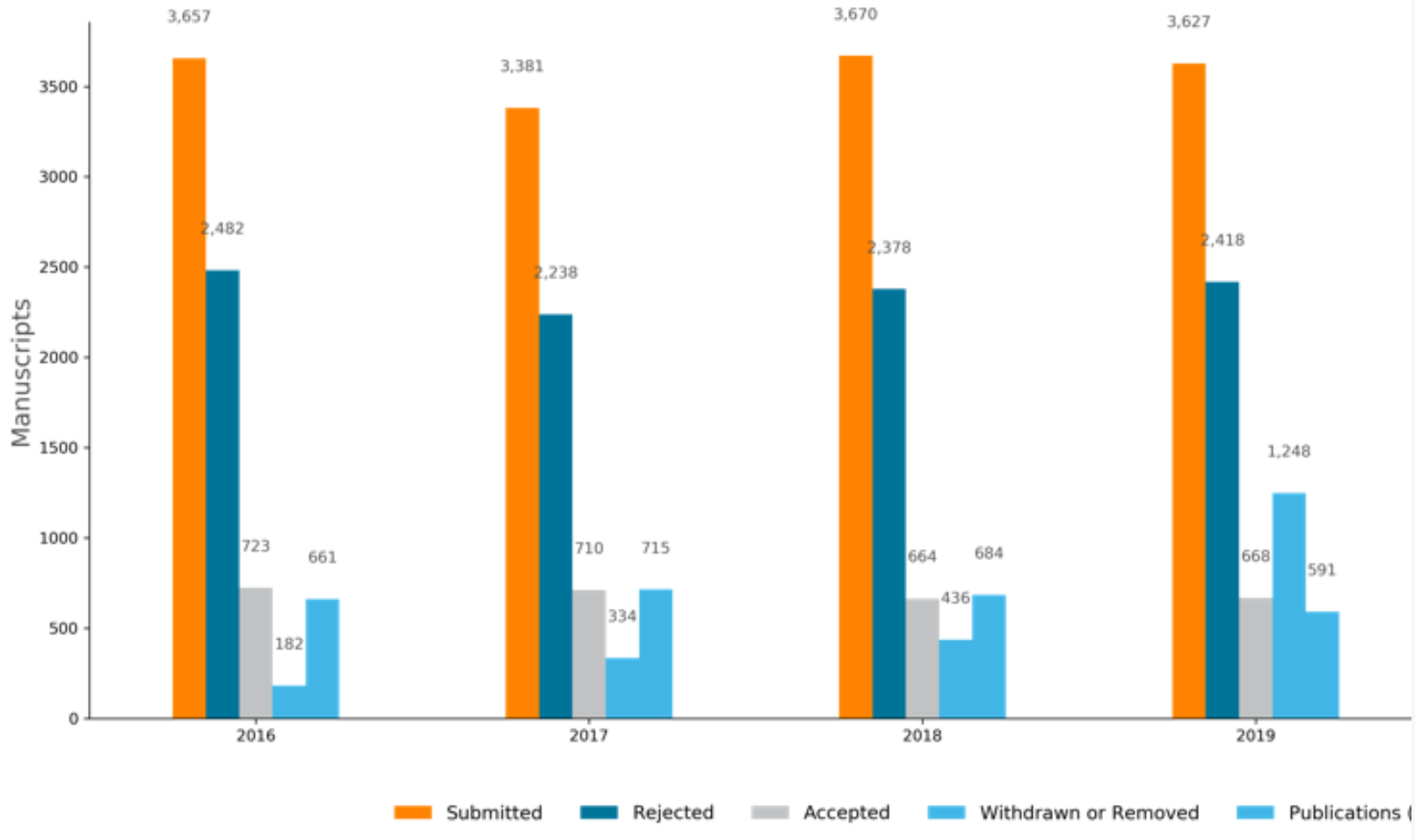
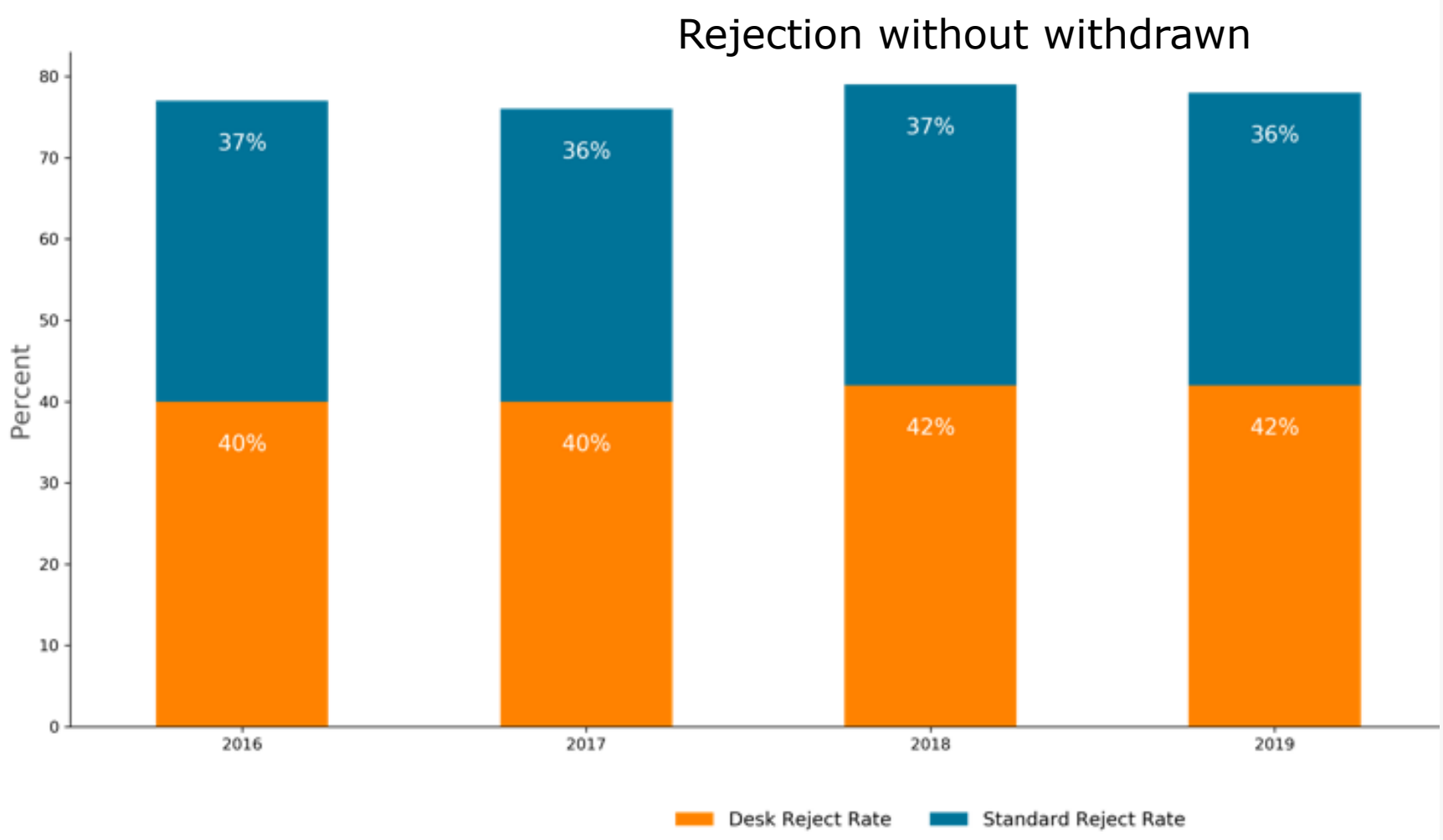
- All articles published with gold open access will be immediately and permanently free for everyone to read and download.
- The gold open access publication fee for EJOR is USD 2200.
- According to green open access, an author can self-archive their accepted manuscript immediately and enable public access from their institution's repository after an embargo period of 24 months.
- More open access articles would improve journal's position (now, 25/y=4%)
- Editors addressed a postulate to EURO EC for sponsoring ~60 OA/y

