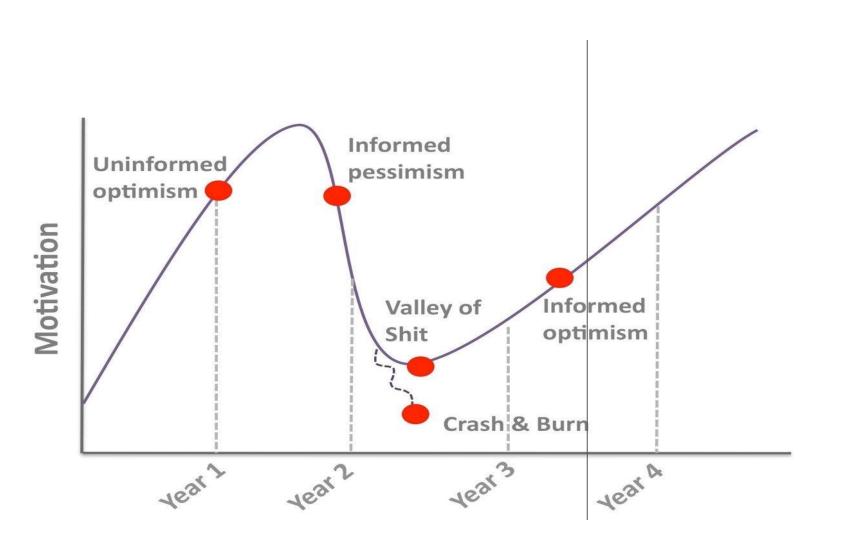
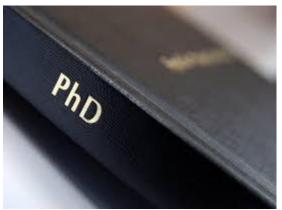
# Сервіси та застосунки цифрової науки для життєвого циклу наукового дослідження

презентація до лекції для здобувачів PhD\_2022



yaroshenko@ukma.edu.ua

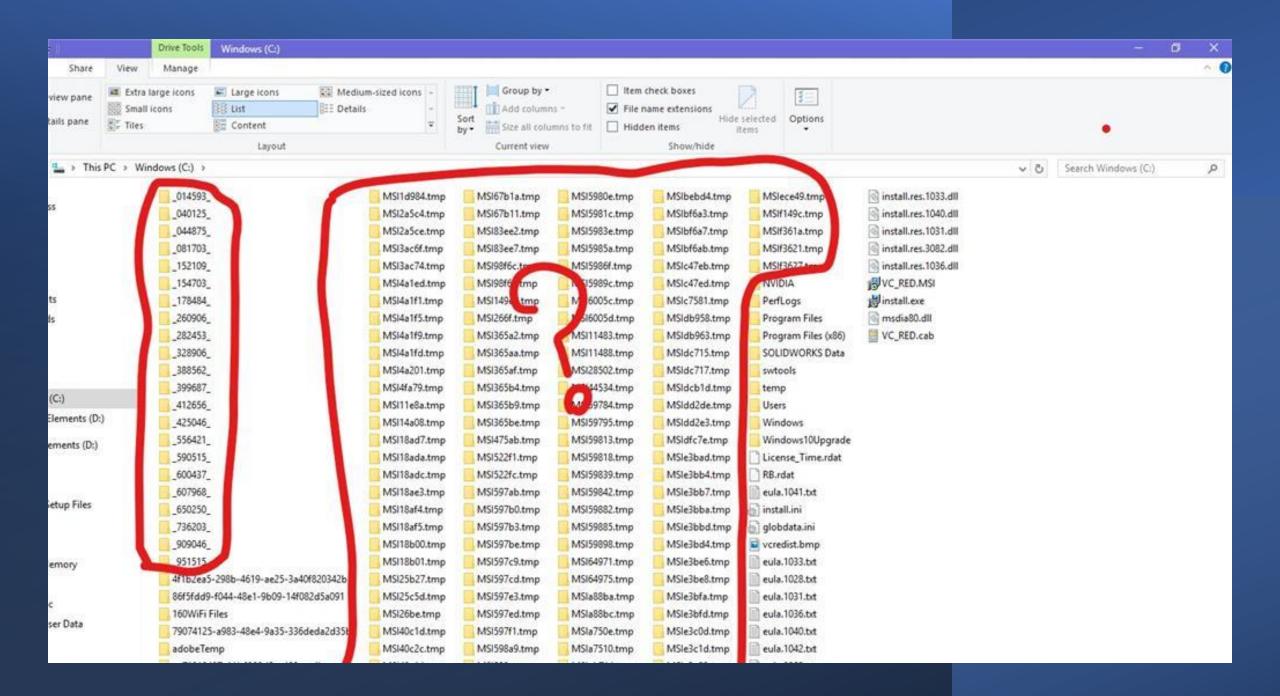


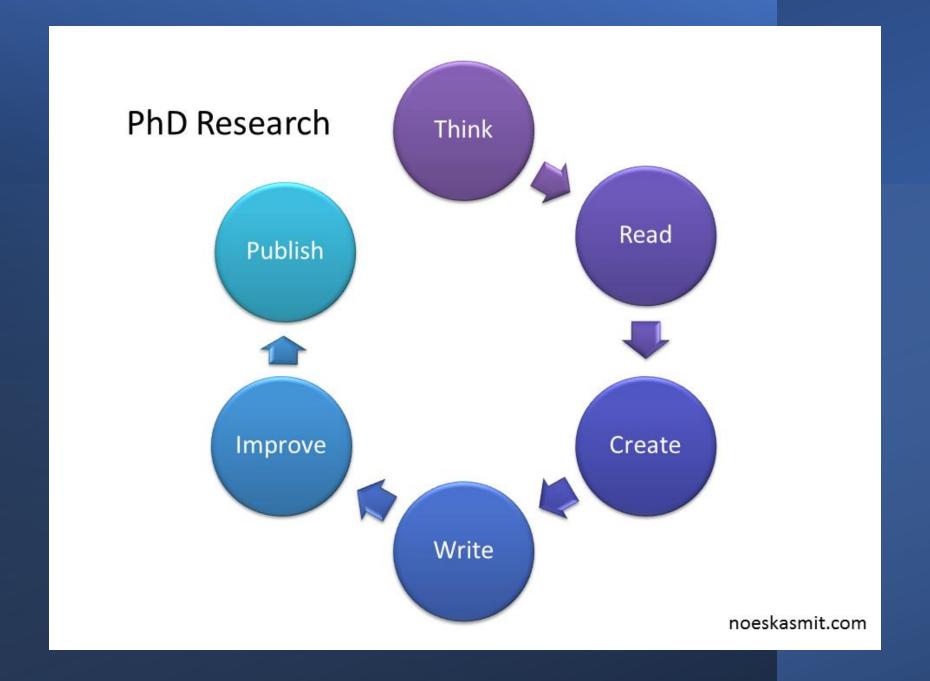












Дослідницький процес (research workflow)

дослідницький процес як робочий процес або цикл, що складається з менших ітераційних циклів



- Загальна методика виконання дисертаційного дослідження
- Будь-яке наукове дослідження від творчого задуму до остаточного оформлення наукової праці здійснюється досить індивідуально.
- Основні етапи і методологічні підходи до роботи над дисертацією.
- *Перший етап* вибір теми, обґрунтування її актуальності та визначення рівня її розробленості; вибір об'єкта, предмета; визначення мети і задач дослідження.
- *Другий* накопичення необхідної наукової інформації; пошук літературних та інших джерел з теми дослідження, їх вивчення й аналіз; вибір напрямів дослідження.
- *Третій* відпрацювання гіпотези та теоретичних передумов дослідження, визначення наукового завдання.
- **Четвертий** вибір методів дослідження, які становлять інструмент у добуванні фактичного матеріалу і виступають необхідною умовою досягнення поставленої в дисертації мети.

# Життєвий цикл наукового дослідження

Плануємо (ідея, гіпотеза, план)

Шукаємо, читаємо, аналізуємо (джерела)

Робимо власне дослідження

Пишемо, пишемо, пишемо!

Публікуємо

Поширюємо - Share Results, and Reuse

Як це оцінюють? (Assessment)

# Цифрові застосунки Відкритої Науки

відкриті інструменти або програми для кінцевого користувача, а також відкриті інформаційні стандарти чи інші послуги, які полегшують створення-збереження-передачу наукових знань.

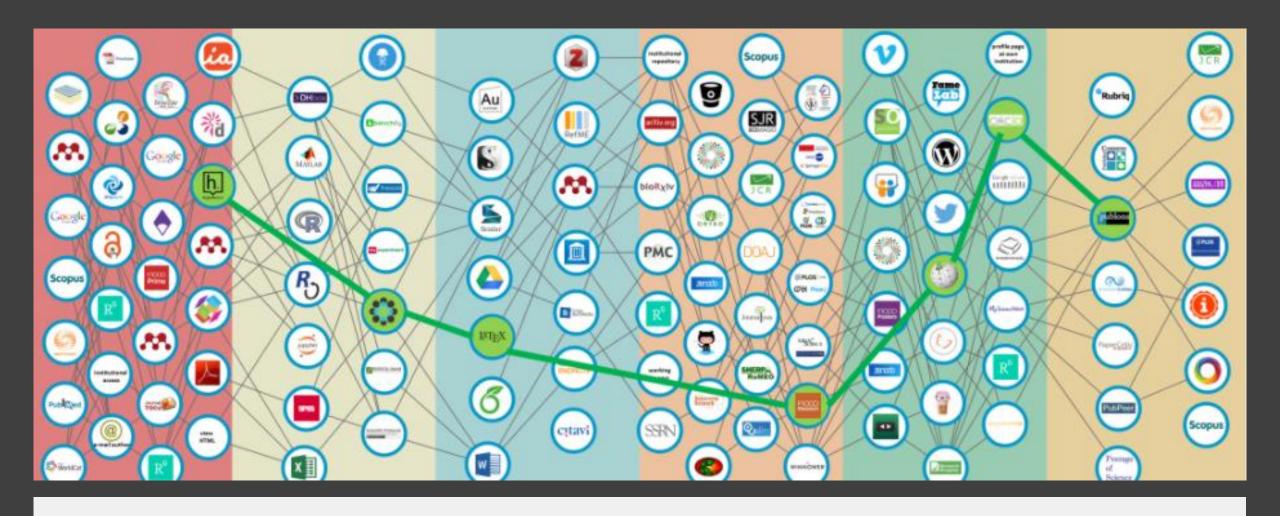
веб-додатки (з вимогами до завантаження або без них)

кожен інструмент призначається для одного основного дослідницького завдання

Ваш дослідницький робочий процес можна визначити інструментами, які ви використовуєте для керування дослідницькою інформацією, яку ви генеруєте протягом життєвого циклу дослідження: бібліографія, тексти, протоколи, польові нотатки, розшифровки, дані, коди, інтерв'ю, рукописи, слайди, публікації...

