

## OPEN ACCESS IN A NUTSHELL

Introduction to the principles of open access to scientific publications

Open Access Week 2020 22.10.2020, 14:00 – 15:30 openscience@cuni.cz openscience.cuni.cz/en

Open Science Support Centre, CU

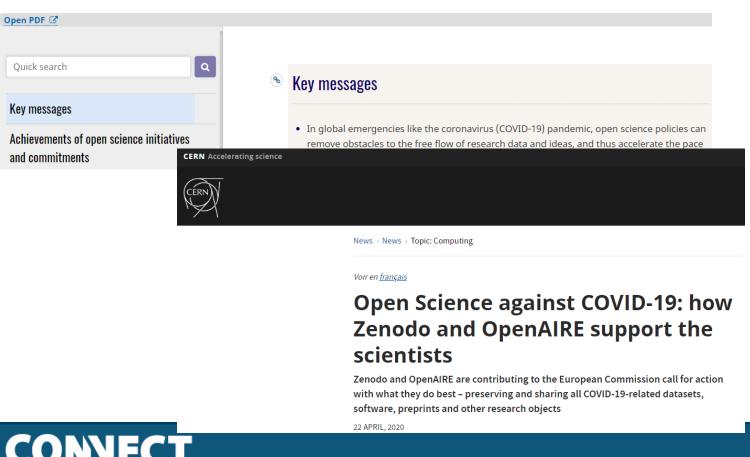


## Open science

- aims at:
  - More effective use of research findings and outputs
  - Improving reproduction and reusability of research. In doing so, reducing the collection of duplicate data and/or materials.
  - Better accessibility to research outputs and scientific information
- promotes:
  - Accurate verification of scientific results
  - Open access to scientific publications
  - Open access to research data
- ...and many more



#### Why open science is critical to combatting COVID-19



TECHNOLOGY FEATURE · 24 APRIL 2020

#### Open science takes on the coronavirus pandemic

Data sharing, open-source designs for medical equipment, and hobbyists are all being harnessed to combat COVID-19.



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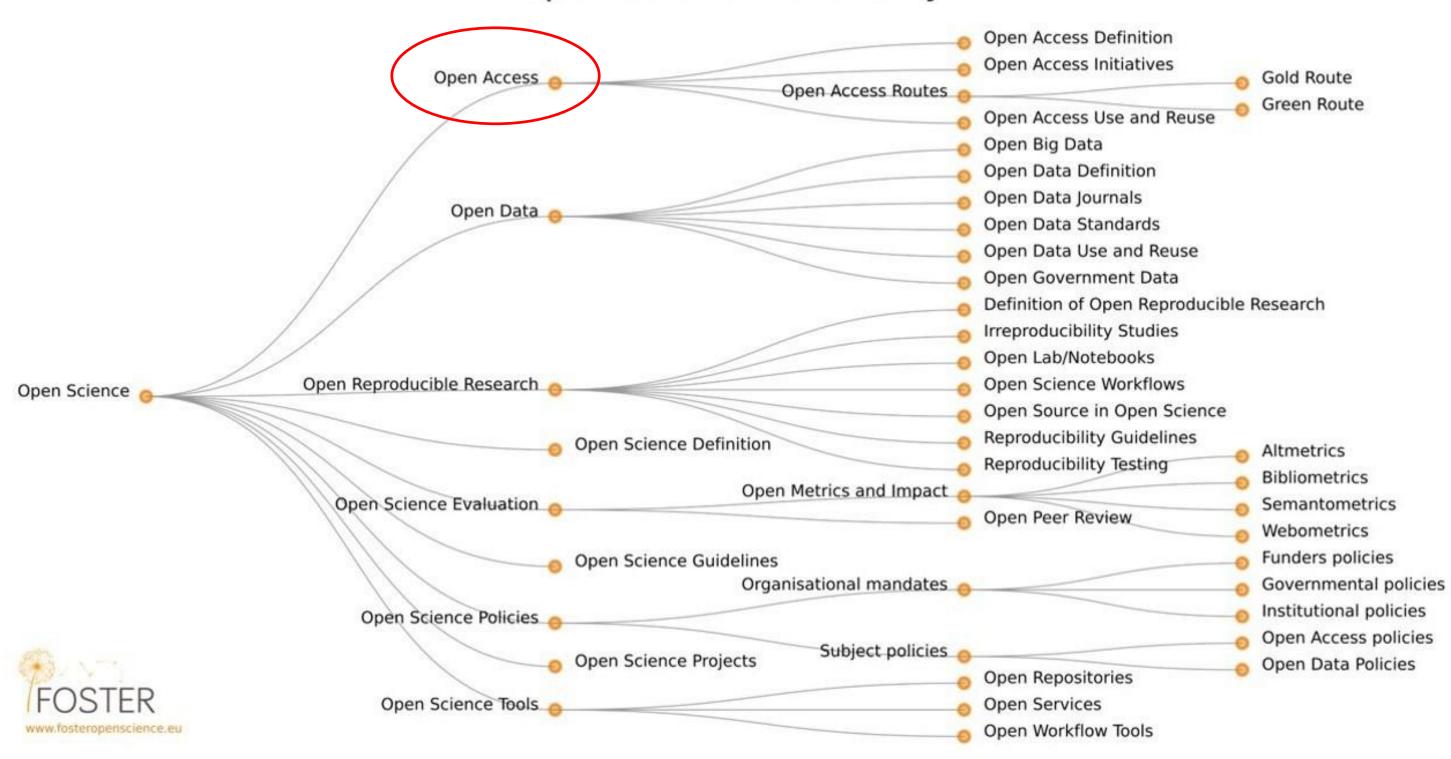
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#### How Open Science and Open Data can help in the fight against COVID-19