EJOR – evolution of submissions and acceptances



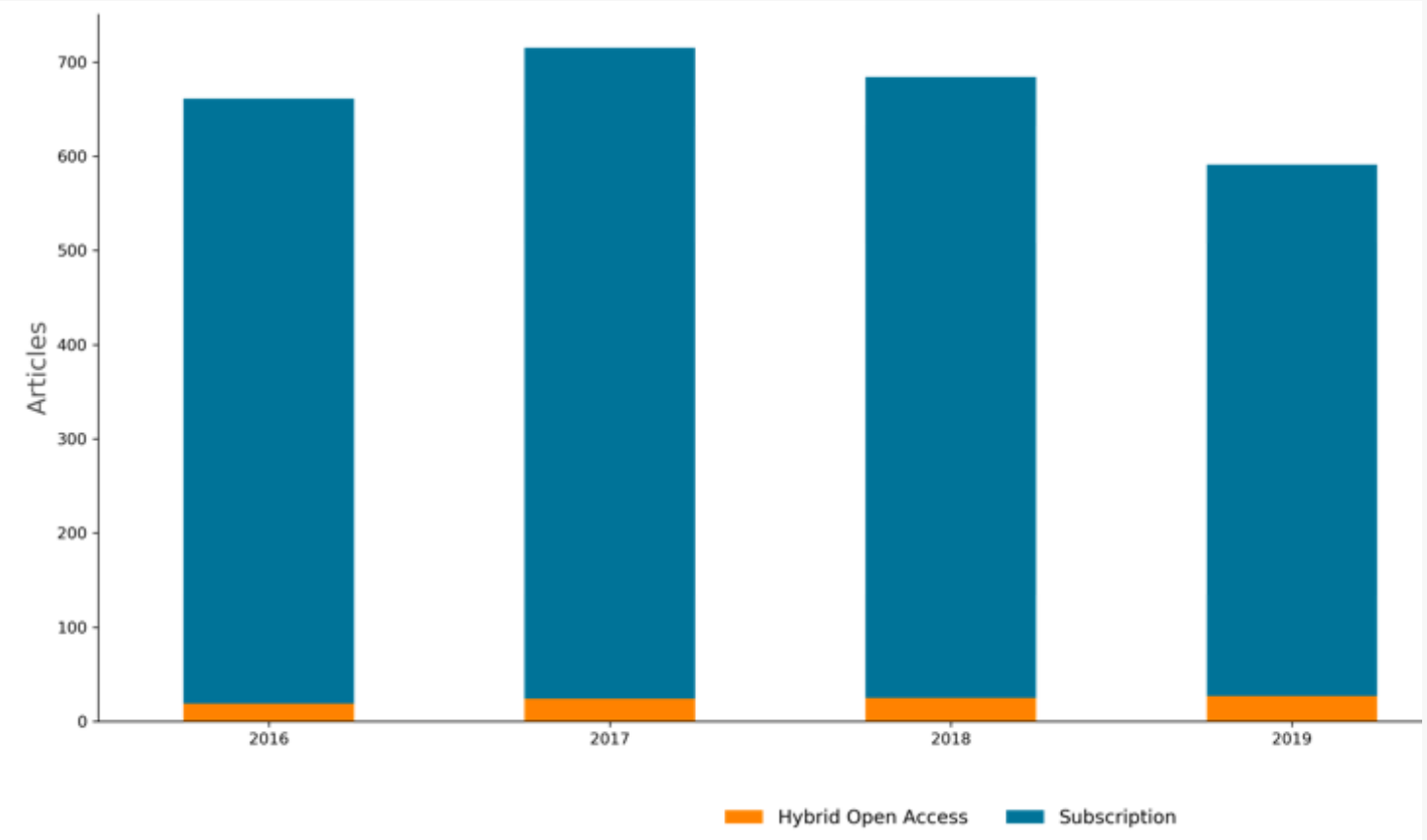
Aceptance rate 2019: ~18.4%

EJOR – evolution of submissions and acceptances



Aceptance rate 2019: ~18.4%

EJOR – published articles by access type



Access Type	2016	2017	2018	2019	2020 YTD
Open Access	19	24	25	27	14
Subscription	655	699	667	572	269
Total	674	723	692	599	283