# Для чого?

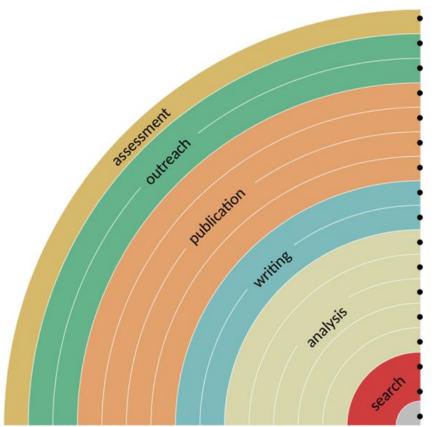
Один із способів підтримувати відкриту, прозору, цитовану, доступну для пошуку та спільну дослідницьку інформацію та результати Використовувати інструменти, які полегшать цей процес



• Bosman, J., & Kramer, B. (2016). Innovations in scholarly communication - data of the global 2015-2016 survey [Data set]. Zenodo. https://doi.org/10.5281/zenodo.49583



### You can make your workflow more open by



adding alternative evaluation, e.g. with altmetrics 🔘 🕕 🏅 communicating through social media, e.g. Twitter sharing posters & presentations, e.g. at FigShare using open licenses, e.g. CCO or CC-BY publishing open access, 'green' or 'gold' using open peer review e.g. at Peerage of Science sharing preprints, e.g. at arXiv, bioRxiv or OSF using actionable formats, e.g. with Jupyter open XML-drafting e.g. at Overleaf or Authorea sharing protocols & workfl. e.g. at MyExperiment sharing notebooks e.g. at OpenNotebookScience sharing code e.g. at GitHub with GNU license sharing data, e.g. at Zenodo, Dryad, Dataverse pre-registering, e.g. at OSF or AsPredicted commenting openly, e.g. with Hypothes.is using shared reference libraries, e.g. with Zotero sharing (grant) proposals, e.g. at RIO



# Ceogle YAHOO!

#### Шукаємо

Де і як шукати наукову інформацію Або Чи Гуглом єдиним...

Academic search engine

#### Discovery: Search, Access, Alerting, Reference Managers, etc.

Інструменти ПОШУКУ для текстового пошуку, візуальної аналітики, інтелектуального аналізу даних, вибраних штучним інтелектом,

автоматизованих експериментів тощо. Web of Science, Scopus, and compatible tools like EndNote

Google Scholar etc.

Бази даних: мультидисциплінарні та тематичні





https://library.ukma.edu.ua

https://login.ezp.ukma.edu.ua:8043/login





Віддалений доступ до електронних ресурсів Наукової бібліотеки Національного університету "Києво-Могилянська академія"

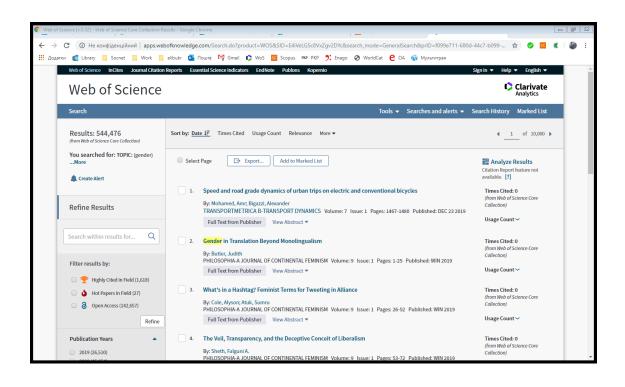
Логін			
Іароль			

Вхід

- Для входу використовуйте поштову адресу з домену @ukma.edu.ua та пароль до неї.
  - Доступно для викладачів, студентів, співробітників НаУКМА.
- Сторонні користувачі наукової бібліотеки НаУКМА не можуть отримати віддалений доступ, зважаючи на умови ліцензійних угод з постачальниками електронних ресурсів.

Консультації за телефоном <u>+38 044 425 60 35</u> або <u>library@ukma.edu.ua</u>

#### Web of Science



- Coverage: approx.
   100 million items
- References: 1.4 billion
- Discipline: Multidisciplinary
- Access options: institutional subscription only
- Provider: Clarivate (formerly Thomson Reuters)

 Зазначення реальної цитованості цих матеріалів

http://apps.webofknowledge.com

## What is Scopus?



- Scopus is one of the two big commercial, bibliographic databases that cover scholarly literature from almost any discipline. Beside searching for research articles, Scopus also provides academic journal rankings, author profiles, and an h-index calculator.
- Coverage: approx. 71 million items
- References: 1.4 billion
- Discipline: Multidisciplinary
- Access options: Limited free preview, full access by institutional subscription only
- Provider: Elsevier

### ScienceDirect

- ScienceDirect is the gateway to the millions of academic articles published by Elsevier.
- 2,500 journals and more than 40,000 e-books can be searched via a single interface.
- Coverage: approx. 16 million items
- 1.4 million articles on ScienceDirect are open access
- Discipline: Multidisciplinary
- Provider: Elsevier

#### 0

## 1.4 million articles on ScienceDirect are open access

Articles published open access are peer-reviewed and made freely available for everyone to read, download and reuse in line with the user license displayed on the article.

View the list of full open access journals and books

View all publications with open access articles (includes hybrid journals)

Read more about Elsevier's open access publishing choices

#### **PubMed**

- PubMed is the number one resource for anyone looking for literature in medicine or biological sciences.
- PubMed stores abstracts and bibliographic details of more than 34 million papers and provides full text links to the publisher sites or links to the free PDF on PubMed Central (PMC).
- Coverage: approx. 34 million items
- References: NA

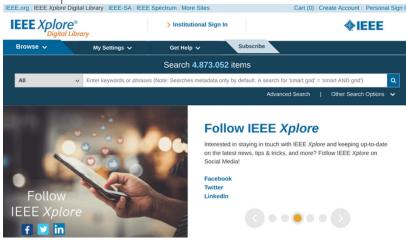
- Discipline: Medicine, Biological Sciences
- Access options: free
- Provider: NIH

# IEEE Xplore

- leading academic database in the field of engineering and computer science. It's not only journal articles, but also conference papers, standards and books that can be search for.
- Coverage: approx. 5 million items
- References: NA

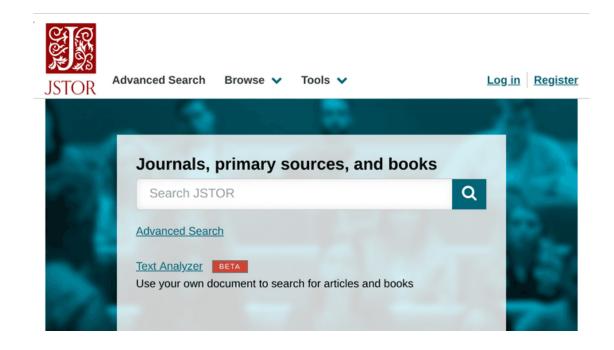
- Discipline: Engineering
- Access options: free
- Provider: IEEE

   (Institute of Electrical and Electronics Engineers)



#### **JSTOR**

- JSTOR is another great resource to find research papers. Any article published before 1924 in the United States is available for free and JSTOR also offers scholarships for independent researchers.
- Coverage: approx. 12 million items
- References: NA
- Discipline: Multidisciplinary
- Access options: free
- Provider: ITHAKA





## Academic Search Complete

- Academic Search Complete is a database that stores information for multiple different disciplines.
- allows users to search for peer-reviewed and scholarly sources based on the topic, keyword or even author.
- EBSCO



Research4Life content is grouped into the following collections:

- •<u>Hinari</u> is one of the world's largest collections of **biomedical** and health literature.
- •AGORA is an outstanding digital library collection in the fields of **food and agriculture**.
- •ARDI gives access to scientific and technical information.
- GOALI focuses on law and social sciences, including politics, economics, philosophy, history and more.
- OARE collects information resources on environment, including ecology, geography, energy and more.

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# Бази даних закордонних та вітчизняних дисертацій та авторефератів

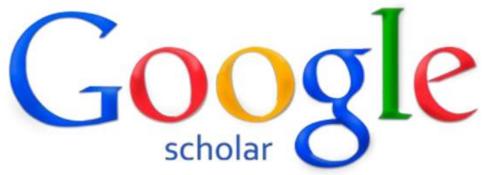
https://nauka.gov.ua/information/bazy-danykh-dysertatsii-ta-avtoreferativ-zakordonnykh-ta-vitchyznianykh/



- The World's Largest Library Catalog
- > 540 million bibliographic records in 483 languages, representing over 3 billion physical and digital library assets

#### Google Scholar

Google Scholar - це спеціалізована система пошуку наукових документів. Завдяки масовому використанню веб-сканерів, вона отримує метадані з найбільш релевантних джерел у мережі. Вона використовує технологію PageRank для сортування документів та власний алгоритм індексування для вимірювання впливу кожного матеріалу. Окрім основної сторінки пошуку, вона включає: Google Scholar Citations (авторські профілі) та Google Scholar Metrics (журнали).



Слабкі сторони - це не надто прозорі результати, не надто великий вибір опцій для звуження результатів пошуку

https://scholar.google.com.ua/

Activate Windows
Go to Settings to activate Windows.

# **Google Scholar**

- •Google Scholar is the clear number one when it comes to academic search engines. It's the power of Google searches applied to research papers and patents. It not only let's you find research papers for all academic disciplines for free, but also often provides links to full text PDF file.
- Coverage: approx. 200 million articles
- Abstracts: only a snippet of the abstract is available
- •Related articles: ✓
- •References: ✓
- •Cited by: ✓
- •Links to full text: √
- •Export formats: APA, MLA, Chicago, Harvard, Vancouver, RIS, BibTeX

# «МОЯ БІБЛІОТЕКА» В GOOGLE АКАДЕМІЇ

- Google Академія дозволяє досліднику укладати власну бібліотеку бібліографічних посилань. У процесі пошуку в системі можна зберігати той чи інший його результат у власній бібліотеці, натиснувши на посилання ярлик позначку «Зберегти»
- ALERTING СПОВІЩЕННЯ (я слідкую за таким ABTOPOM, на таку ТЕМУ (ключові слова), з таких джерел, за такі роки і т.д.

#### Microsoft Academic Search

Microsoft Academic Search - це розробка Microsoft Research Asia, що фокусується не лише на профілях авторів, а й організацій та журналів. Окрім оригінальних візуалізацій та інструментів бенчмаркінгу, цей двигун є одним з найбільш інноваційних рішень у сфері наукової інформації, наявної в Інтернет. Він повністю черпає свої дані з бази даних CrossRef і використовує автоматичний індекс цитування, класифікований за алгоритмом PopRank.

https://academic.microsoft.com/home



Основними його

недоліками є

недосконалий механізм

пошуку, орієнтований лише

на документи та авторів та

повільна швидкість

оновлення.

Activate Windows
Go to Settings to activate Windows.

## Microsoft Academic

- It's Microsoft answer to Google Scholar.
- Microsoft Academic takes a different approach and generates for each paper that is indexed an overview page that allows to easily explore top citing articles and references of the article.
- Coverage: approx. 210 million articles
- Abstracts: √
- Related articles: ✓
- References: ✓
- Cited by: ✓
- Links to full text: ✓
- Export formats: APA, MLA, BibTeX

#### **BASE**

BASE (Bielefeld Academic Search Engine) пошукова система, що розпочала роботу у 2004 році (Німеччина). Спеціалізується на відкритих джерелах і побудована на відкритих протоколах (ОАІ-РМН), що дозволяють збирати документи в основному з інституційних сховищ та цифрових бібліотек. Користувачі можуть шукати бібліографічні метадані, включаючи анотації, якщо вони доступні. Однак BASE наразі не пропонує повнотекстовий пошук.



Activate Windows

https://www.base-search.net<sup>tings to activate Windows.</sup>

#### BASE

BASE is hosted at Bielefeld University in Germany and that's where it name stems from (Bielefeld Academic Search Engine).