With the global Novel Coronavirus pandemic filling headlines, TV news space and social media it can seem as if we are drowning in information and data about the virus. With so much data being pushed at us and shared it can be hard for the general public to know what is correct, what is useful and (unfortunately) what is dangerous.

Thankfully though, scientists around the world working on COVID-19 are able to work together, share data and findings and hopefully make a difference to the containment, treatment and

#### Open Science Taxonomy



# Open access stands for immediate, permanent, free and independent access to scientific information for everyone.

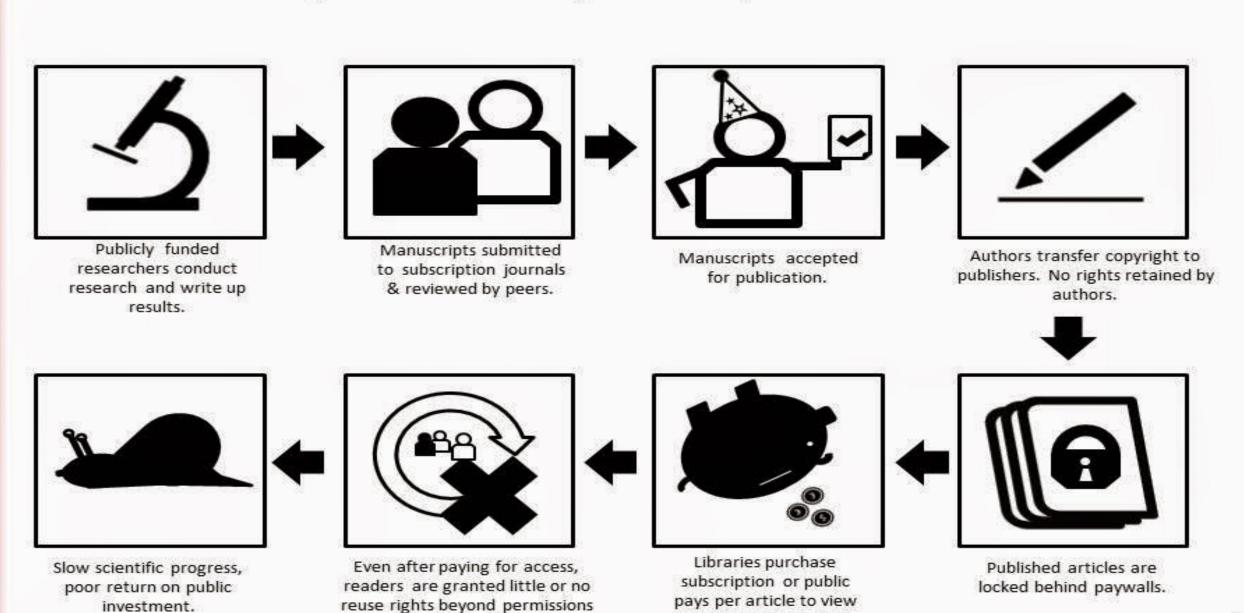


