

Conference proceedings



RGNF

“Mathematical methods and terminology in geology 2020”

3rd Croatian scientific congress about geomathematics and terminology in geology

Matematičke metode i nazivlje u geologiji 2020

III. hrvatski znanstveni skup iz geomatematike i nazivlja u
geologiji
održan na Rudarsko-geološko-naftnom fakultetu
Sveučilišta u Zagrebu

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Hrvatskoga geološkog društva

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10th October 2020

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University of Zagreb



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of the
Croatian Geological Society

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SADRŽAJ / CONTENT

PREDGOVOR / FOREWORD	II
J. Sremac; J. Velić; M. Bošnjak; I. Velić; T. Malvić; D. Fotović; R. Drempetić: Modal composition and morphometric characteristics of gravels in exploration field “Abesinija” (Otok Svibovski; SE from Zagreb, Croatia)	1-21
J. Ivšinović: Calculation of risk-neutral value for future exploration in the western part of the Sava Depression	23-28
K. Novak Zelenika; A. Majstorović Bušić : Geological model of the A field in the Sava Depression	29-36
M. Bošnjak; N. Prlj Šimić; J. Sremac: Biometric analysis of the Eocene Lucinidae shells from Croatia	37-48
J. Sremac; F. Huić; M. Bošnjak; R. Drempetić: Morphometric characteristics and origin of Paleogene macroids from beach gravels in Stanići (vicinity of Omiš, Southern Croatia)	49-61
D. Vrsaljko; M. Bošnjak; A. Jarić; J. Sremac; T. Malvić: Neogene deposits of the western slopes of the Psunj Mt., Croatia: an overview of historical background and actualisation of geological research	63-76
S. Bačeković; D. Rukavina; Z. Kovač: Trends of the hydrometeorological variables in the wider area of the Zagreb aquifer	77-97
J. Sremac; T. Clare; G. Wilson: Scientometric Analysis of Journal of Marine Sciences and Engineering (JMSE) Regular and Special Issues – Opportunity for Publishing Quality Results in a Highly Visible Journal	99-104

Scientometric Analysis of Journal of Marine Sciences and Engineering (JMSE) Regular and Special Issues – Opportunity for Publishing Quality Results in a Highly Visible Journal

Mathematical methods and terminology in geology 2020
(*Matematičke metode i nazivlje u geologiji 2020*)

Preliminary communication



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Abstract: A *Journal of Marine Science and Engineering* is a widely recognized magazine, published monthly online by MDPI, as an open access and internationally peer-reviewed journal. Its high visibility and rapid publishing, together with well-recognized reviewers make it an interesting choice for a variety of natural scientists, including geologists. Journal statistics and its rapidly increasing rating are the topic of this study.

Keywords: JMSE journal; MDPI; open access; peer-review; statistics

1. Introduction

A *Journal of Marine Science and Engineering* (ISSN 2077-1312), published by a Swiss publisher MDPI, is an international, peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. It publishes reviews, research papers and communications. The journal aims to encourage scientists to publish the results of scholarly research on ocean and coastal engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences ([URL 1](#)).

Journal was launched in 2013, following the vision of Professor Tony Clare (**Figure 1**), who, since then, acts as its Editor-in-chief. It was initially published as a quarterly journal. With widening of journal topics, since the year 2015, sections were established, with *Section Editors-in-Chief* as follows: Prof. Dr. Dong-Sheng Jeng for "Section Ocean Engineering"; Prof. Dr. Boris Peter Koch for "Section Chemical Oceanography"; Prof. Dr. Charitha Pattiaratchi for "Section Physical Oceanography" and Prof. Dr. Magnus Wahlberg for "Section Marine Biology". Since 2018, two new sections were established, with two new *Section Editors-in-Chief*: Prof. Dr. Gary Wilson for "Section Geological Oceanography" and Prof. Dr. Roshanka Ranasinghe for "Section Coastal Engineering" ([URL 2](#)). Alltogether eight volumes were published, followed by a variety of additional Special Issues ([URL 3](#)). For each Special Issue, a Guest Editor is engaged.



Figure 1: Journal founder and Editor-in Chief, Prof. Dr. Tony Clare

Journal policy includes no restriction on the length of the papers, but the full experimental details must be provided so that the results can be reproduced. Electronic files and software regarding the full details of the calculation or experimental procedure, can be a part of the article, or can be deposited as supplementary electronic material.