Coverage: approx. 136 million articles (contains duplicates)

Abstracts: ✓

Related articles: X

References: X

Cited by: X

Links to full text: ✓

Export formats: RIS, BibTeX



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Search 135,313,622 open access articles

Search

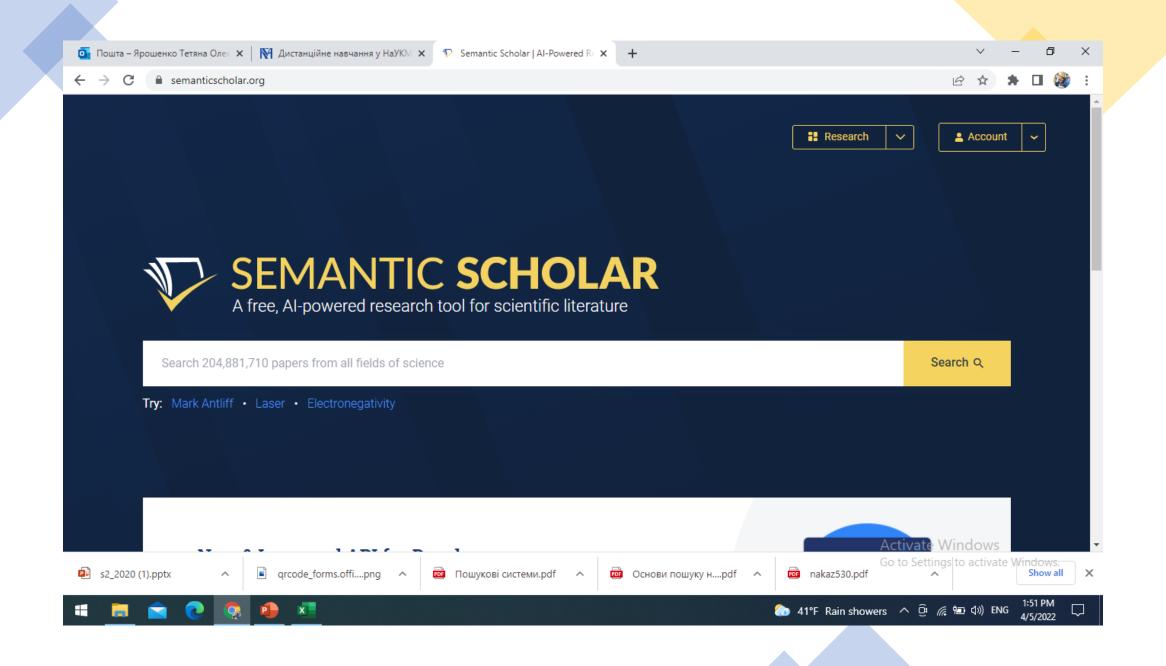
# Aggregating the world's open access research papers

#### **CORE**

- CORE is an academic search engine dedicated to open access research papers.
   For each search result a link to the full text PDF or full text web page is provided.
- Coverage: approx. 136 million articles
- Abstracts: √
- Related articles: ✓
- References: X
- Cited by: X
- Links to full text: ✓ (all articles in CORE are open access)
- Export formats: BibTeX

## Science.gov

- Science.gov is a fantastic resource as it bundles and offers free access to search results from more than 15 U.S. federal agencies. There is no need any more to query all those resources separately!
- Coverage: approx. 200 million articles and reports
- Abstracts: √
- Related articles: X
- References: X
- Cited by: X
- Links to full text: ✓ (available for some databases)
- Export formats: APA, MLA, RIS, BibTeX (available for some databases)



## Semantic Scholar

- It's mission is to provide more relevant and impactful search results using Al powered algorithms that find hidden connections and links between research topics.
- Coverage: approx. 40 million articles
- Abstracts: √
- Related articles: ✓
- References: √
- Cited by: ✓
- Links to full text: ✓
- Export formats: APA, MLA, Chicago, BibTeX

#### RefSeek

- RefSeek searches more than one billion documents from academic and organizational websites. Its clean interface makes it especially easy to use for students and new researchers.
- Coverage: no detailed statistics available, approx. 1 billion documents
- Abstracts: only snippets of the article are available
- Related articles: X
- References: X
- Cited by: X
- Links to full text: ✓
- Export formats: not available



#### SearchBrowseFollow



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- Journal of Technology and Informat...
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- Revista Digital de Investigación ...

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Sciendo >

Emerald >

Cambridge University Press >

Hindawi >

Wolters Kluwer >

## **Staying current with your research:** Using alerting services to receive latest published information on your research topic.

Most journals provide **alert services** to keep you up to date with their content. Traditionally these have been called ToC alerts and will send you the table of contents each time a new issue of a journal is published. This enables you to see what is being published and take steps to view any articles of interest

#### **Publisher websites**

Publisher websites generally can provide updates to their table of contents. You can find links to the table of contents RSS feed or e-mail alert on each journal's website

Select 'Create alert' or

'Create RSS feed'. Enter an email address.

#### What is a citation alert?

- It is sometimes useful to be alerted when someone cites a particular article.
- This type of alert utilises databases that have a citation search function, ie they allow you to see who is citing a particular article. It usually involves registering first, identifying the item and then saving as a citation alert.

databases will require you to register before receiving email alerts.

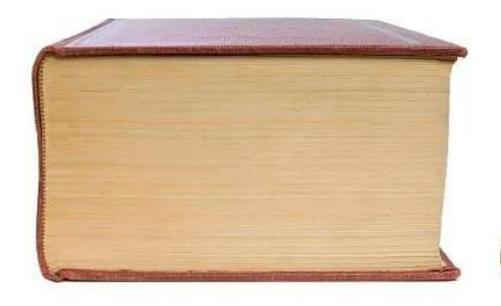
- Web of Science (Clarivate Analytics) Search for the article you are interested in and from the article entry select 'Create Citation Alert'.
- <u>Scopus (Elsevier)</u> Search for article and at entry select either 'Set citation alert' or 'Set citation feed'.
  - To be notified when an author or matched authors are cited in Scopus, on the Author details page select the 'Set citation alert'.
- Google Scholar Google Scholar Citations provide a way to keep track of your own published citations, as well as those of other authors. For more information about this service see 'help' at the bottom right within Google Scholar.

## **BrowZine**

- BrowZine is a current awareness service to help you keep up with the latest research in your field.
- You can use it on the web, through a mobile app, or both as it syncs your account across all device
- With BrowZine, Users Can...
- Create a customized list of your favorite scholarly, peer-reviewed journals, which you can access on the web (via <a href="BrowZine.com">BrowZine.com</a>) and mobile devices. This includes journals in all disciplines, from hundreds of publishers.
- Check-in periodically to see if new articles have been published. On your mobile device, you'll get a notification with the number of new articles.
- Browse the articles for ones you want to read or download to read later.
- Create and organize lists of articles ("My Articles") for easy retrieval. This is a great way to save articles for later reading if you like to scan for articles on your phone but prefer to read them on your tablet or computer.
- Share links to articles, or export references into bibliographic management software.

#### F1000Prime

- F1000Prime is a subscription-based article recommendation and literature discovery service that helps readers sift through the thousands of journal articles in biology and medicine published each day
- Key Benefits:
  - Article recommendations/ Features the most notable papers as recommended by over 8,000 experts in their fields across over 4,000 journals
  - Personalized homepage/ Showcases the latest articles relevant to you, and features customized searches, as well as alerts from F1000Prime and PubMed
  - SmartSearch Works on an algorithm that learns from your reading to highlight only the most relevant articles to your interest



my references

list





my thesis





# Бібліографічні менеджери (менеджери цитування)

Програмне забезпечення, яке дозволяє збирати, упорядковувати та використовувати бібліографічні посилання або цитати.

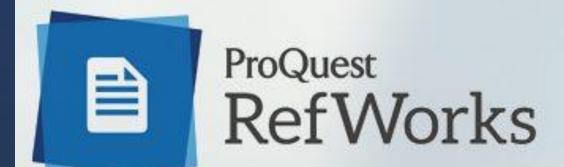
#### Для чого?

- Допомогти в упорядкуванні, зберіганні та оформленні бібліографії джерел, цитувань та повних текстів!
- Допомогти у створенні та оформленні огляду літератури до дослідження 8000+ citation styles
- Різні папки!
- Плагіни для вставлення в текст у потрібному форматі
- Вилучення повторюваних цитувань
- RefWorks, EndNote, Mendeley i Zotero.



## MENDELEY

## EndNote™



# zotero

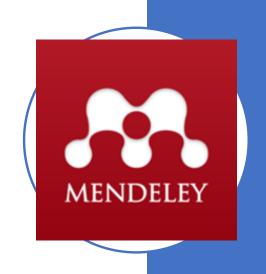


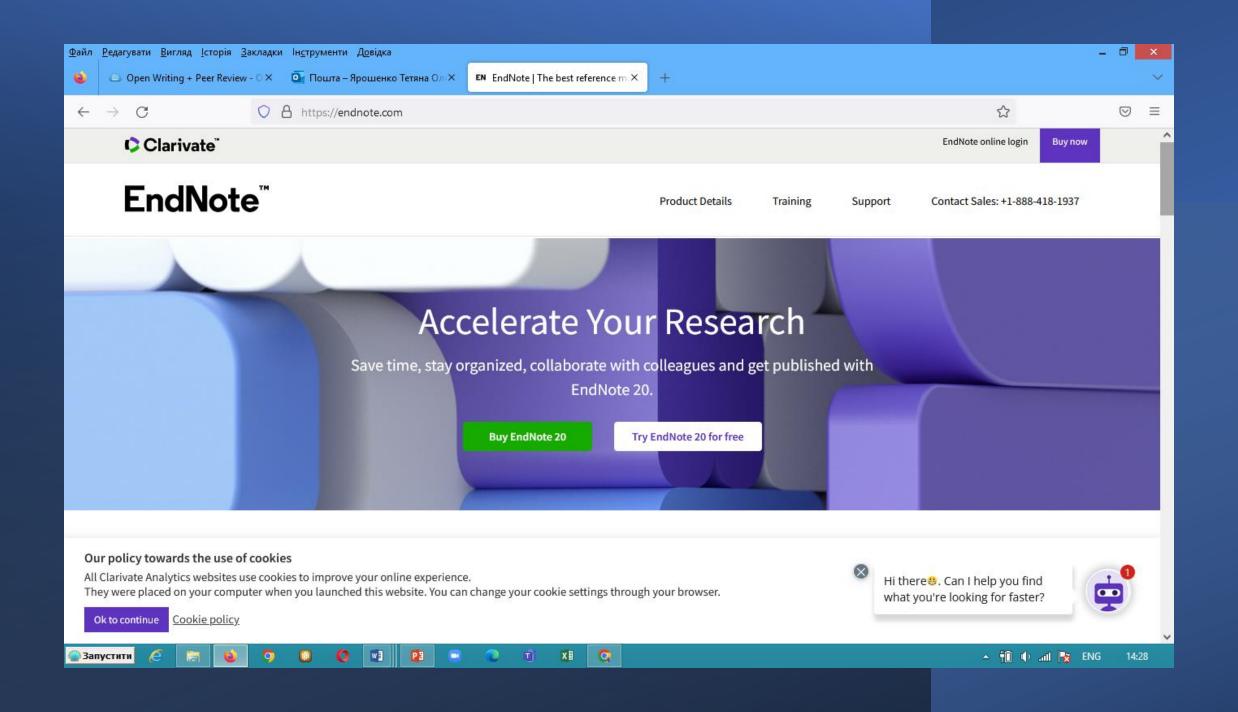
## Zotero

Zotero is a free, easy-to-use tool to help you collect, organize, cite, and share your research sources.