## Why do we need a new publishing model to adhere to open science principles?

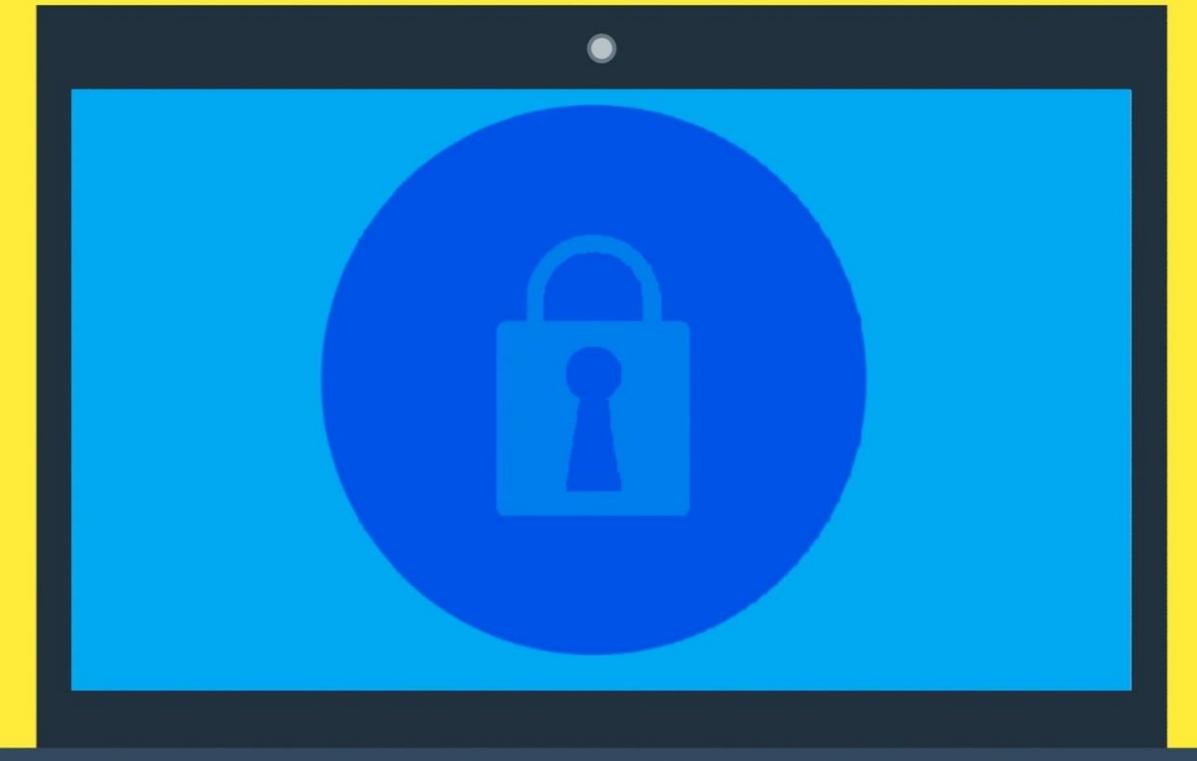
#### TRADITIONAL SUBSCRIPTION PUBLISHING

to read.

limited dissemination, economic efficiency & social impact



on publisher's website.

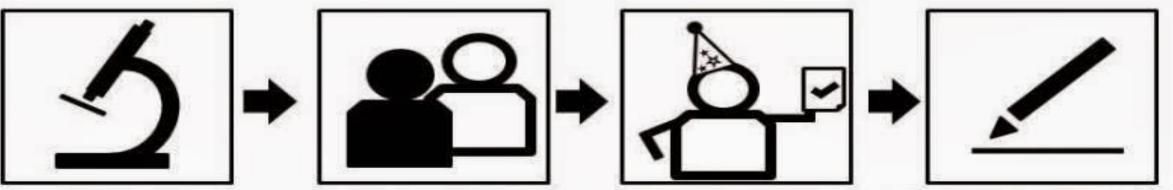


## There are two basic OA models:

- → Green open access (self-archiving) combines publishing in journals with self-archiving of author manuscripts in open repositories.
- → **Gold open access** (open access journals) offers new or transformed publishing platforms that make publications available openly by default.