Rapid publication (average: 33 days), with acceptance note within 3,5 days, are additional author benefits.

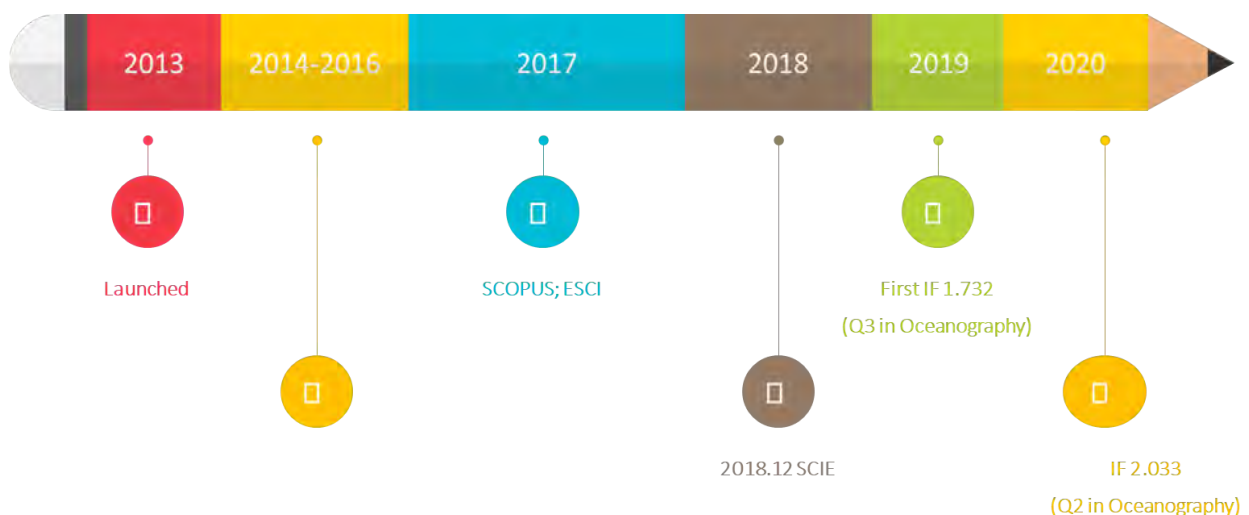


Figure 2: *Journal of Marine Science and Engineering* history (Publisher: Terry; AP: Natalie and Dalia)

Journal is indexed in the following bases: CAB Abstracts, Current Contents, Directory of Open Access Journals, Genamics Journal Seek, GeoRef, Inspec, Journal Citation Reports / Science Edition, Norwegian Register for Scientific Journals, Series and Publishers, Review of Agricultural Entomology, Science Citation Index Expanded, Scopus and Web of Science (Clarivate Analytics) ([URL 4](#)). History of indexing and some important citing scores are presented on **Figure 2**.

Publishers pay a lot of attention to promotion and availability of the Journal information, through a user-friendly web-site and journal/Special Issue flyers (**Figure 3**).