## Mendeley

desktop and web program for managing and sharing research papers, discovering research data and collaborating online.





## ReadCube Papers

- We are on a mission to make the world of research more accessible and connected serving researchers, publishers, academic and commercial organizations. Papers offers a robust cross-platform suite of reference management & discovery tools that can dramatically improve the way researchers find, access, organize, read, annotate, share, and cite research literature. Search + Download
- Built-in search engines
- Personalized recommendations
- Related article feeds
- Institutional proxy support
- Web importing via browser
- 1-click PDF downloads
- · Advanced search filters Stay Organized
- Easy importing tools from your desktop/other reference managers
- · Auto article metadata matching
- Full text library search
- Advanced sorted & filtering
- Manual & smart collections
- #keyword tagging, labels & article ratings Read & Annotate
- Enhanced PDF viewing
- Hyperlinked inline references, high-res figure browsers & auto-fetched supplements
- Advanced article metrics (incl. citations, field & relative citation ratio, and Altmetric)
- Inline and sticky notes, highlighting and drawing tools
- Text to speech tool Share & Collaborate
- Up to 5 private shared collections (PDFs/references)
- · Collaborate with up to 25 Papers user per collection
- · Share references, PDFs, notes, tags and PDF annotations
- Article discussion group Cite Faster \* Insert references from personal / shared libraries or use built-in search engine.
- 8000+ citation styles supported. Customize & import your own
- Quick-copy of citations in bibtex, ris
- Export reference list for use in third party citation tools like EndNote and Overleaf
- Supports Word 2016+ Sync Across Devices
- Unlimited cloud storage for your personal library
- · Sync your entire library including notes, lists, annotations, and highlights across all of your devices
- · Supports Desktop (Mac/PC), mobile (iOS/Android) and Web



## EasyBib.com

- •EasyBib.com provides citation, notetaking and research tools.
- •EasyBib offers free and premium services for individuals and institutions.

Article
Galaxy
Enterprise

Article Galaxy Enterprise provides data-driven insights and one-click access to scientific, technical and medical (STM) content at the lowest legal cost, filtering against Open Access, subscriptions, publisher pay-per-view tokens and even full-text rentals

#### **RefWorks**



RefWorks is an online research management, writing and collaboration tool that is designed to help researchers easily gather, manage, store and share all types of information, as well as generate citations and bibliographies

## Анотації (реферати), сканування etc.

#### **Adobe Acrobat**

 is a family of <u>application software</u> and <u>Web services</u> developed by <u>Adobe Inc.</u> to view, create, manipulate, print and manage <u>Portable</u> <u>Document Format</u> (PDF) files

#### iAnnotate -

is the fastest way to read, markup, and share PDFs and more.

**iAnnotate** 

and neighborhood satisfaction from the American Housing Surveys.25 The author finds new construc-

tions which increase house size inequality lower

through a relative size effect, but no such effect

the house satisfaction of existing homeowners

https://www.folia.com/iannotate

folio



**READ & ANNOTATE** 

Annotating while you read is a powerful way to

process and retain information. iAnnotate

features the most comprehensive set of tools

so you can highlight, draw, stamp, underline,

and more with the touch of a finger.



#### ALL YOUR FILES

Whether you keep them on-device or in the cloud (Google Drive, OneDrive, Dropbox, and more) iAnnotate helps you access all the files you need. Microsoft Office files? Google Docs? Images? No problem! iAnnotate automatically converts files to PDF to keep you productive!



**Enterprise** 

to track the movements of the population by

European Union, facial features are automatically

recognising them wherever they are. In the

Support

#### SHARE WITH PRECISION

You need to share different things for efferent audiences, and we get Got any questions? I'm happy to users granular control and who you share it v

your way.



The word meditation is used to describe practices that self-regulate the body and mind, thereby affecting mental events by engaging a specific attentional set. Regulation of attention is the central commonality across the many divergent methods (Davidson & Goleman, 1977). Meditative styles can be usefully classified into two types—mindfulness and concentrative, which differ in the way attentional processes are directed. Most meditative techniques lie somewhere on a continuum between the poles of these two general methods (Andresen, 2000; Shapiro & Walsh, 1984; Wallace, 1999). Mindfulness practices involve allowing any thoughts, f intaining a specific (6) 8 More research needed attentional stance: awareness of the phenon ed observer without judgment or analysis. Examples include Zen, Vipassana, and the western adaptation to Mindfulness Meditation (Kabat-Zinn 2003) Concentrative meditational techniques involve focusing on specific **Bookmark** Select Markup... Drawing... mental or selectory activity: a repeated sound, an imagined image, or specific body sensations such as the breath. Examples include forms of Yogic meditation, Transcendental Meditation (TM), and the Buddhist Samatha meditation focus on

Note

Page 3 of 68

abc

abc





About Us v

Solutions ~

Blog

Developers v

## **Hypothesis for Research**

Collaborative reading in research and scholarship has a long history. With the increased use of digital texts, web annotation makes it possible to add scholarly discussion in the margins of any document, anchored on specific passages or data points. New practices arise: When each annotation has a unique address, the discussion itself can participate as a first-class scholarly object. Both people and friendly robots can enrich texts with additional layers of information and analysis.

Bring Hypothesis into your research and scholarship: Create your own account and equip your browser or website with social annotation.

## LOOKING FOR RESEARCH ABOUT ANNOTATION?

Get "meta" with us: Go
beyond how social
annotation is used within
research and scholarship
and learn more about how
Hypothesis supports
research and scholarship
about social annotation.

#### **Utopia Documents**

is a semantic, scientific, web-enabled <u>PDF</u> reader.

can be downloaded for free

#### А

#### Search & Download

- ✓ Powerful built-in search
- Personalized recommendations
- Related article feeds
- ✓ Institutional proxy support
- Web importing via browser
- 1-click PDF downloads
- Advanced search filters
- ✓ Bulk Import (.csv, .bib, .ris)

#### Share & Collaborate

- Up to 5 private shared collections (PDFs/references)
- Collaborate with up to 30 Papers users per collection
- Share references, PDFs, notes, tags and PDF annotations
- Article discussion summary
- Public library links

#### Stay Organized

- Easy importing tools from your desktop/other reference managers
- Auto article meta-data matching
- Full text library search
- Advanced sorting & filtering
- Manual & smart collections
- #keyword tagging, labels & article ratings
- File management & watch folders
- Auto-organizing smart lists



- Insert references from personal / shared libraries or use built-in search engine.
- 10000+ citation styles supported.
   Customize & import your own
- Copy to clipboard formatted citations
- Export reference list for use in third party citation tools like EndNote and Overleaf
- Add-ins to supports Word 2016+ & Google Docs
- Citekey citation support for Pages, LibreOffice, Manuscripts App & more
- Endnote citation converter
- \* O ------

#### Read & Annotate

- Enhanced PDF viewing
- Hyperlinked inline references and high-res figure browsers
- Auto-fetched supplements
- Advanced article metrics (incl. citations, field & relative citation ratio, and Altmetric)
- Contextual citations
- Inline and sticky notes, highlighting and drawing tools
- Text to speech tool

#### Sync Across Devices

- Unlimited cloud storage for your personal library
- Sync your entire library including files, notes, lists, annotations, and highlights across all of your devices
- Supports Desktop (Mac/PC), mobile (iOS/Android) and Web.
- Theme Support (Dark Mode)

## Adobe Scan

(Android, iPhone, iPad)

Adobe Scan is an intuitive, free scanner app from the makers of Adobe Acrobat. Scanner apps aren't what first comes to mind when you think of Adobe. However, the company has managed to produce an excellent, free scanner app for Android and iOS.

Documents are saved to your Adobe Cloud account by default, but you also have the option to store your scans in Google Drive or save them locally on your phone.

The only downside of Adobe Scan is its lack of built-in document signing and annotation features. Given that Adobe wants you to use the app in tandem with Acrobat, however, this makes sense.

**Price:** Free

## **Office Lens**

- (Android, iPhone, iPad)
- Capable on its own, Microsoft's scanner app is especially useful for Office 365 users.
- Like Adobe Scan, Microsoft Lens offers several presets to make the scanning process
  fast and easy. Once you've scanned an image, Lens lets you edit its cropping, contrast,
  colors, and other visual aspects.
- From there, you have the option to save your scan locally as either a JPEG or PDF.
- And if you're an Office 365 subscriber, you can also export your scan to OneNote, OneDrive, and PowerPoint. You even have the option to automatically extract the scan's text into Word using OCR.
- While powerful, these features will only be useful if you already use Microsoft 365
  apps for work or school. Lens is certainly a capable scanner app on its own, but you
  may want to consider one of the other options on this list if you don't plan to use it in
  tandem with other Microsoft apps.

#### . iScanner: PDF Docs Scanner App

- (Android, iPhone, iPad)
- iScanner is a polished and fully-featured scanner app that adds a wealth of valuable tools to your mobile device. Tools to scan, sign, highlight, and annotate documents, extract text, solve math problems, measure area, and more lie behind a simple interface that puts every tool only a single click away.
- iScanner turns your mobile device into a portable scanner for capturing documents, notes, texts and more. Once your camera has grabbed the image, the app has features for making the information in those documents more accessible and useful.
- iScanner is available for both iOS and Android devices for free.
- **Price**: Free
- Platforms: Android, iOS

# Аналізуємо: дані (статистичні, текстові, зображення, відео, коди, spreadsheet data...) Візуалізація даних / Міхеd methods research

MatLab

Excell

SPSS

**DHBox** 

ROpenSci

**Nvivo** 

Atlas.ti

**Provalis Research** 

Quirkos



MaxQDA

Ravens's Eye

Dedoose

WebQDA

HyperResearch

**TRANSANA** 

Datagrav ....

# Nvivo -Qualitative Research Data Analysis Software

- is the premier software companion for collecting, analyzing and preparing your groundbreaking research for peer review and publication.
- NVivo lets you import and work with research data from virtually any source, including surveys, interviews, articles, video, email, social media and web content, rich or plain text, PDF, audio, digital photos, spreadsheets, and notes from integrated third-party applications.

# Open protocols+ notebooks

Sharing protocols, notebooks, and workflows can provide opportunities to document and share research processes.

.

# Some useful tools and platforms for storing and sharing protocols and resources for electronic lab notebooks

<u>Protocols.io</u>: an open-access repository of step-by-step, detailed protocols and methods for researchers across multiple disciplines, particularly those in the sciences and engineering.

<u>JoVE</u>: The Journal of Visual Experiments produces and publishes videos of scientific experiments from laboratories around the world, allowing for reproducibility.

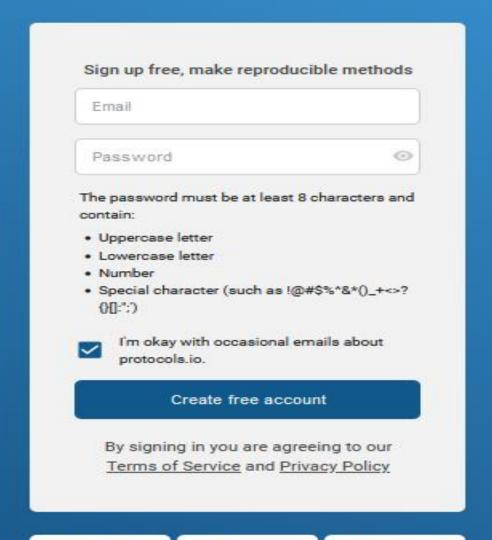
Nature ProtocolExchange: An open repository (preprint server) of community-contributed protocols sponsored by Nature Portfolio.