#### **GREEN OPEN ACCESS**

increased dissemination, economic efficiency & social impact



Publicly funded researchers conduct research and write up results.

return on public

investment.

Manuscripts submitted to subscription journals & reviewed by peers.

open access copies from

repositories.

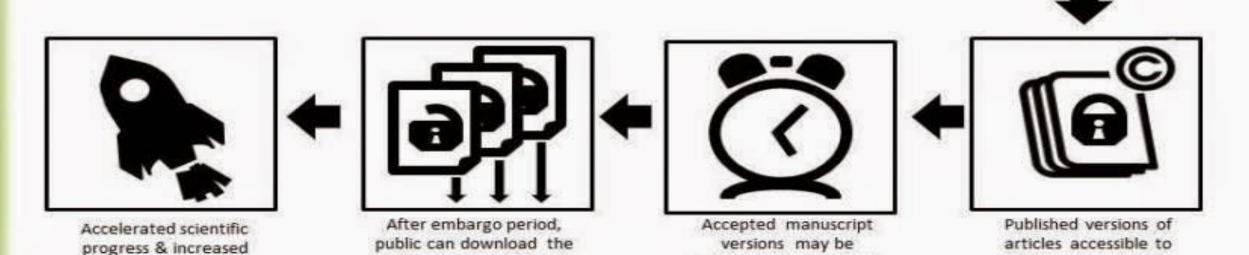
Manuscripts accepted for publication.

embargoed temporarily.

Authors assign copyright to publishers, but retain the right to disseminate an OA copy (of the accepted manuscript) via open access repositories.

journal subscribers

immediately.



## Green OA: what to bear in mind

- Self-archiving must be in compliance with the License
   Agreement of the publisher (also referred to as Copyright
   Transfer Agreement). It can define:
  - Version of the article to be self-archived (preprint, postprint, Publisher version)
  - Time embargo (when it is allowed to self-archive the article)
  - Repository type (institutional, disciplinary, multidisciplinary)

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#### Welcome to Sherpa Romeo

Sherpa Romeo is an online resource that aggregates and analyses publisher open access policies from around the world and provides summaries of publisher copyright and open access archiving policies on a journal-by-journal basis.

Enter a journal title or issn, or a publisher name below:

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#### Directory of Open Access Repositories

OpenDOAR is a global directory of Open Access repositories and their policies.

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OpenDOAR is the quality-assured global directory of academic open access repositories. It enables the identification, browsing and search for repositories, based on a range of features, such as location, software or type of material held. **Read more...** 

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Helping authors and institutions make informed and confident decisions in open access publication and compliance. GUIDE

## Managing open access costs

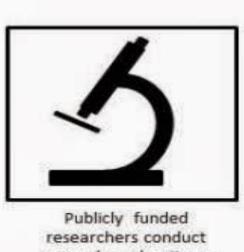
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#### **GOLD OPEN ACCESS**

maximised dissemination, economic efficiency & social impact



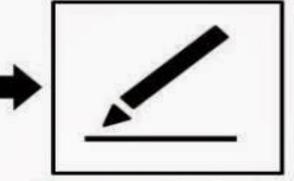
research and write up results.



Manuscripts submitted to Open Access journals & reviewed by peers.

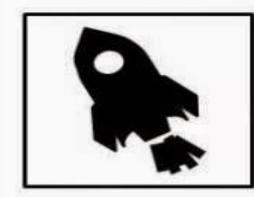


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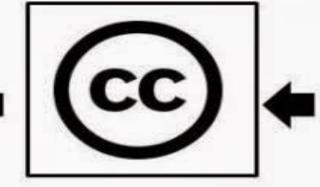


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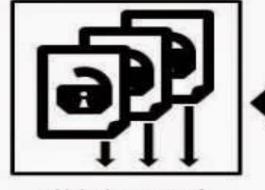




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Authors may be required to pay publisher an 'article processing charge' to cover publishing costs.