Feature Clusters in EJOR

Articles	Special Item Group Name	Compilation Year	Volume Issue
12	SI: Feat. Cluster Exact MOO	2017-03-21	260/3
9	SI:MCDA Learning	2017-09-22	264/2
19	SI:OR in practice	2017-10-12	264/3
32	SI: Community OR	2018-04-12	268/3
25	SI:OR Approaches for Sustainability	2018-04-21	269/1
10	SI: Humanitarian Operations	2018-04-24	269/2
13	SI: New OR Horizons	2018-06-15	270/3
16	SI: Advances in DEA	2019-05-24	278/2
16	SI: Business Analytics	2019-11-28	281/3
18	SI: Stochastic Optimization	2020-04-09	285/1

Feature Clusters in EJOR – in preparation

Special Issue Title	Stage	Submission Deadline	Acceptance Deadline	Expected Publication Year
OR as an ubiquitous science	Preparation	31-May-19	31-Oct-19	2019
New Trends in Applied Combinatorial Optimization	Preparation	31-Dec-18	30-Sep-19	2019
Advances in Stochastic Optimization	Production	31-Mar-18	30-Apr-19	2019
The role of Operational Research in the future epidemics/pandemics	Contracted	15-Feb-21	31-Jul-21	2021
Proceedings of the Thirtieth European Conference on Operational Research (EURO 2019)	Preparation	31-Jan-20	30-Nov-20	2021

EJOR – number of editors' and reviewers' tasks

- Ratio of invited reviewers to completed reviews in 2019 (2018)

  45.7% (46.3%)

- Peer Reviews per Accepted Article

  In average 2019 (2018):

  - **6.0** (5.9) reviewers invited/acc. article
  - **2.8** (2.7) reviewers completed/acc. article
  - **5.7** (5.4) reviews used/acc. article

Awards for reviewers

- **EJOR R-index** based on data from EES reviewer performance report
  - avg # days to respond (x_1) – weight w_1=1.0 – decreasing
  - avg # days to complete (x_2) – weight w_2=1.0 – decreasing
  - # times submitted on time (x_3) – weight w_3=2.0 – increasing
  - # times submitted late (x_4) – weight w_4=1.0 – increasing
  - # times terminated after acceptance (x_5) – decreasing
    weight w_5=2.0 if #rem>1, 0 otherwise
  - avg utility score (50-100%) (x_6) – weight w_6=0.1 – increasing
- The **EJOR R-index** for the generic reviewer:

$$R = \frac{w_1}{1+x_1} + \frac{w_2}{1+x_2} + w_3 x_3 + w_4 x_4 - w_5 x_5 + w_6 x_6$$

Reports that got less than 50% utility score were excluded

Awards for reviewers who did an outstanding job by submitting timely, unbiased and thoughtful reviews – started in 2010

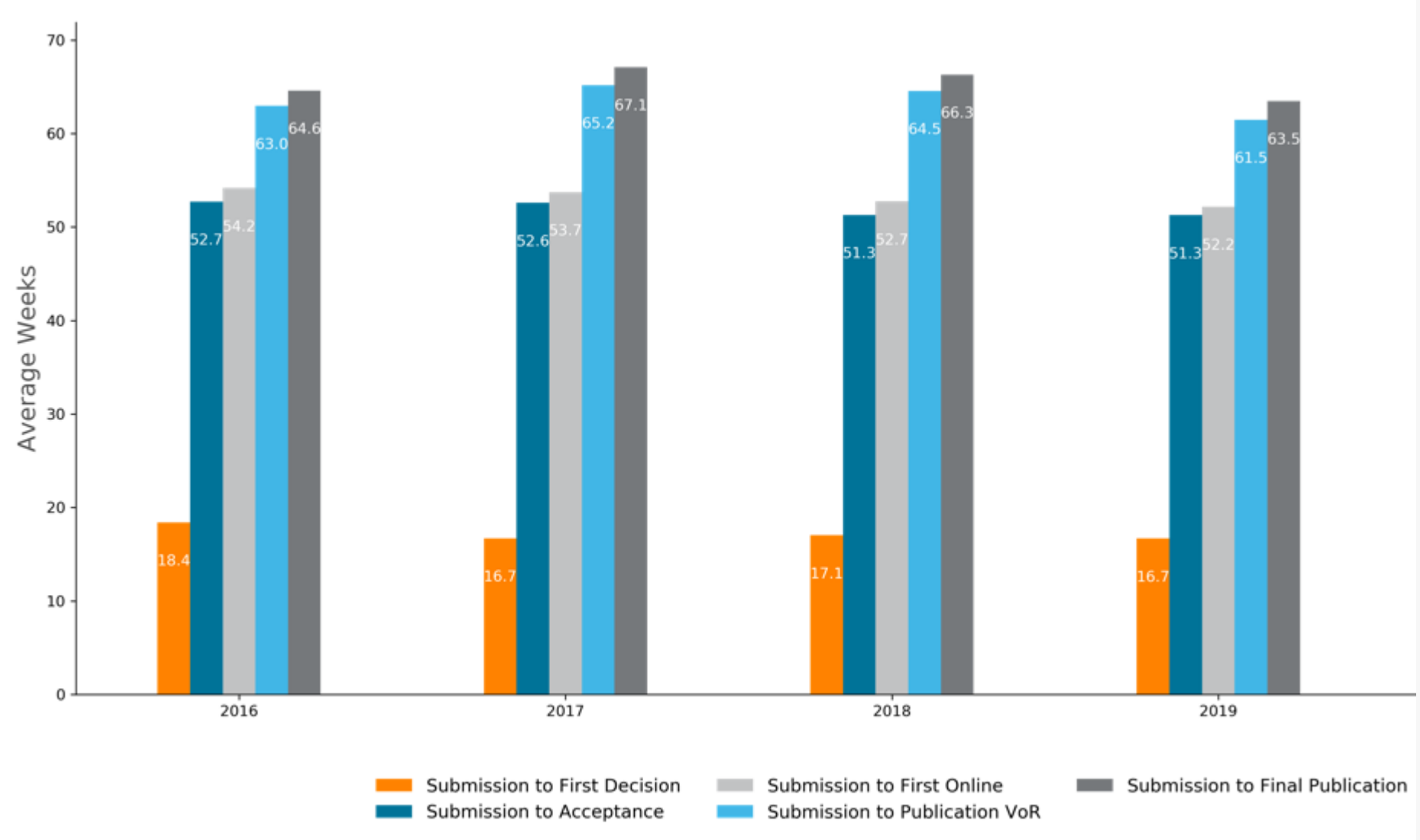
Reviewers awarded in 2020 for their work in 2019:

https://doi.org/10.1016/j.ejor.2020.03.063

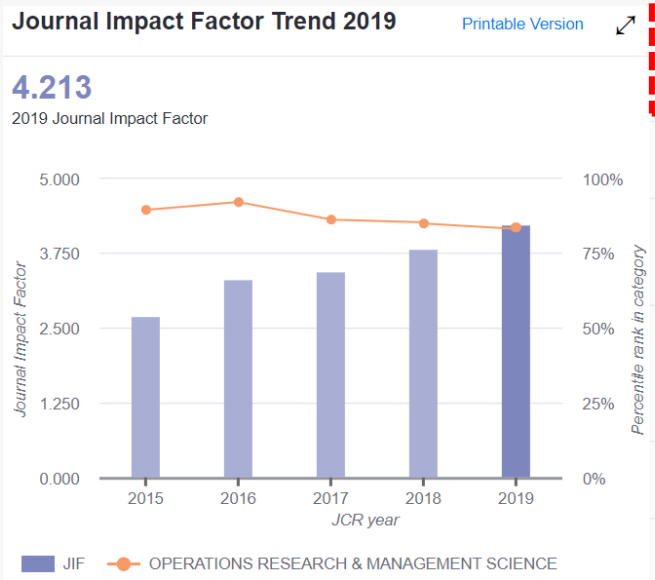
Archetti	Claudia
Balbas	Alejandro
Bianchessi	Nicola
Boysen	Nils
Caramia	Massimiliano
Corrente	Salvatore
Cui	Zhenyu
De Bock	Koen
Demeulemeester	Erik
Dias	Luis
Doumpos	Michalis
Eglese	Richard
Emde	Simon
Figueira	José Rui
Ginsbourger	David
Guidolin	Massimo
Greco	Salvatore
Jaehn	Florian
Jalali	Hamed
Kadziński	Miłosz
Andreas	Klose
Knust	Sigrid
Koulamas	Christos
Kovalyov	Mikhail
Kyparisis	George J.
Kyriakou	Ioannis

Laporte	Gilbert
Lejeune	Miguel
Lu	Xuefei
Maillet	Bertrand
Marazzina	Daniele
Matsui	Kenji
Meisel	Frank
M'Hallah	Rym
Oztekin	Asil
Peccati	Lorenzo
Peng	Rui
Pisinger	David
Recchioni	Maria
Ruiz	Ruben
Schwerdfeger	Stefan
Shabtay	Dvir
Thanassoulis	Emmanuel
Tsionas	Mike
Ulmer	Marlin
Vanhoucke	Mario
Vansteenwegen	Pieter
Wallenius	Jyrki
Xie	Min
Yenipazarli	Arda
Zhu	Joe
Zopounidis	Constantin

Average Editorial Speed for All Submitted Manuscripts



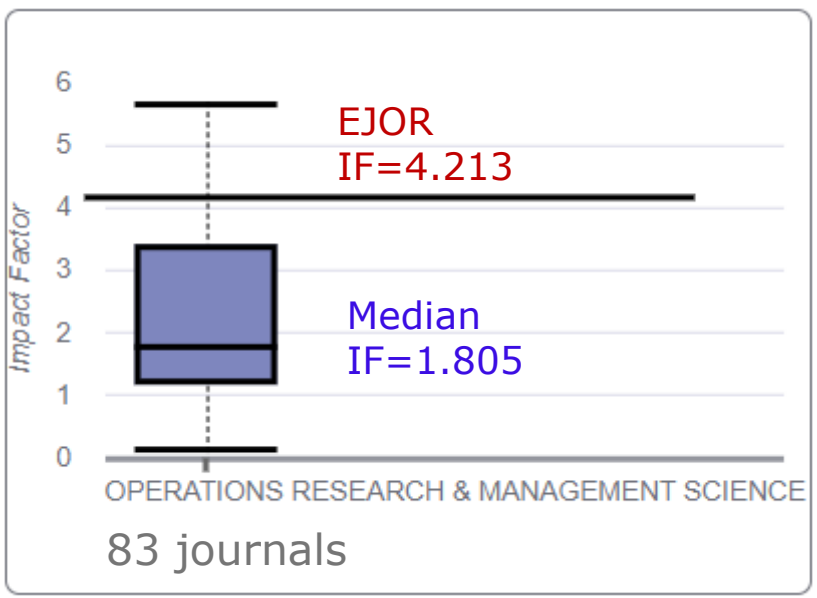
Web of Science JCR 2019



	Full Journal Title	Total Cites	Journal Impact Factor	Eigenfactor Score
1	EUROPEAN JOURNAL OF OPERATIONAL RESEARCH	52,278	4.213	0.05185
2	MANAGEMENT SCIENCE	34,675	3.935	0.04988
3	EXPERT SYSTEMS WITH APPLICATIONS	43,958	5.452	0.03883
4	INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS	23,668	5.134	0.02073
5	MATHEMATICAL PROGRAMMING	10,266	2.823	0.01968
6	INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH	21,149	4.577	0.01748
7	TRANSPORTATION RESEARCH PART B-METHODOLOGICAL	12,945	4.796	0.01735
8	RELIABILITY ENGINEERING & SYSTEM SAFETY	15,379	5.040	0.01657
9	COMPUTERS & OPERATIONS RESEARCH	13,591	3.424	0.01463
10	OPERATIONS RESEARCH	14,097	2.430	0.01410

Ranking of 83 journals in OR & MS category with resect to EFS 2019

Web of Science JCR 2019



In 2019:

Cited half-life = 9.9 years

Article Influence Score (AIS) = 1.214

5-y Impact Factor = 4.729

Self-citation rate with respect to:

incoming cites = 4,015/52,278 = 7.68%

outgoing cites = 4,015/31,279 = 12.83%

Journal Impact Factor Calculation

$$\text{2019 Journal Impact Factor} = \frac{5{,}898}{1{,}400} = 4.213$$

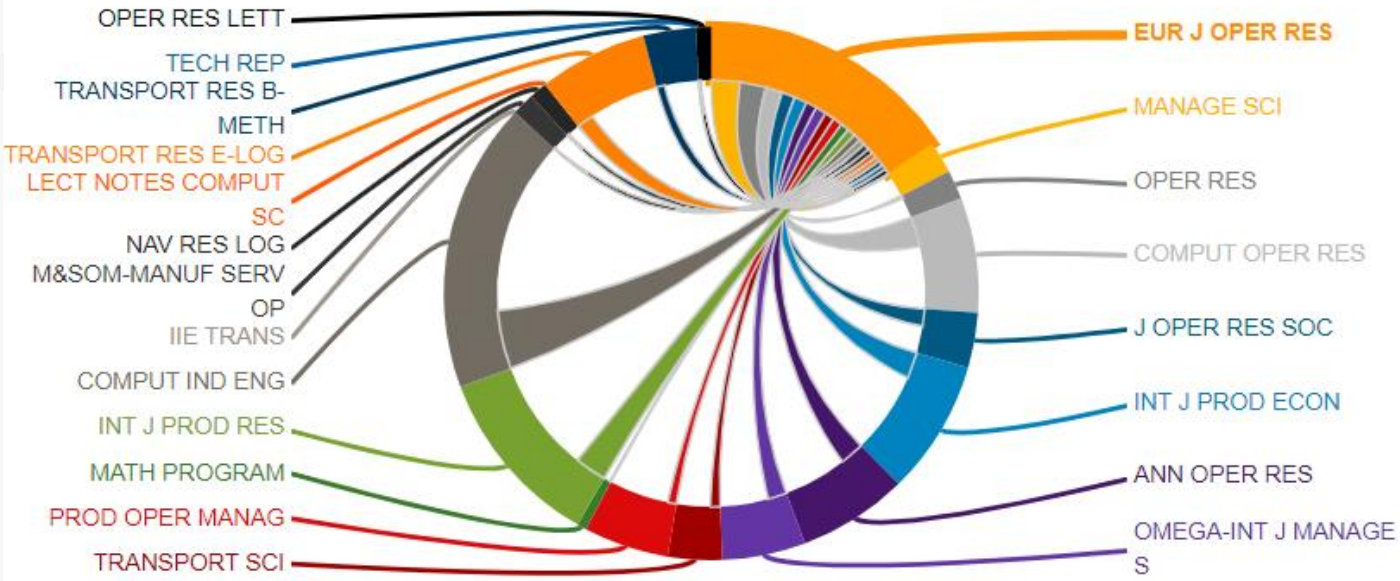
How is Journal Impact Factor Calculated?

$$\text{JIF} = \frac{\text{Citations in 2019 to items published in } \mathbf{2017\ (3{,}447) + 2018\ (2{,}451)}}{\text{Number of citable items in } \mathbf{2017\ (711) + 2018\ (689)}} = \frac{5{,}898}{1{,}400}$$

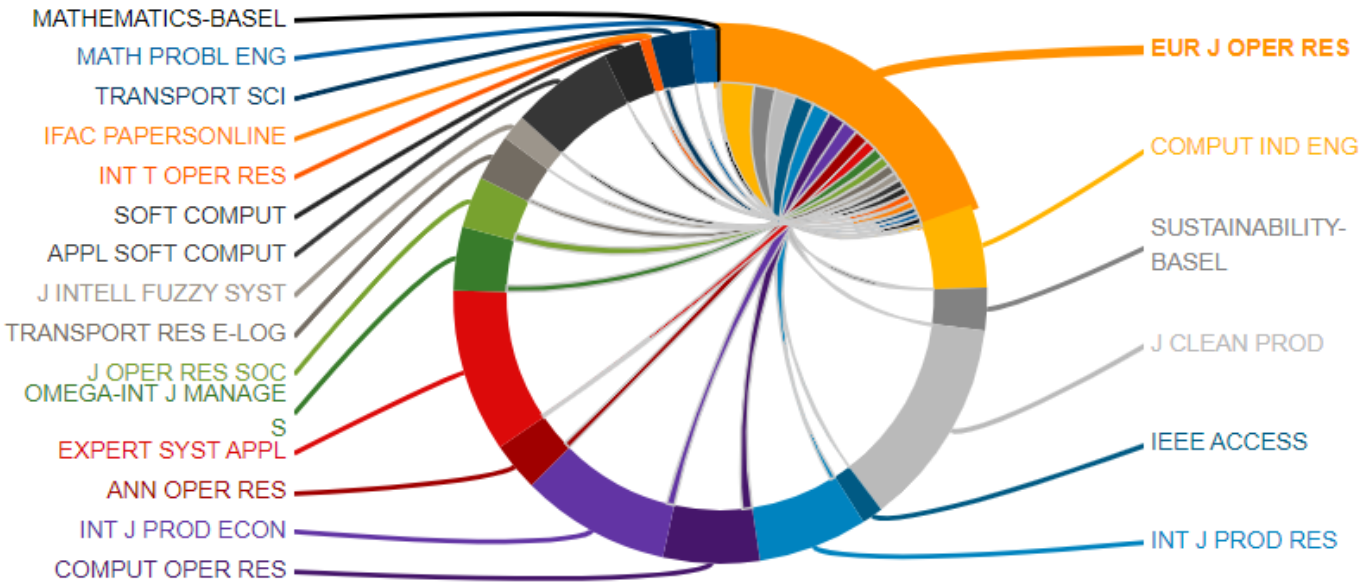
	Full Journal Title	Total Cites	Journal Impact Factor	Eigenfactor Score
1	TECHNOVATION	6,562	5.729	0.00301
2	EXPERT SYSTEMS WITH APPLICATIONS	43,958	5.452	0.03883
3	OMEGA-INTERNATIONAL JOURNAL OF MANAGEMENT SCIENCE	9,564	5.324	0.01004
4	INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS	23,668	5.134	0.02073
5	JOURNAL OF MANUFACTURING SYSTEMS	3,594	5.105	0.00454
6	RELIABILITY ENGINEERING & SYSTEM SAFETY	15,379	5.040	0.01657
7	TRANSPORTATION RESEARCH PART B-METHODOLOGICAL	12,945	4.796	0.01735
8	DECISION SUPPORT SYSTEMS	10,739	4.721	0.00881
9	TRANSPORTATION RESEARCH PART E-LOGISTICS AND TRANSPORTATION REVIEW	7,790	4.690	0.01093
10	JOURNAL OF OPERATIONS MANAGEMENT	10,701	4.673	0.00563
11	INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH	21,149	4.577	0.01748
12	Fuzzy Optimization and Decision Making	1,098	4.319	0.00104
13	M&SOM-Manufacturing & Service Operations Management	3,186	4.281	0.00624
14	EUROPEAN JOURNAL OF OPERATIONAL RESEARCH	52,278	4.213	0.05185
15	SOCIO-ECONOMIC PLANNING SCIENCES	1,634	4.149	0.00139
16	SAFETY SCIENCE	12,630	4.105	0.01268
17	IEEE Systems Journal	5,898	3.987	0.01033
18	MANAGEMENT SCIENCE	34,675	3.935	0.04988
19	Memetic Computing	571	3.860	0.00081
20	PRODUCTION PLANNING & CONTROL	3,508	3.605	0.00296
21	COMPUTERS & OPERATIONS RESEARCH	13,591	3.424	0.01463
22	TRANSPORTATION SCIENCE	6,116	3.384	0.00736
...				
30	OPERATIONS RESEARCH	14,097	2.430	0.01410