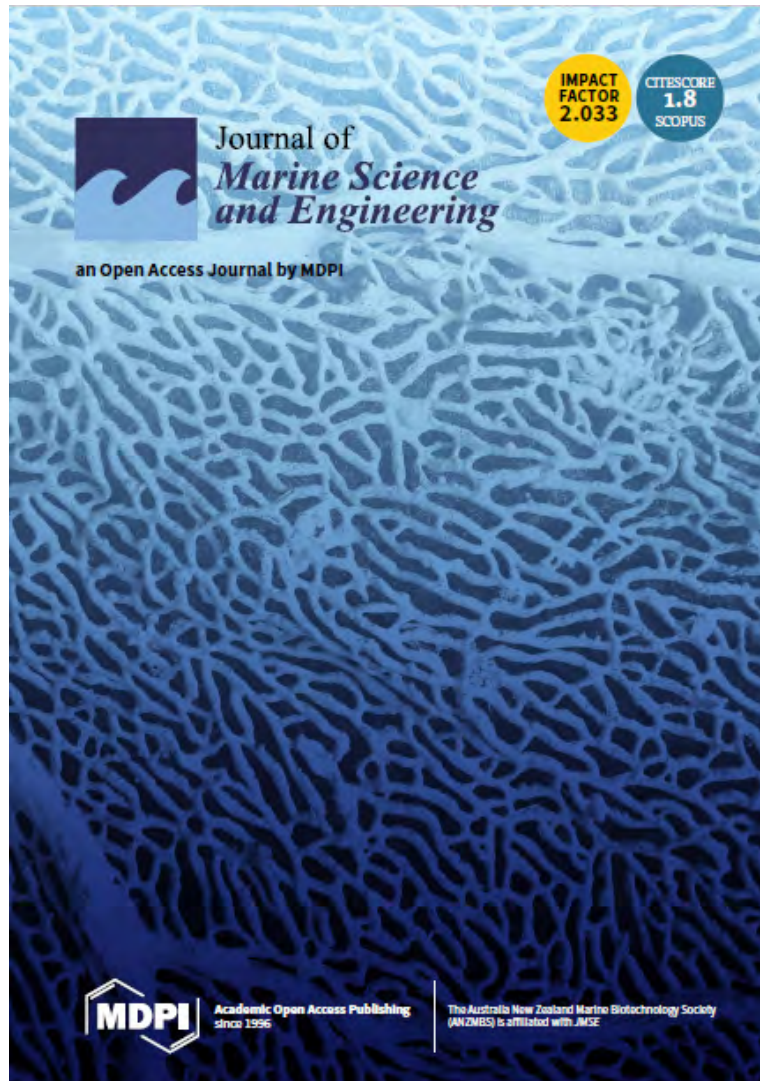


Figure 3: Front page of the official journal flyer (URL1, September 2020)

2. Journal Statistical Analysis, Methods and Results

Simple statistical methods were applied, taking into consideration total number of publications, sum of times cited (with and without self-citations), number of citing articles, h-index and average number of citations per item.

2.1. Journal Analytics

Journal analytics (URL 5) is based upon the studied 1,467 publications, presenting the abruptly increasing trends (Figure 4). Number is still increasing, and, in the moment of finishing this study, it was 1,639 articles published so far (URL 5). High visibility and accurate publishing of the relevant data lead to the large number of citations (3,335), which counts 2.27 per item for the moment (Figure 4). Ninety-six articles have been cited 10 times or more, and h-10 index is 18 (Figure 4) with Impact factor is 2,033 (WoS). Regarding Scopus Citecore is 1.8, h-index 17 and SJR 0.533 (2019; Figures 5 and 6).

Sremac, J.; Clare, T.; Wilson, G.