## Gold OA: what to bear in mind

- There are three basic business models of open access journals:
  - Pure/diamond OA journal (no charge)
  - Paid open access journals (article processing charge, APC)
  - Hybrid journals (article processing charge optional)
- Quality open access journals are peer-reviewed and are often impacted according to JCR

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#### DOAJ (Directory of Open Access Journals)

DOAJ is a community-curated online directory that indexes and provides access to high quality, open access, peer-reviewed journals. DOAJ is independent. All funding is via donations, 40% of which comes from sponsors and 60% from members and publisher members. All DOAJ services are free of charge including being indexed in DOAJ. All data is freely available.

DOAJ operates an education and outreach program across the globe, focussing on improving the quality of applications submitted.

Why index your journal in DOAJ?

#### Latest News

Two updates: ORCID integration; updated ISO code lists for country, language and currency

On Monday 3rd February we will release two updates to the site. ORCID integration From Monday, it will be possible to upload to DOAJ article metadata containing ORCIDs. We will then display ORCIDs on article pages in accordance with the ORCID display guidelines. Changes will be made to the search interface and API to allow [...] Read More...

Dublished Wed 20 Jan 2020 at 11:10

**14.266** Journals

11.289 searchable at Article level

133 Countries

4.620.631 Articles



C Vyberte jazyk ▼

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New Journals Feed

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## Gold OA: what to bear in mind

 APCs can be covered by a grant or a research project budget (eligible for example in H2020, ERC, Czech Ministry of Education etc.), or from workplace resources (if funds have been set aside for this purpose)

 There are journals of questionable quality that abuse the idea of open access only to generate profit without any contribution to science (predatory publishers) Predatory journal ≠ open access

Paid open access journal ≠ always a predator



## Characteristics of predatory publishers

- Peer review is only formal (fictitious) or is missing entirely.
- They accept any text in return for payment, regardless of its quality and contribution.
- They do not comply with established publication standards and ethics.
- They do not provide **specific contact details** nor **clear information** about publication fees, peer review, internal processes, etc.
- They state the Impact Factor and/or the SJR, despite the journal not having the metrics and not being indexed in the <u>Journal Citation Reports JCR</u> and/or <u>Scopus</u>.
- They present fictitious quality indicators (e.g. Universal Impact Factor, Global Impact Factor, Journal Impact Factor, etc.).
- They provide **false information about indexation** in established databases and indexes, or boast of being indexed in services which do not carry out any content quality checks before indexing a journal (e.g. CrossRef, Google Scholar, ResearchGate, etc.).
- They **aggressively and intrusively reach out to potential authors** and call for them to publish (or to participate in a conference such as key-note speaker) via unsolicited e-mails.
- •

## Why don't we simply blacklist them?

- ! The reasons for including a journal in a blacklist may not always be unambiguous and might **provoke a legal response** from the accused publisher. Moreover, as dynamic as the world of scientific journals is, **the quality of editorial work** of a journal could improve/worsen due to moving to another publisher etc.
- ! Therefore, it is always necessary to individually assess the credibility of the specific selected journal or publisher with which you want to publish.











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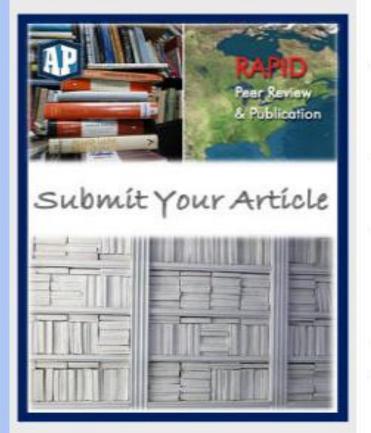
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#### Key-title Academia Journal of Scientific Research



#### Resource information



Title proper: Academia Journal of Scientific Research.

Country: Nigeria



Medium: Online



#### Record information

Last modification date: 06/02/2020

Type of record: Confirmed

ISSN Center responsible of the record: ISSN National Centre for Nigeria



#### **British Journal of Science** ISSN 2047-3745



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#### About the Journal

The British Journal of Science (BJS) is an international, refereed, and abstracted journal. The British Journal of Science is a monthly, peer-reviewed international research journal that addresses both applied and theoretical issues. The scope of the journal encompasses research articles, original research reports, reviews, short communications and scientific commentaries in the fields of applied and theoretical sciences, biology, chemistry, physics, zoology, medical studies, environmental sciences, mathematics, statistics, geology, engineering, computer science, social sciences, natural sciences, technological sciences, linguistics, medicine, industrial, and all other applied and theoretical sciences. The journal publishes both applied and conceptual research.