Ranking of 83 journals in OR & MS category with resect to IF 2019

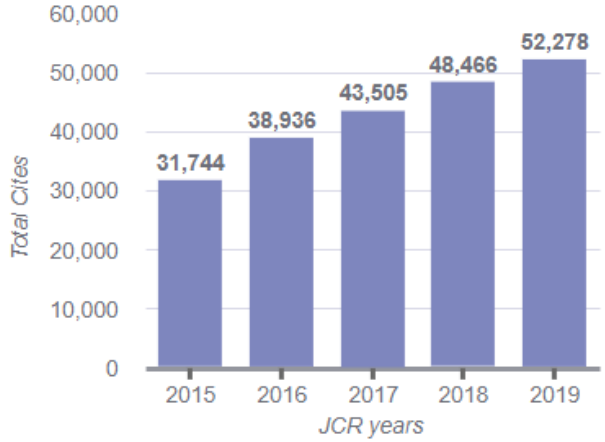
Incoming cites

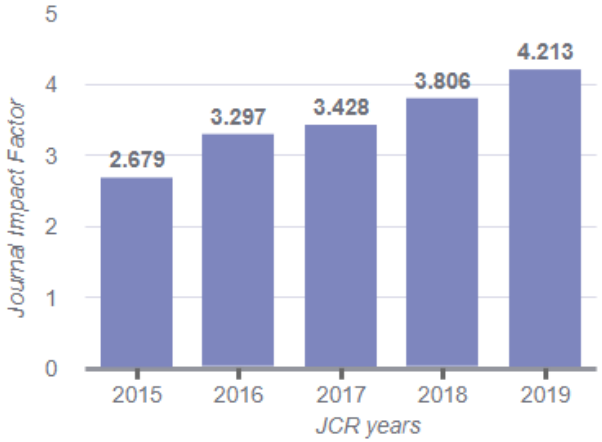


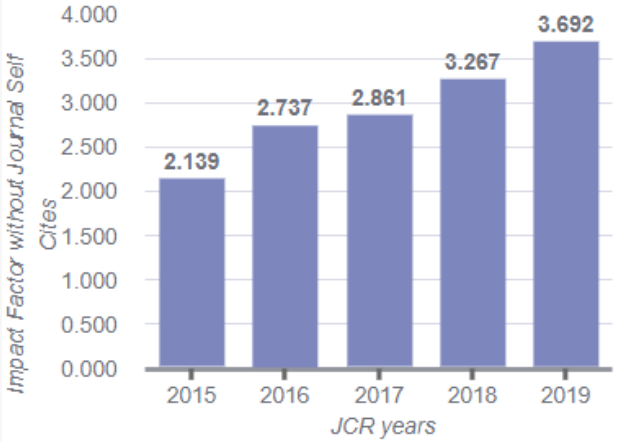
Outgoing cites

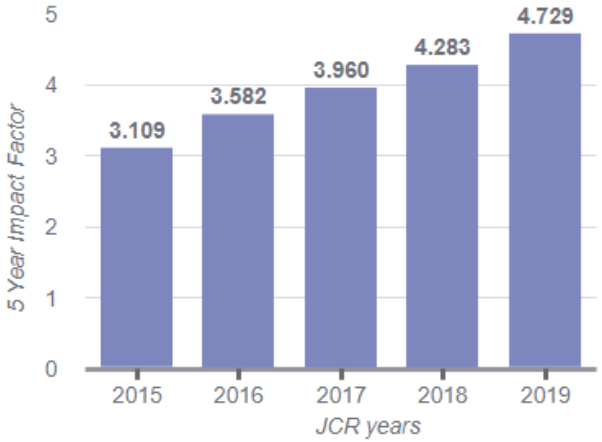


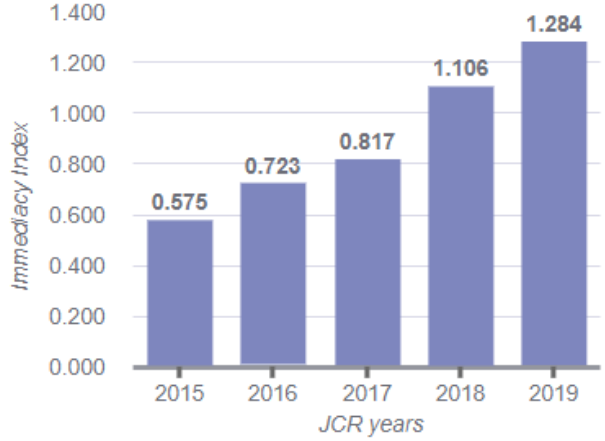
Metric trends

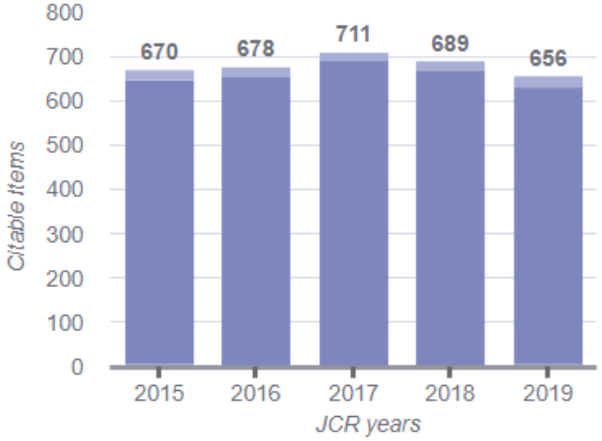




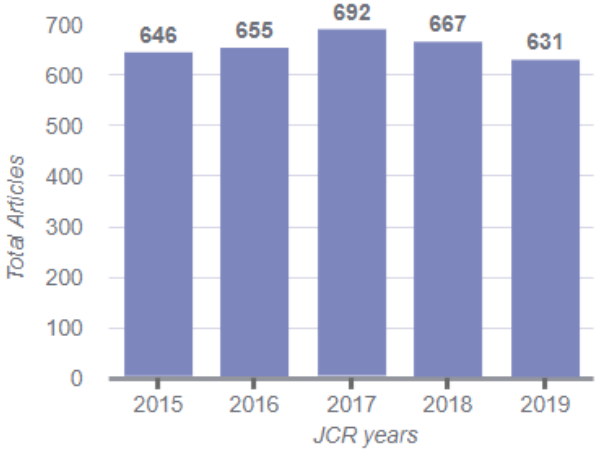


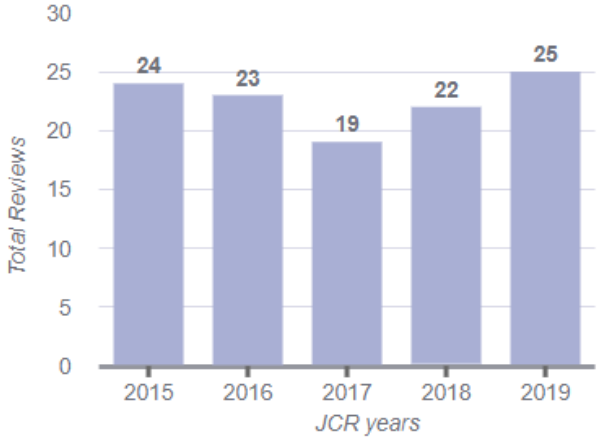


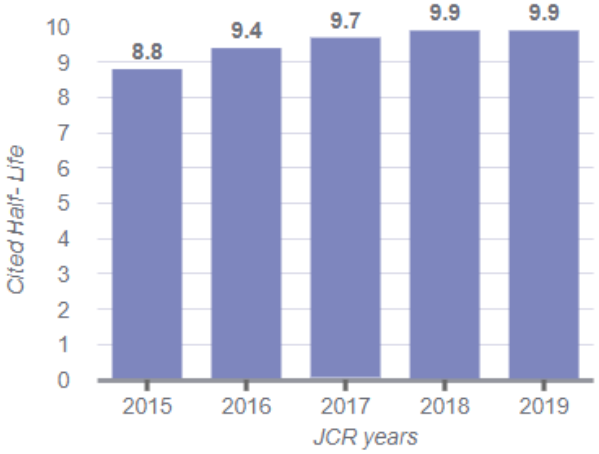