We welcome protocols from all areas of the natural sciences.

#### https://www.protocols.io - Bring structure to your research

- A secure platform for developing and sharing reproducible methods.
- Protocols.io allows researchers to create, manage, and share their research protocols and methods with other users on the platform, making them freely available for other scholars and improving reproducibility across the field.
- Users may also choose to keep their research private.
- https://www.protocols.io/webinars/intro-tutorial

### protocols.io









#### **JoVE**

- JoVE produces and publishes videos of scientific experiments from laboratories around the world, allowing for reproducibility.
- 15,000+ videos of laboratory methods and science concepts
- 1,000+ universities, colleges and biopharma

Behavior

Biochemistry

Bioengineering

Biology

Cancer Research

Chemistry

Developmental Biology

Engineering

Environment

Genetics

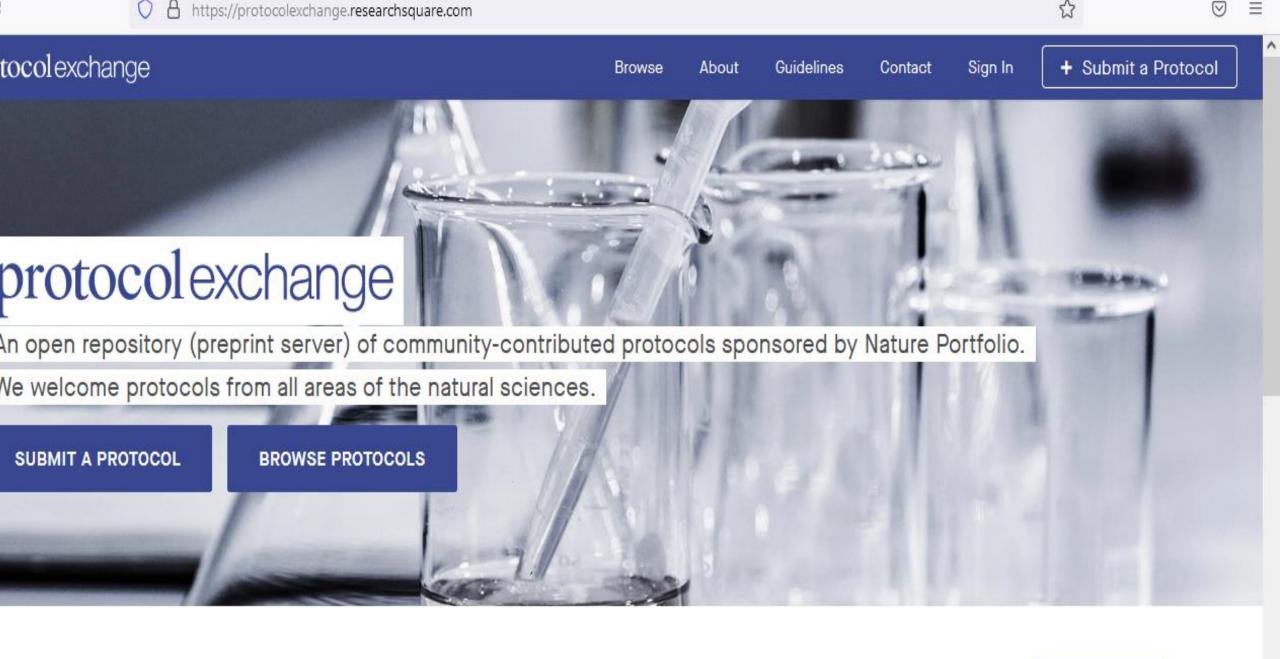
Immunology and Infection

Medicine

Neuroscience

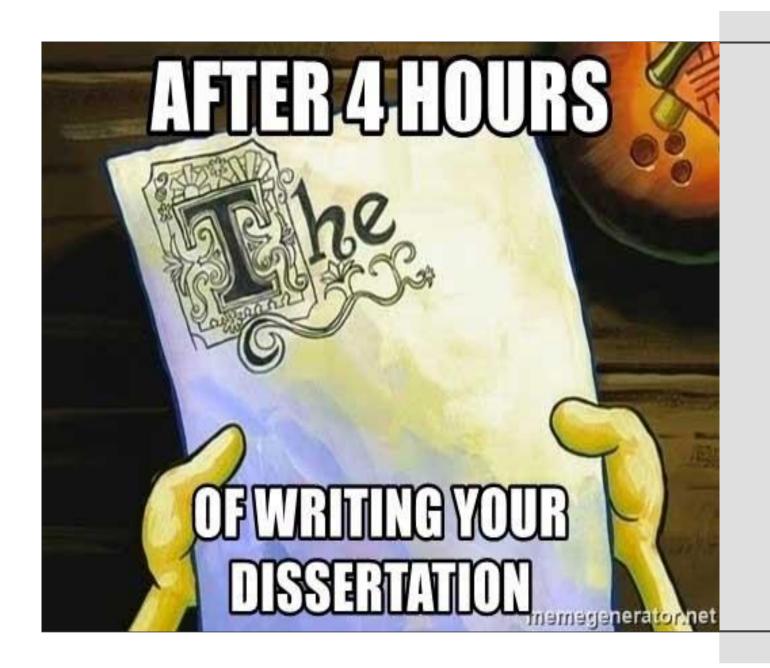
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You May You May Not Access, search and browse the database or Sell copies of items printed or downloaded. publication. Distribute copies of any portions of this resource to Print or download a limited number of articles. anyone not affiliated with Princeton University. Sharing records, abstracts, or parts of chapters for personal information with colleagues for scholarly, educational, or scientific research or professional use is permitted. use. Include summary information and brief quotations in Employ automated processes (searching, academic publications, provided that the source is downloading, web crawling, web scraping) to obtain acknowledged. information or data. Perform excessive searching or downloading for the purposes of creating datasets. Use content and information for commercial purposes.



# Protocol Exchange - https://protocolexchange.researchsquare.com/protocolexchange/about

- Protocol Exchange is an open resource where any protocol can be freely shared.
- from any branch of the natural sciences
- protocols are posted directly on the Protocol Exchange by authors and are made freely available to the scientific community for use and comment
- Protocols on the Exchange are published under a <u>Creative Commons Attribution licence</u>, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons license, and indicate if changes have been made.
- Protocols are not peer reviewed or edited by the Nature Protocols team, although they are screened for non-scientific content and for material that might pose a health or biosecurity risk. Authors are responsible for declaring any competing interests and ensuring they have complied with all relevant ethical regulations and declarations of consent if the protocol involves human participants. If a protocol relates to a clinical trial, we ask authors to include the trial registration number from <a href="ClinicalTrials.gov">ClinicalTrials.gov</a> or an equivalent agency in the manuscript.
- Protocol Exchange forms part of Nature Portfolio's efforts to improve the reproducibility of published research results. Once a Nature Portfolio article is accepted for publication, the authors are encouraged to upload their protocols to the Exchange or any other open protocol sharing platform of their choice. Protocols deposited in Protocol Exchange are citable and can be linked from the published article.



### Пишемо!

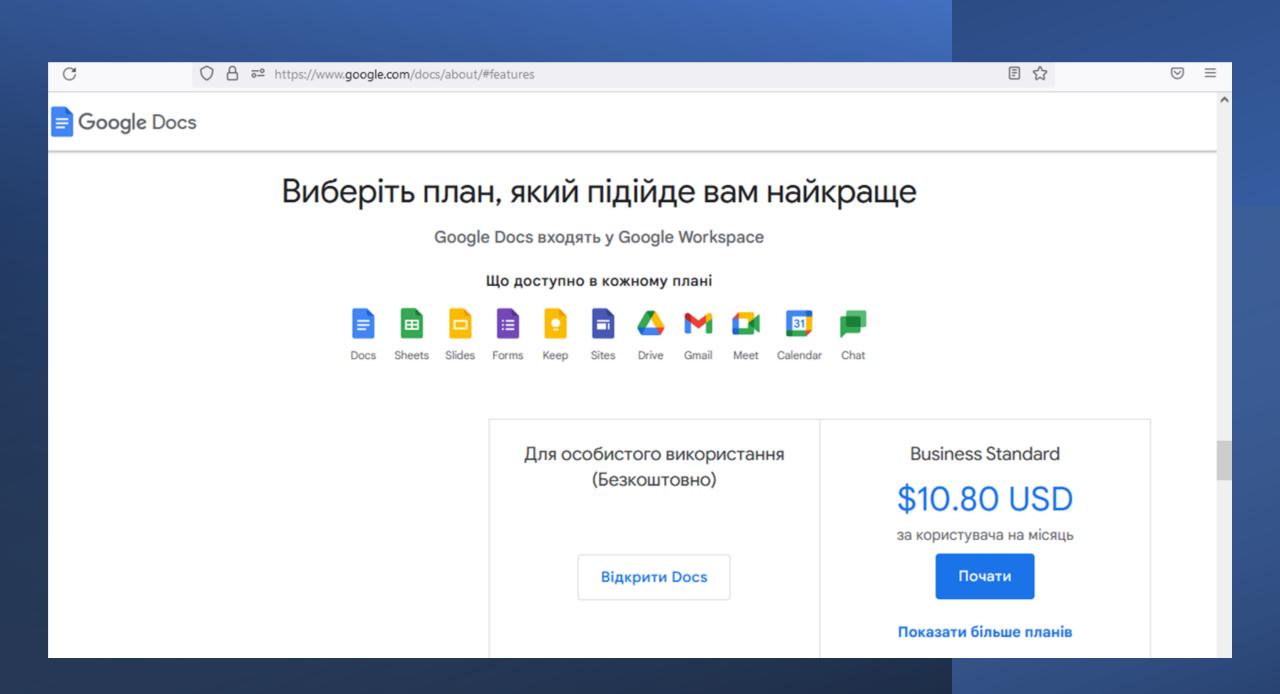
Застосунки Веб для створення текстів та даних дослідження



# Пишіть швидше завдяки вбудованим інтелектуальним функціям

Зосередьтеся на свої ідеях: завдяки допоміжним функціям, таким як "Розумний ввід", можна писати швидше й робити менше помилок. Орфографічні та граматичні пропозиції, голосовий ввід і швидкий переклад документів заощаджують ваш час.