The articles in the journal are open access to different users in different countries around the world. Knowledge produced in the journal is meant for all scholars specialized within all disciplines of sciences. In order to contribute rapidly in the advancement of scientific research, the journal should be accessible for all. The British Journal of Science published from UK.

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The journal release volumes monthly. The full articles are published on-line one month before the date of release.

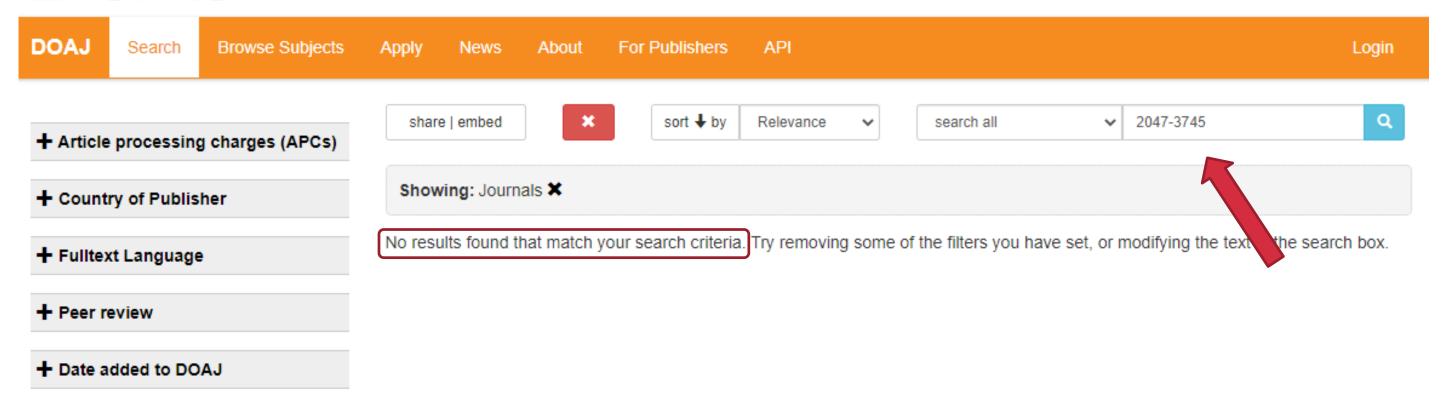
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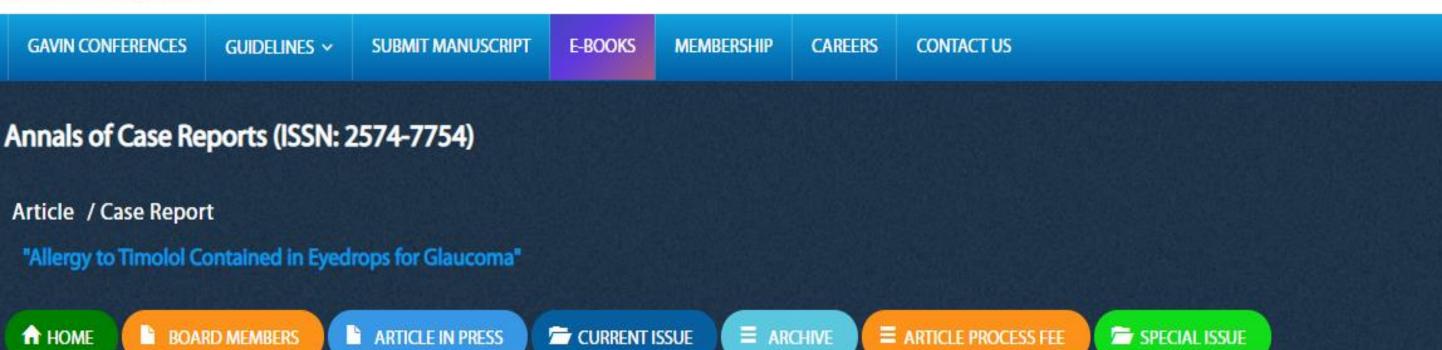
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British Journal of Science is indexed in ProQuest ABI/INFORM Genamics, Elsevier Bibliographic Databases, EMBASE, Ulrich, DOAJ, EMNursing, Compendex, GEOBASE, Scopus, and Mosby. British Journal of Science is monitored by Science Citation Index (SCI).