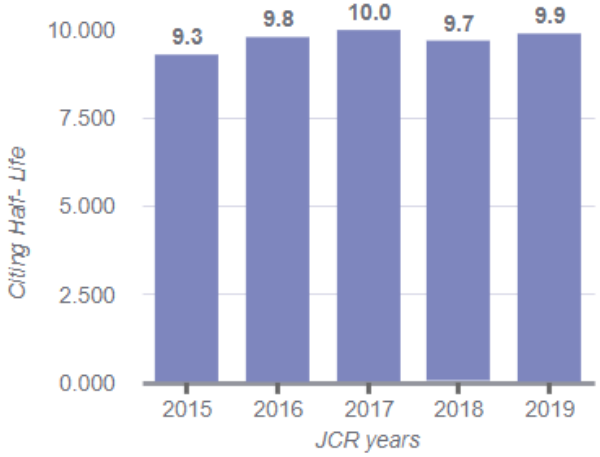


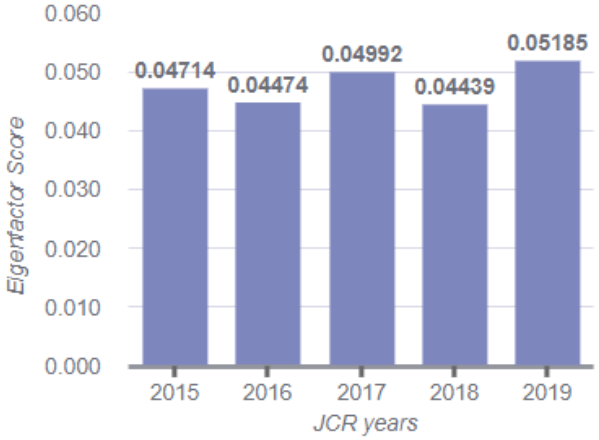
Metric trends

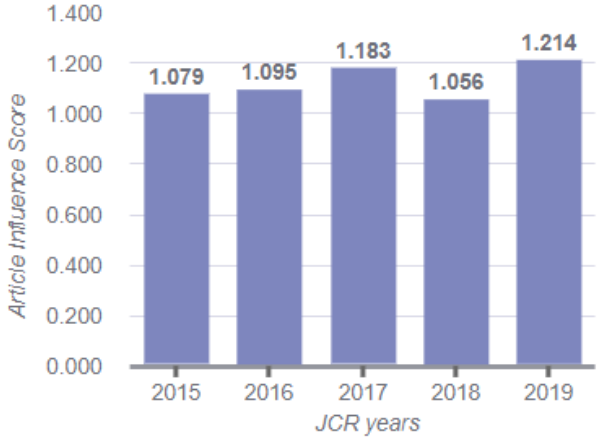












European Journal of Operational Research

Scopus coverage years: from 1977 to Present

Publisher: Elsevier

ISSN: 0377-2217

Subject area: Mathematics: Modeling and Simulation | Decision Sciences: Management Science and Operations Research | Computer Science: General Computer Science | Decision Sciences: Information Systems and Management