Approximately 57% of their working time went toward interacting directly with Swipe →



Dropbox Paper - https://www.dropbox.com

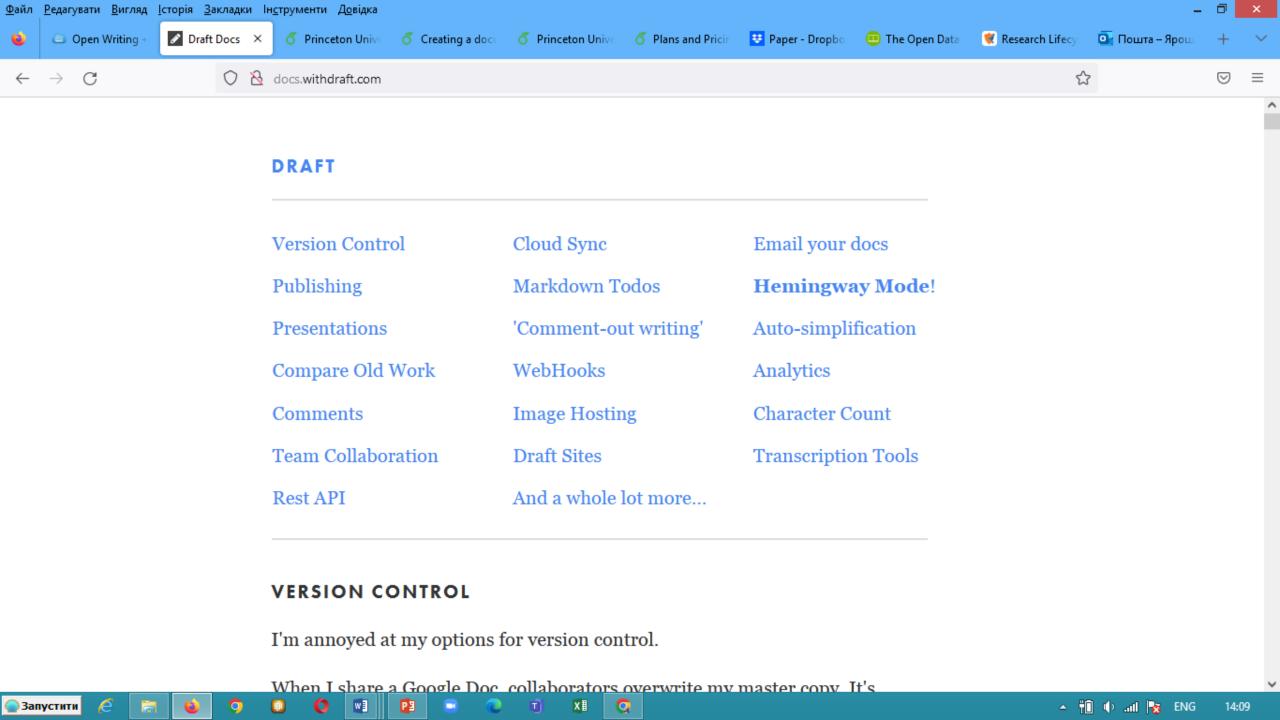
- An extension of the documents sharing platform Dropbox, the cloud-based Dropbox Paper adds new capabilities to simplify collaborative content writing.
- Dropbox Paper can be a good choice for keeping a project on track since it offers users the ability to make to-do lists and let other team members know when there's a task that needs attention.

### <u>Microsoft</u> Word Online

- A free, cloud-based versions of Word, Excel, and PowerPoint.
- Rather than store your files and documents on your computer, you save them to Microsoft OneDrive.
- Offers many of the same features and benefits as Google Docs, but there are a few compelling reasons to choose Microsoft's:
- 1) Office compatibility
- 2) "To do" comments
- 3) Group chats

<u>Draft</u> - <u>https://draftin.com</u>

- A writing tool that allows multiple collaborators to edit a document at the same time.
- An updated version of the document is created whenever someone's changes are accepted.
- Only the document's original author can accept or reject changes.
- Documents could be downloaded as a Microsoft Word file, saved as a Google Doc,or downloaded in Markdown format.



#### VERSION CONTROL

I'm annoyed at my options for version control.

When I share a Google Doc, collaborators overwrite my master copy. It's insanely difficult to accept individual changes they've made.

However, when you share your document using Draft, any changes your collaborator makes are on their own copy of the document, and you get to accept or ignore each individual change they make. Here's what that looks like:



# Overleaf - https://www.overleaf.com

Overleaf is an online LaTeX and Rich Text collaborative writing and publishing tool that makes the whole process of academic writing, editing, and publishing much quicker and easier.

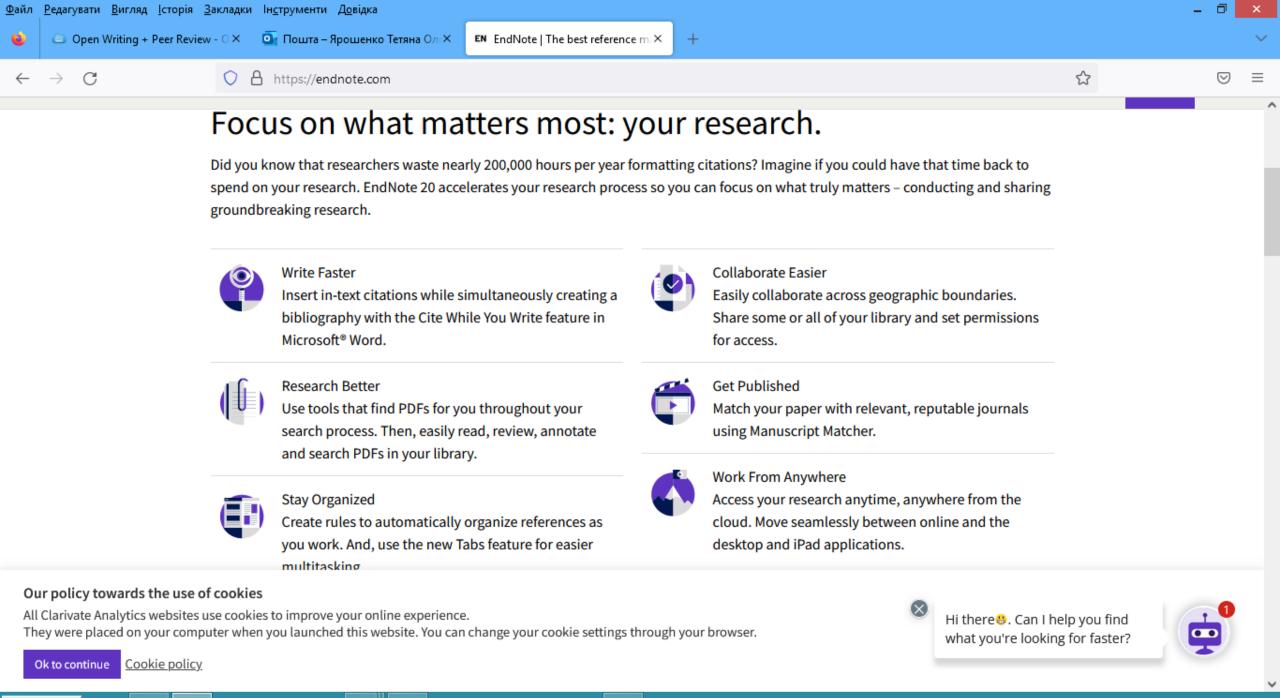
on-line LaTeX editing tool that allows you to create LaTeX documents directly in your web browser.

**LaTeX** — мова розмітки даних та пакет макросів <u>TeX</u> для високоякісного оформлення документів. Вважається стандартом для підготовки математичних і технічних текстів для публікації в наукових виданнях.



### **Etherpad**

- open-source tool allows writers and editors to collaborate in real time.
- Each person working on a document is assigned a specific color, making it easy to identify the contribution of each collaborator.
- Ethernet's interface is relatively basic compared to other tools, and it has fewer formatting features and a limited ability to include certain items like footnotes.





# Публікуємо

- ✓ Статті у наукових виданнях, включених до переліку наукових фахових видань України
- ✓ Статті в журналах, що індексуються WoS та Scopus
- ✓ Одноосібні монографії
- ✓ Патенти



Eng Укр











#### НАЦІОНАЛЬНИЙ УНІВЕРСИТЕТ «КИЄВО-МОГИЛЯНСЬКА АКАДЕМІЯ»

TEMPUS FUCIT. ACADEMIA SEMPITERNA

ГОЛОВНА КОНТАКТИ ПІДТРИМАТИ МОГИЛЯНКУ НОВИНИ КАЛЕНДАР ПОДІЙ



### KYIV-MOHYLA LAW & POLITICS JOURNAL

KYIV-MOHYLA SCHOLARLY PEER-REVIEWED JOURNALS

НАУКА В НАУКМА

Дослідження

Центри та лабораторії

Аспірантура / Докторантура

Видавнича діяльність

Дні науки (конференції)

Початок -- Наука -- ВИДАВНИЧА ДІЯЛЬНІСТЬ

#### Наукові журнали

Монографії, підручники

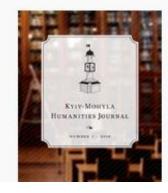
Видавнича рада

Редакційно-видавничий відділ

Видавничий Дім "Києво-Могилянська Академія"

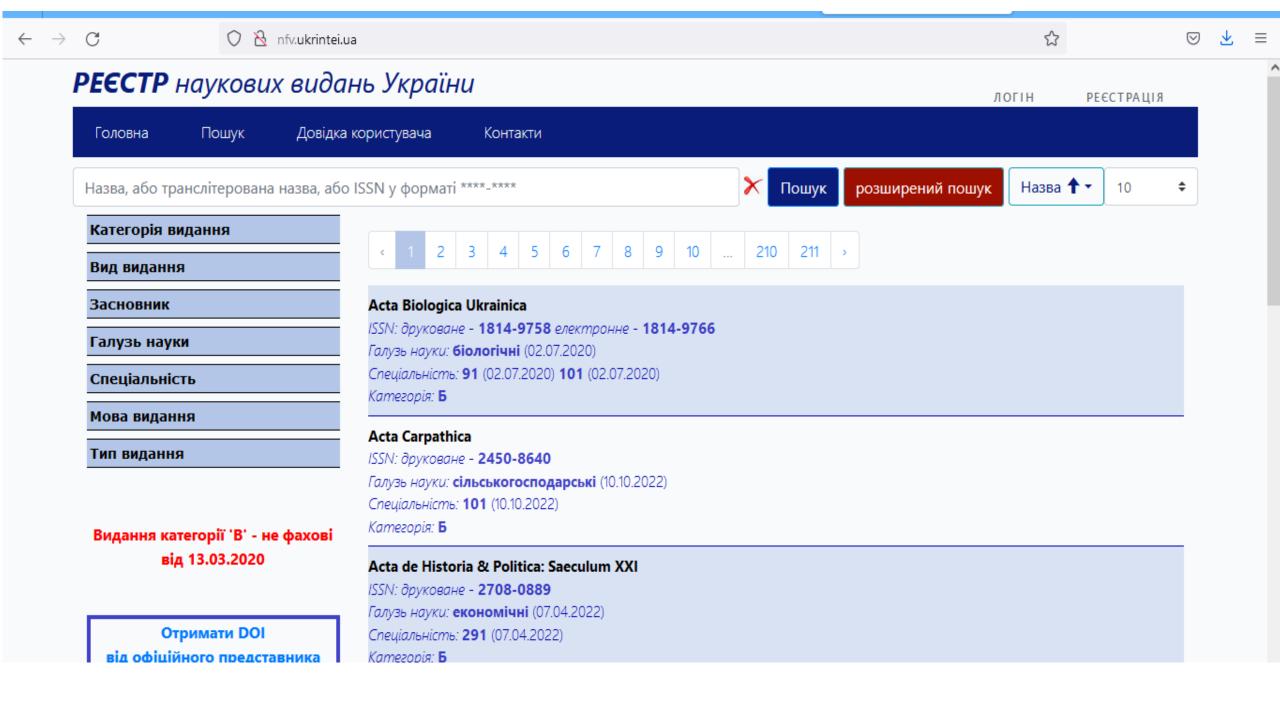
Публікації викладачів

#### Наукові журнали









### Де краще?

- Elsevier Journal Finder Elsevier Journal Finder helps you find Elsevier journals that could be best suited for publishing your scientific article. The Journal Finder uses smart search technology and field-of-research specific vocabularies to match your article to Elsevier journals.
- EndNote Match: Find the Best Fit Journals for Your Manuscript With a few key pieces of information—your title, abstract, and references—EndNote Match can help you find the right journal for your manuscript.
- Journal/Author Name Estimator (JANE)
- Publish or Flourish Open Access FlourishOA is a resource for identifying high-quality, high-value open access journals.
- Springer Journal Suggester Use the Springer Journal Selector to search for all Springer and BioMed Central journals to find a journal for your manuscript.
- Web of Science Master List The Web of Science Master list contains a list of approximately 24,000 journals indexed by the Web of Science platform. A manuscript matcher tool is also available.