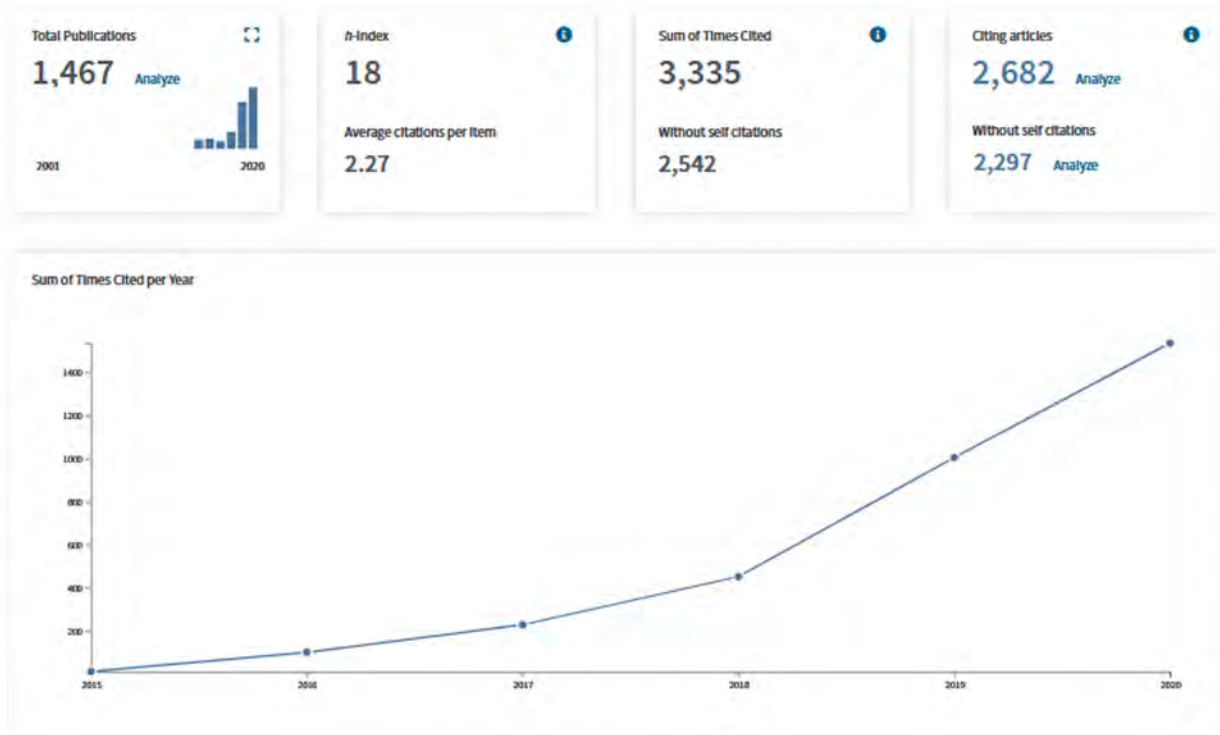


Figure 4: Journal analytics (URL 5, September 2020)

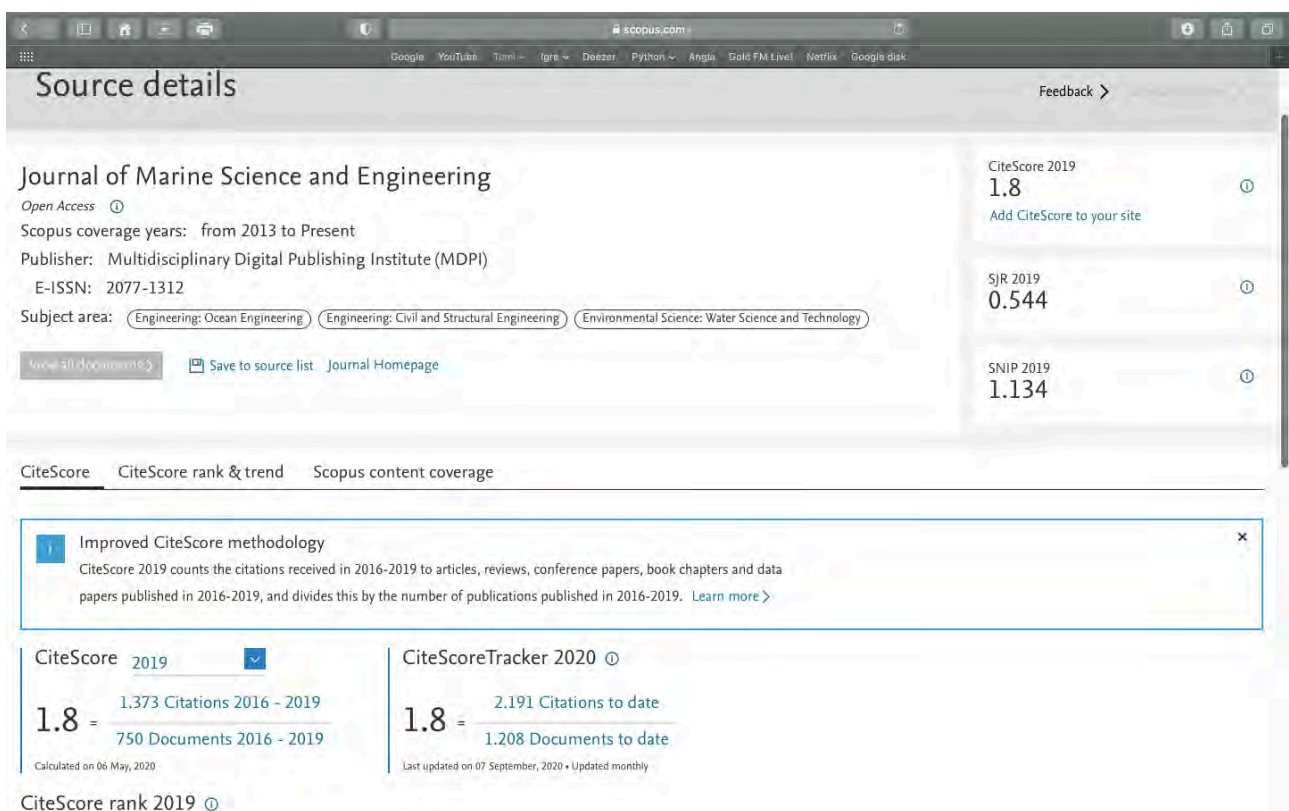


Figure 5: CiteScore values and trends (URL 6)