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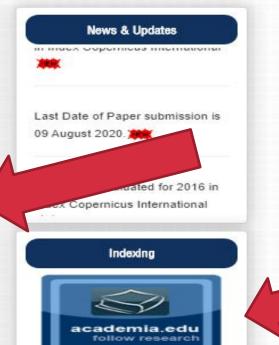
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2	International Journal of Innovative Research in Advanced Engineering (IJIRAE)	1.538	NE	2.469	NE				
3	International Journal of Computer Science and Mobile Computing (IJCSMC)	1.151	NE	NE	NE				
4	International Journal of Advanced Multidisciplinary Research (IJAMR)	-	1.015	2.153	NE				
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12	International Journal of The Computer, The Internet and Management	-	2.020	NE	5.845				
13	AYUSHDHARA - An International Journal of Research in Ayush and Allied Systems	-	1.818	NE	NE				
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15	Journal of Exercise Science and Physiotherapy (JESP)	-	4.925	5.230	NE	5.705	6.115	6.502	6.850
16	Roa Iktissadia Review	-	1.985	NE	NE				
17	International Journal of Trend in Research and Development (IJTRD)	-	0.925	2.010	3.025	4.004	4.865	5.326	6.00
18	International Research Journal of Engineering and Technology (IRJET)	-	2.518	3.215	NE				
19	Global Journal of Advanced Engineering Technologies and Sciences (GJAETS)	-	2.365	2.875	NE	3.802			
20	Global Journal of Engineering Science and Researches (GJESR)	-	3.155	4.022	NE	5.070			

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## Benefits of open access

- Transparent and reproducible research
- Higher visibility of work → better searchability
- Acceleration of scholarly communication
- Democratization of access to scientific information

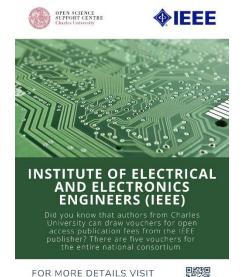
Open access brings benefits to students and researchers, but also to...

- → A parent: "My son is a schizophrenic—I would like to read this article [but] am blocked because I don't subscribe to the journal."
- → A trainer in further education needs to keep up to date: "I was trying to learn more about retention in higher education."
- → A patient wanted to read a study of the use of insulin pump therapy and other therapies for Type 1 Diabetes (T1D): "I have been living with T1D myself for more than 31 years now, and I am a curious human. Not to mention that it could foster advocacy efforts."

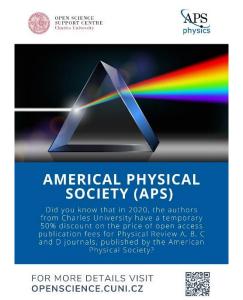
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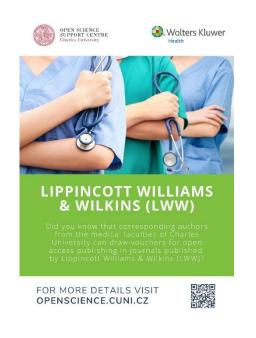
- Open Science Support Centre offers:
  - Assistance with choosing an appropriate open access journal
  - Assistance with depositing published articles into open repositories
  - Assistance with identifying possible predatory journals or publishers
  - Assistance with creating a Data Management Plan
  - Assistance with choosing an appropriate data repository
  - Individual or group training sessions in areas of open science (primarily open access and research data)

## APC discounts and waivers for CU authors

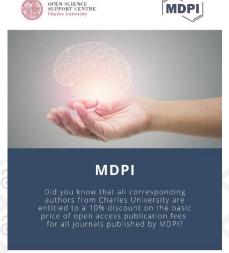


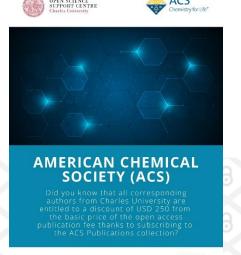
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## Any questions?

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