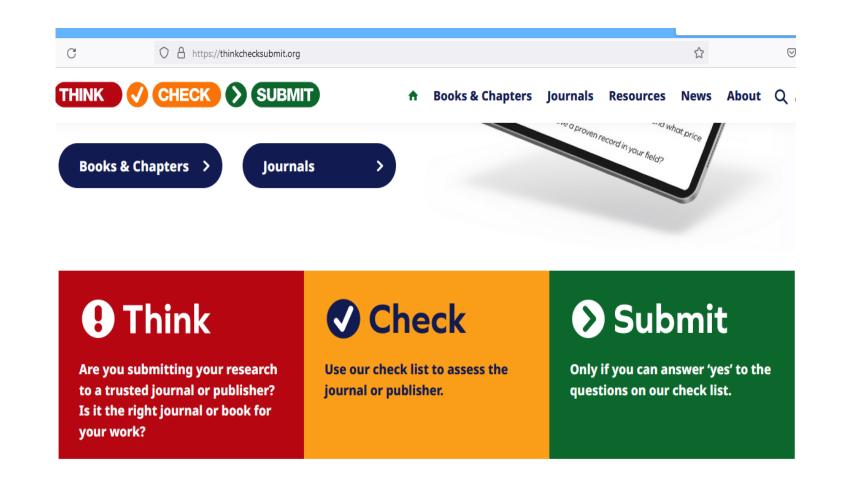
## SCImago

The SCImago **Journal & Country Rank** is a publicly available portal that includes the journals and country scientific indicators developed from the information contained in the Scopus® database (Elsevier B.V.).

### Think. Check. Submit

Think. Check. Submit - is a campaign to help researchers identify trusted journals for their research.

It is a simple checklist researchers can use to assess the credentials of a journal or publisher.



### Sherpa Romeo - https://v2.sherpa.ac.uk/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: Journal Title or ISSN.



#### Політика самоархівування

#### Препринт

Автор може депонувати препринт (версія документу перед експертним оглядом) у будь-якому сховищі з посиланням на видавця та журнал: ("Це препринт матеріалу, поданого для публікації в журналі "Мова: Класичне - Модерне - Постмодерне", що видаеться Національним університетом Киево-Могилянська академія).

#### Постпринт та авторська копія

Автор може депонувати постпринт (версія документу після експертного огляду, з внесеними правками) та авторську копію (машинопис остаточної версії документу) у будь-якому сховищі з посиланням на видавця та журнал: ("Це схвалена до друку рецензована версія статті. Опублікована версія статті доступна у журналі "Мова: Класичне - Модерне - Постмодерне" за посиланням http://dx.doi.org/[DOI cmammi]").

#### Версія видавця

Автор може депонувати опубліковану версію видавця (створений видавцем PDF-файл) у будь-якому сховищі та зробити його загальнодоступним з посиланням на видавця та журнал: ("Це опублікована версія статті, доступна у журналі "Мова: Класичне - Модерне - Постмодерне" за посиланням http://dx.doi.org/[DOI cmammi]").

### 10 Important Signs of **Predatory** Journals

- The publisher's name is similar to a well-known journal
- The journal has a .com domain name
- The journal's website is poorly designed
- The journal charges authors for publication
- The journal does not have a peer-review process

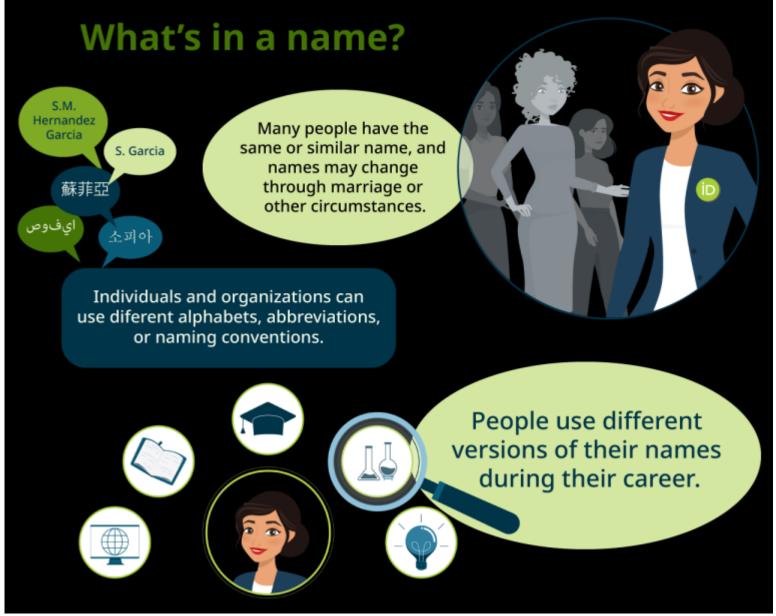
•

### 10 Important Signs of **Predatory** Journals

- The journal does not have an editorial board
- The journal's articles are not indexed in major databases
- The journal's articles are published without delay.
- The journal's publisher is based in a country with lax intellectual property laws

•





### Why do I need a unique ID?

- Author name is not always adequate for identification
- Research community can link an author to research and professional activity
- Makes your work discoverable, noticeable, more citations
- You may have published under different names
- You may have published from different institutions
- Change research direction or work in a different research teams
- Funders ask for a unique ID Publishers ask for a unique ID Institution requires a unique ID

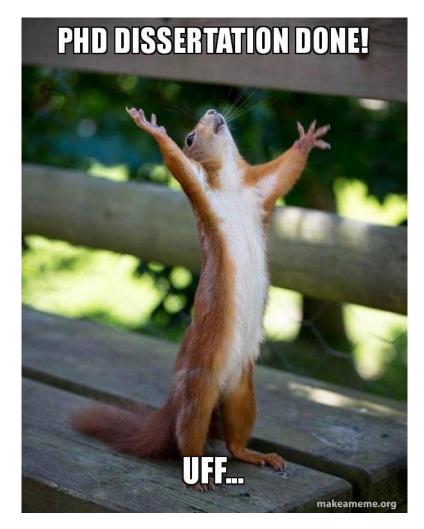
### Інтеграція наукових робіт дослідника в ORCID

- Sabina Auhunas. Інструкція https://zenodo.org/record/5549379#.Y4kN-uHMLDc
- Додавання статей з використанням постійних ідентифікаторів.
- Додавання статей у свій обліковий запис ORCID.
- Додавання статей прямим імпортом з інших систем.
- Імпорт та експорт статей з файлу BibTeX.
- Проблеми з BibTeX та їх усунення.
- Додавання статей вручну.
- Групування кількох версій однієї та тієї ж статті разом.
- Редагування статей.
- Довірені сторони в ORCID.
- Експертна оцінка в ORCID.
- Як додати членство або послугу у свій обліковий запис ORCID.

#### ЗБЕРІГАЄМО І ПОШИРЮЄМО

- Інституційні репозитарії
- Тематичні чи мультидисциплінарні репозитарії (ZENODO)
- Дослідницькі профілі (ORCID, Scopus ID etc.)
- Соціальні мережі
- Відкрите рецензування

Дисертація — лише початок Вашої дослідницької карєри та академічної репутації!





<u>Увійти</u>







English Українська

Головна сторінка eKMAIR

#### Електронний архів Національного університету "Києво-Могилянська академія"

#### Політики eKMAIR

#### Фонди

Виберіть фонд для перегляду його колекцій.

- 001. Факультет гуманітарних наук
- 002. Факультет економічних наук
- 003. Факультет інформатики
- 004. Факультет правничих наук
- 005. Факультет природничих наук
- 006. Факультет соціальних наук і соціальних технологій
- 007. Наукові підрозділи НаУКМА
- 008. Підрозділи НаУКМА
- 009. Дисертації
- 010. Конференції та семінари НаУКМА
- 011. Видання НаУКМА
- 012. Роботи студентів
- 013. Матеріали різних дослідників та організацій



#### Перегляд

Всі матеріали

Фонди та колекції

За датою публікації Автори

Назви

Ключові слова

#### Мій профіль

**Увійти** Зареєструватися

#### Перегляд

Автор

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Брюховецька, Лариса (171)

Manuallov Tayana (1/3)

### Тематичні репозитарії

- •arXiv is an e-print service in the fields of physics, mathematics, non-linear science, computer science,
- quantitative biology, quantitative finance and statistics
- •<u>Cogprints</u> psychology, neuroscience, and linguistics, and many areas of computer science, philosophy and biology.
- •<u>Humanities Commons</u> peer-reviewed journal articles, dissertations and theses; works in progress; conference papers; syllabi; abstracts; data sets; presentations; translations; book reviews; maps; charts; and more.
- PeerJ Preprints Biological Sciences, Environmental Sciences. Medical Sciences, Health Sciences,
- Computer Sciences.

### Тематичні репозитарії

- PubMed Central
- •RePEc (Research Papers in Economics) economics and related sciences.
- •ScienceOpen Preprints ScienceOpen offers a full suite of tools to peer review and curate preprints, ORCID and a Crossref DOI for a high level of discoverability. Any user on ScienceOpen can invite another researcher to formally review any preprint.
- •SocArXiv open-access, open-source, paper server for the social sciences. SocArXiv encourages linking and sharing data and code and that provides the foundation for a post-publication review system.

## Як знайти репозитарій?

- <u>Disciplinary Repositories Wiki</u> This list of OA disciplinary repositories (also called central or subject repositories) is available on the Open Access Directory (OAD) site.
- OpenDOAR (The Directory of Open Access Repositories)
- Zenodo. Open content from all fields of the sciences. Zenodo is derived from Zenodotus, the first librarian of the Ancient Library of Alexandria and father of the first recorded use of metadata, a landmark in library history.

# Зберігаємо, поширюємо....

# Academia.edu.

- established by Richard Price in 2008, is a networking site purely dedicated to academics.
- allows users to create personal profiles, follow and exchange messages with relevant fellow users, upload papers, request feedback and track measure papers' engagement/influence through analytics.
- Academia.edu users can connect with their colleagues from other social networking sites like Facebook, Twitter, Google, etc. through "import contact" feature.
- notification feature that alerts users through email whenever a researcher on their follow list publishes a paper.