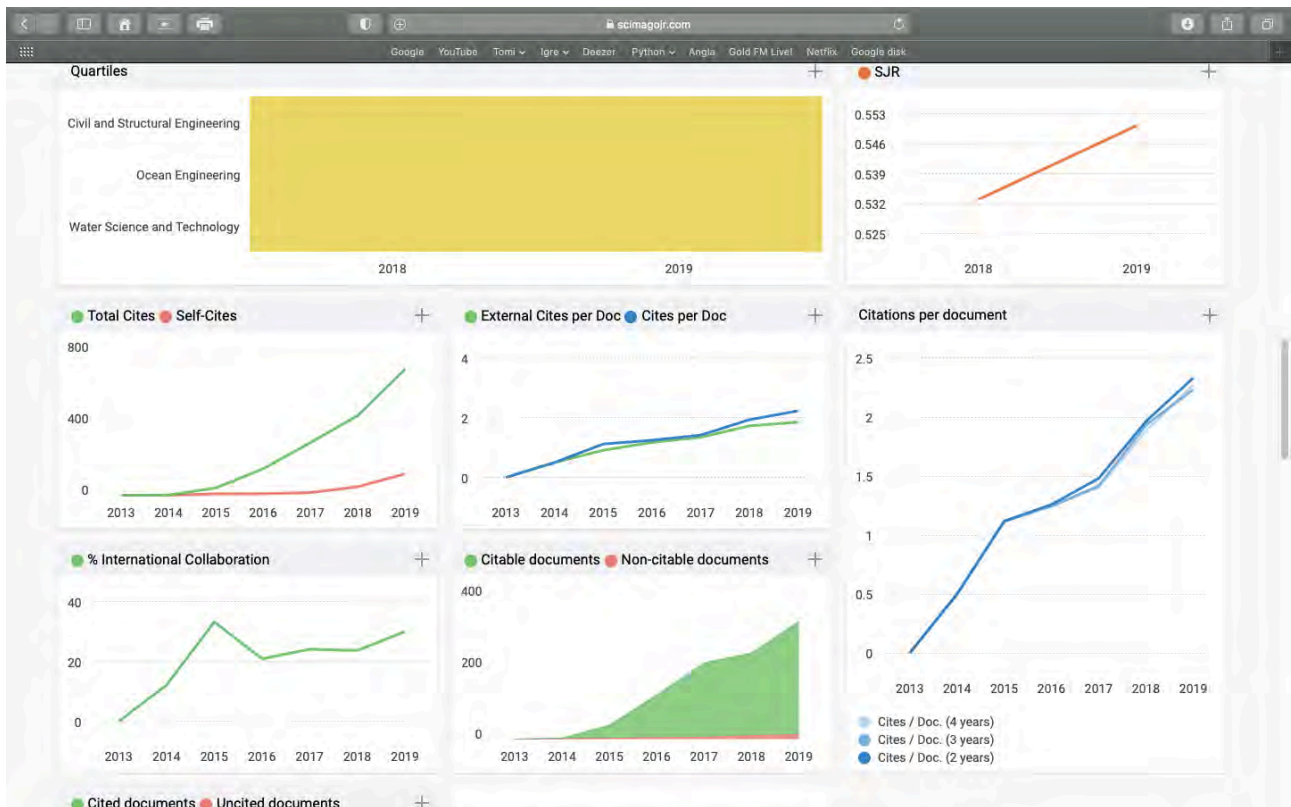


Figure 6: SJR values and trends (URL 7)

Review process and firm and consequently rejection rate is high. In 2019 that value is 50 % (Figure 7).