SCOPUS 2019

CiteScore 2019
8.5

SJR 2019
2.364

SNIP 2019
2.875

CiteScore 2019

$$8.5 = \frac{\text{23 440 Citations 2016 - 2019}}{\text{2744 Documents 2016 - 2019}}$$

Calculated on 06 May, 2020

CiteScoreTracker 2020

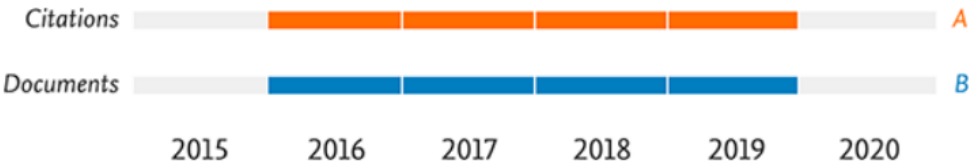
$$7.1 = \frac{\text{18 102 Citations to date}}{\text{2560 Documents to date}}$$

Last updated on 10 June, 2020 • Updated monthly

CiteScore rank 2019

Category	Rank	Percentile
Mathematics — Modeling and Simulation	#8/274	97th
Decision Sciences — Management Science and Operations Research	#7/161	95th
Computer Science — General Computer Science	#11/221	95th

The new CiteScore formula:



$$\text{CiteScore 2019} = \frac{A}{B}$$

Numerator | Citations to articles, reviews, conference papers, book chapters and data papers published in 2016-2019

Denominator | Articles, reviews, conference papers, book chapters and data papers published in 2016-2019

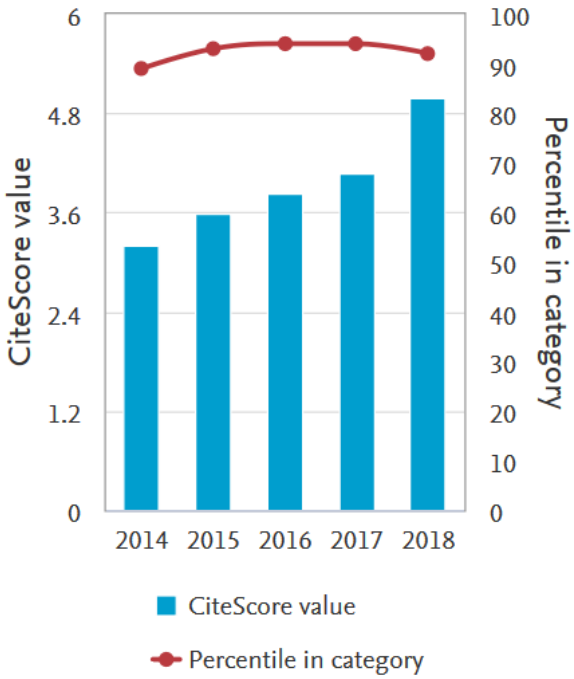
CiteScore rank 2018

In category: Management Science and Ope...

#11 / 148	European Journal of Operational Research	4.98	92nd percentile

Rank	Source title	CiteScore 2018	Percentile
#1	Journal of Operations Management	9.87	99th percentile
#2	Omega	7.54	98th percentile
#3	International Journal of Production Economics	7.13	98th percentile
#4	Research Policy	6.56	97th percentile
#5	Egyptian Informatics Journal	5.54	96th percentile
#6	Information Processing and Management	5.51	96th percentile
#7	Operations Research Perspectives	5.24	95th percentile
#8	Operations Management Research	5.18	94th percentile
#9	Management Science	5.08	94th percentile
#10	Journal of Management Information Systems	5.04	93rd percentile
#11	European Journal of Operational Research	4.98	92nd percentile

CiteScore trend



Journal ranking by H-index – Google Scholar 2019

Categories > Engineering & Computer Science > **Operations Research**

https://scholar.google.com.au/citations?view_op=top_venues&hl=en&vq=eng_operationsresearch

	Publication	h5-index	h5-median
1.	European Journal of Operational Research	92	133
2.	International Journal of Production Economics	89	126
3.	International Journal of Production Research	63	90
4.	Computers & Operations Research	62	80
5.	Computers & Industrial Engineering	58	77
6.	Mathematical Programming	56	90
7.	Transportation Research Part E: Logistics and Transportation Review	53	72
8.	Journal of Operations Management	51	93
9.	International Journal of Operations & Production Management	48	70
10.	Operations Research	48	68
11.	Production and Operations Management	48	68
12.	Supply Chain Management: An International Journal	46	77
13.	Annals of Operations Research	46	68
14.	Production Planning & Control	41	56
15.	Transportation Science	39	56

Journal ranking by Association of Business Schools in UK

ABS the ASSOCIATION of BUSINESS SCHOOLS

2018

OPERATIONS RESEARCH AND MANAGEMENT SCIENCE

ISSN	Journal	Subject area [Range highest to lowest]	Ejis 2007 4-1	EjisCl 2007 4-1	Wie 2008 A+-A	UQ 2011 1-4	Vhb 2015 A+-D	Abdc 2016 A*-C	EJL 2016 P*-S	Fnege 2016 1*-4	Cnrs 2017 1*-4	Den 2017 2 1	ABS 2018 4*-1	Hceres 2018 A-C
0025-1909	Management Science *	OR,MS,POM	4	4	A+	1	A+	A*	P*	1*	1*	2	4*	A
0030-364X	Operations Research *	OR,MS,POM	4	4	A+	1	A+	A	P*	1	1	2	4*	A
0377-2217	European Journal of Operational Research	OR,MS,POM	3	3	A		A	A*	P	1	1	1	4	A
0305-0483	OMEGA - International Journal of Management Science	OR,MS,POM	2	2	A	2	B	A*	P		2	2	3	A
0011-7315	Decision Sciences	OR,MS,POM	3	3	A	1	B	A*	P		2	2	3	A

JOURNAL QUALITY LIST

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