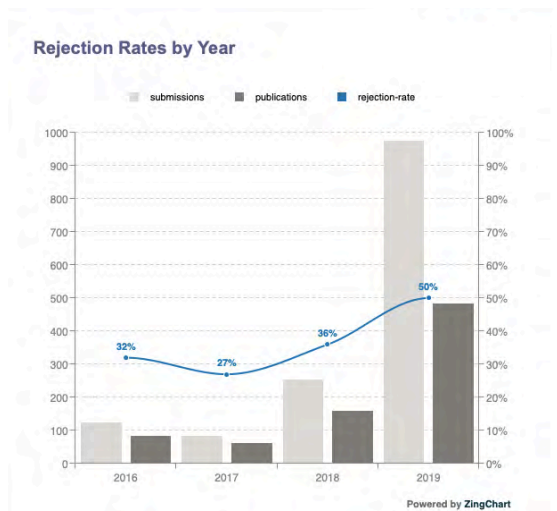


Figure 7: Rejection rate in the Journal of Marine Science and Engineering (URL 5, September 2020)

2.2. Special Issue Paleoworld and Microbody Paleontological System Evolution

This Special Issue belongs to the Section Geological Oceanography. It is dedicated to an interesting and highly specialized paleontological research field: microbody evolution. The proposed topic has been present in biological studies for less than seventy years, and more recently known from the palaeontological research. Such challenging research themes open new possibilities in paleontological studies and provide us with more colorful and realistic insights into the history of life (URL 8).

Sremac, J.; Clare, T.; Wilson, G.

The scope of this Special Issue is to encourage researchers to present their state-of-the-art microbody studies. Such efforts also help scientists to establish new contacts, collaborations, and networks and encourage young naturalists to explore new approaches to the study of fascinating Earth history.

Guest Editor of this issue is Prof. Dr. Jasenka Sremac, from the University of Zagreb. Submissions are welcome, by the 30 November 2020

3. Discussion and Conclusion

Scientific community today is highly sensible to the visibility of research results. Particularly in Natural and Technical Sciences, publishing dynamics, number of citations and Journal ranking can be of vital importance for scientists of all generations. JMSE is one of such journals, which can be a good choice in biology, chemistry and some branches of geology. Other journals from the same MDPI publisher have a very similar publishing policy, and deserve attention also from the Croatian geologists.

4. References

Internet sources:

URL 1: <https://www.mdpi.com/journal/jmse>

URL 2: <https://www.mdpi.com/journal/jmse/history>

URL 3: https://www.mdpi.com/journal/jmse/special_issues

URL 4: <https://www.mdpi.com/journal/jmse/indexing>

URL 5: <https://www.mdpi.com/journal/jmse/stats>

URL 6: <https://www.scopus.com/sourceid/21100830140>

URL 7: <https://www.scimagojr.com/journalsearch.php?q=21100830140&tip=sid&clean=0>

URL 8: https://www.mdpi.com/journal/jmse/special_issues/Jasenka_Paleoworld_Microbody_Paleontological_System_Evolution

SAŽETAK (prošireni)

Scientometrijska analiza časopisa *Journal of Marine Sciences and Engineering (JMSE)* i njegovih posebnih izdanja – prigoda za objavljivanje kvalitetnih rezultata u časopisu visoke vidljivosti

Časopis *Journal of Marine Science and Engineering* (ISSN 2077-1312), švicarskog izdavača MDPI, je međunarodni, časopis otvorenog pristupa, koji objavljuje radove iz znanosti o moru i inženjerstva. Od osnivanja, godine 2013., objavljeno je osam svezaka, s više od 1500 radova, koji redovito postižu visoku citiranost, koja prosječno iznosi 2,25 citata po radu. U prošloj, 2019. godini, impact factor časopisa bio je 2,033 te se ubraja u časopise druge kvartile (Q2). Među brojnim Posebnim izdanjima u tijeku je prikupljanje radova za naslov: *Paleoworld and Microbody Paleontological System Evolution*, čija je pridružena urednica prof.dr.sc. Jasenka Sremac. Ovaj i drugi specijalizirani časopisi izdavača MDPI svakako su jedan od dobrih izbora i za naše geologe, zbog kvalitetnih i brzih recenzija, visokog rangiranja i dinamike izlaženja.

Ključne riječi: časopis JMSE, MDPI, otvoreni pristup, recenzija, statistika

Author's contribution: **Jasenka Sremac** (1) (Dr, Full Professor, geology, palaeontology, palaeoenvironment) provided the conception and presentation of the results. **Tony Clare** (2) (Dr, Professor, marine chemical ecology) provided the general and historical data. **Gary Wilson** (3) (Dr, Professor, marine geology, palaeoclimatology, geophysics), took care of the data on the Section of Geological Oceanography.