### ResearchGate

- is a European commercial social networking site for scientists and researchers to share papers, ask and answer questions, and find collaborators.
- founded in 2008 by Ijad Madisch, Horst Fickenscher, and Sören Hofmayer.
- has analytics feature which enables users also receive analytics on their paper including the number of times their papers have been read and cited by other users on ResearchGate.
- Creating an account on ResearchGate is free. All ResearchGate members
  will be able to access content from the participating open access journals
- Many researchers and scientists will post PDFs of their articles on ResearchGate, so it is a source of free scholarly articles

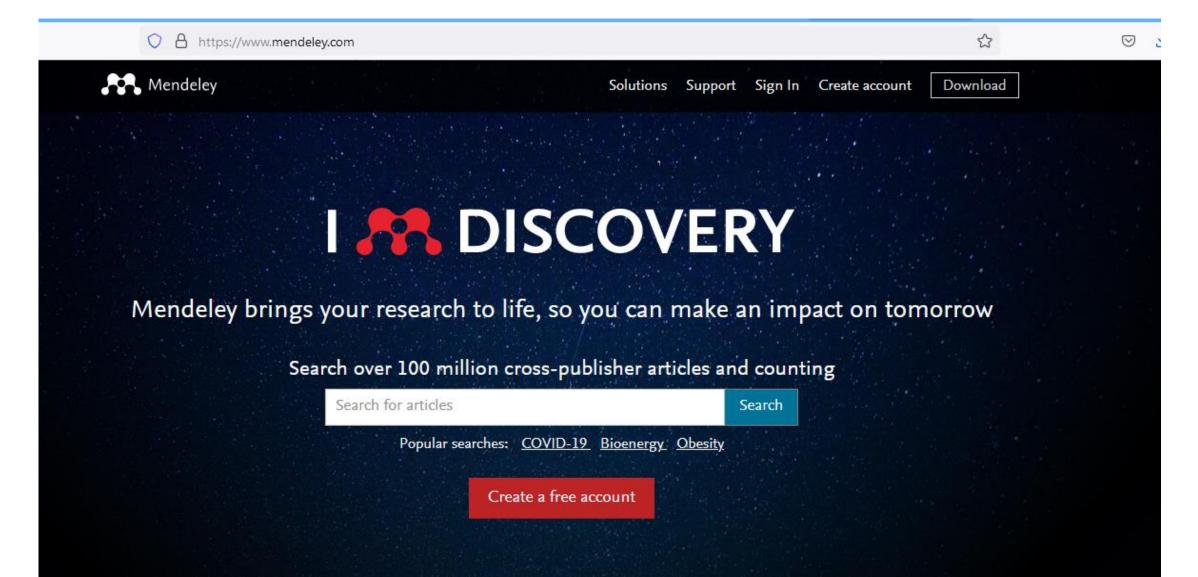
### Penprofile -www.penprofile.com

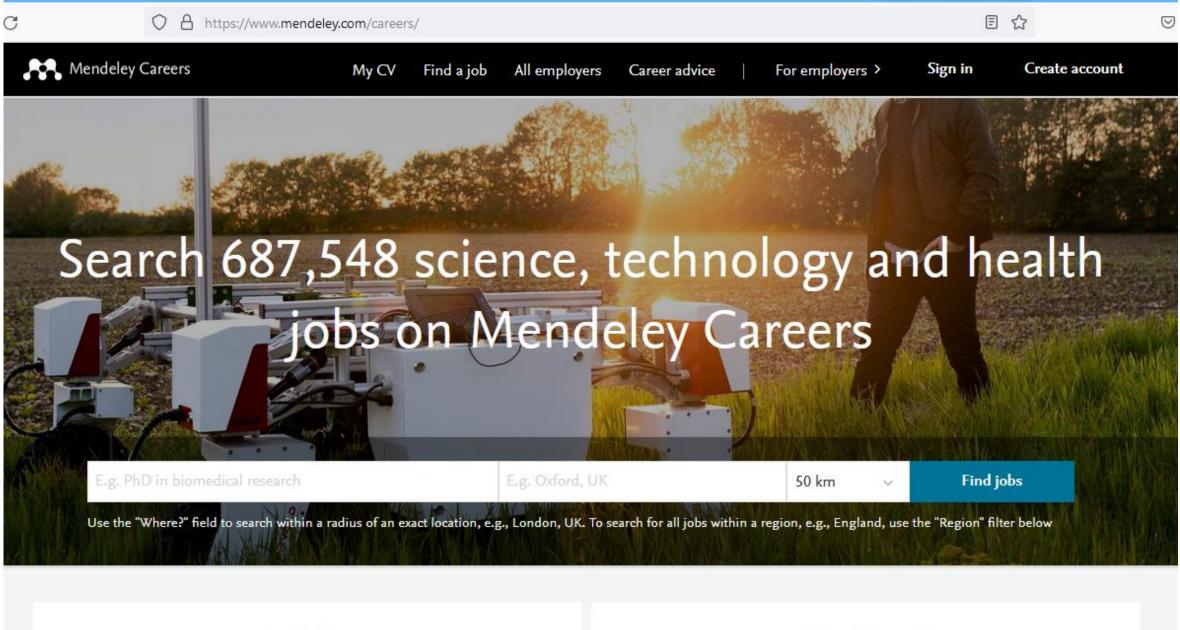
- is an academic social networking that fosters global (social) interactions among academics/scholars, students and educational organizations with a view to causing enormous diffusion of knowledge growth and development. It is open to everyone, and it presents a variety of useful features for networking and productivity.
- Penprofile uniquely blends social interactions with productive knowledge sharing and human resources development.
- It has robust inbuilt features/sections such as profile creation for individual and organization, a unique article/blogging platform, group creation, research reviews, academic news such as job placements, writing opportunities, call for papers, conferences etc.

### LinkedIn

- LinkedIn a networking platform where individuals and companies connect for purposes of fostering working relations, employment opportunities, skills acquisition, and knowledge sharing, etc.
- Although LinkedIn accommodates all professions, it has proven over time to be a viable platform for academic scholars.
- LinkedIn was founded in 2002 and operates from the website, www.linkedin.com, and mobile app.

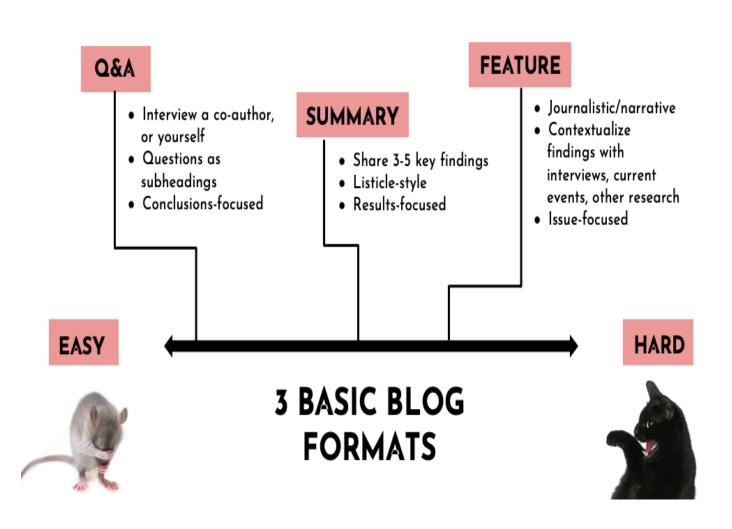
## Mendeley





### Blogging your research

- https://twitter.com/research blogs
- https://twitter.com/research blogs
- ResearchBlogging.org



### Blogging your research

- Iva Cheung (Publishing; Communication; Knowledge translation)
- The Saucy Scholar (Women's & Gender Studies; Critical Cultural Studies; Queer Scholarship)
- Feel Healthy with Dr. Scott Lear (Health science)
- ScholCommLab Blog (Scholarly communication; Science communication)
- Knowledge Nudge (Knowledge Translation; Healthcare)
- <u>Black Perspectives AAIHS</u> (Black Intellectual History; Diverse fields)
- LSE Impact Blog (Scholarly communication; Social sciences; Academic impact)
- <u>Digital Orientalist</u> (Digital Humanities; Cultural Studies; Various disciplines)

### Ділимось презентаціями, постерами...

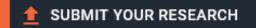
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Imaging Data: Adding a new type of annotations to 3DBionotes-WS

Carolina Simón Guerrero, Jose Ramon Macias, Erney Ramírez-Aportela, Jose Luis Vilas Prieto, Marta Martinez Gonzalez, Carlos Oscar Sanchez Sorzano and Jose Maria Carazo

Spanish National Bioinformatics institute (INB ELIXIR-ES). Biocomputing Unit, National Centre of Biotechnology (CNB-CSIC). Instruct Image Processing Centre

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3DB(contex-WS (Mactas et al., 2021) is a set of Web Services that provides multiple annotations oriented to structural biology analysis give a website interface that includes a 3D viewer for macromolocular models and Crys-EM derived mage.

1 is 1

Current associations include domain families, generale variations associated with diseases, instead optiogs sites, short linear motifs, disordered regions and post-tensiational modifications that can be engineed interactively at the appeared and structural level.

After the COVID-19 outbraik, says access to SASS-CoVID data and other related virtuals became key to enabling the early development of vaccines and potential antiviral drugs. Aloning to collect and provide all available interteal information, a new accise, was not up on 2000 notest-Vall the COVID-19 Structural Nation.

Atomic models from the Protein Data Bank (FDB) and volume mage from the Electron Microscopy Database (EMDB) are displayed here







66 CITE

#### PSYCHO-EMOTIONAL ASPECTS OF BACK PAIN SYNDROMES.

ass. prof. N. Bozhenko, M. Bozhenko

Lviv National medical university named after Danylo Galytsky, Dep. Of Neurology Lviv, Pekarska st., Ukraine



#### Actuality

Actuality: Low back pain syndromes, expecially the chronic ones, are the important link in neurology. Response to the same pain etimulus may vary depending on genetic propositiy, cultural traditions, ago, see and some other factors. Human being in the social enceture, therefore recently bloopsycho-ascial concept of pain becomes the focus of research (A. Danilov, A. Danilov, 2012). Psychosocial thetors like four, assisty, depression certainly influence the pain's perception.

Pain should be constidered as personal experience that develops not

only due to physical pathology, but as consequence of person's attitude towards disease, provious experience, described in terms of sensory and emotional diseasers. According to the definition of the International association of pain research pain is the unpleased constitutes and emotions related to evident or possible disease of different body tissues (Merskey and Bogduk, 1986, p.217). So study of the psycho-emotional state of patient assumes utmost actuality.

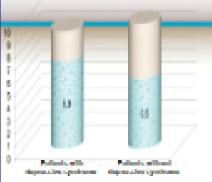
#### Goal

Study of psycho-conotional state of patients with, low back pain syndromes and determination of their contribution to the signs of pain syndrome.

#### Matherials and methods

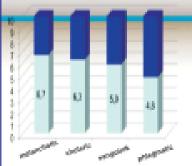
We examined 23 gattents with lumbo-meral radiculogathies. Features of the psycho-emotional state were examined using Hamilton scale and anniety self-assessment scale (O.Chaban, E. Haustova). Pain syndrome was assessed using VAS, DN4 and PainDetect scales.

# Pain syndrome according to VAS



According to the VAS scale gain syndrome was 6,94-0,3 among the persons with depression and 5,54-0,2 among the persons without depression. Among the gatients with duration of gain syndrome more than 2 months neuropathic elements appeared in the structure of the gain tradicular syndrome that were assessed according to questionartic DN4 and PainDetect.

#### Trends in pains syndrome appearance



Psycho-carotional disorders were evident among the persons with choleric and unclassibility type (according to the Aisenk questionarie). In case of melancholic type pain syndrome course was observed in 794 cases associated with degreesion, among the sangvisites it was not very evident. Pain syndrome evidence had the next trends: it was higher in melancholic and choleric type (6,74–0,2 and 6,34–0,2 respectively) and lower in sanguistic and philogenatic type (5,94–0,2 and 4,84–0,5 respectively).

#### Patients with depressive syndrome



Depressive disorders were observed among 55% patients and presented through low working capacity, sloop disorders, low mood, aniety, tracion, sense of fear, autonomic disorders.

#### Conclusions

Pshycho-conotional disturbances presented as depressive and ancious signs is the typical feature in some patients with chronic spinal pate.

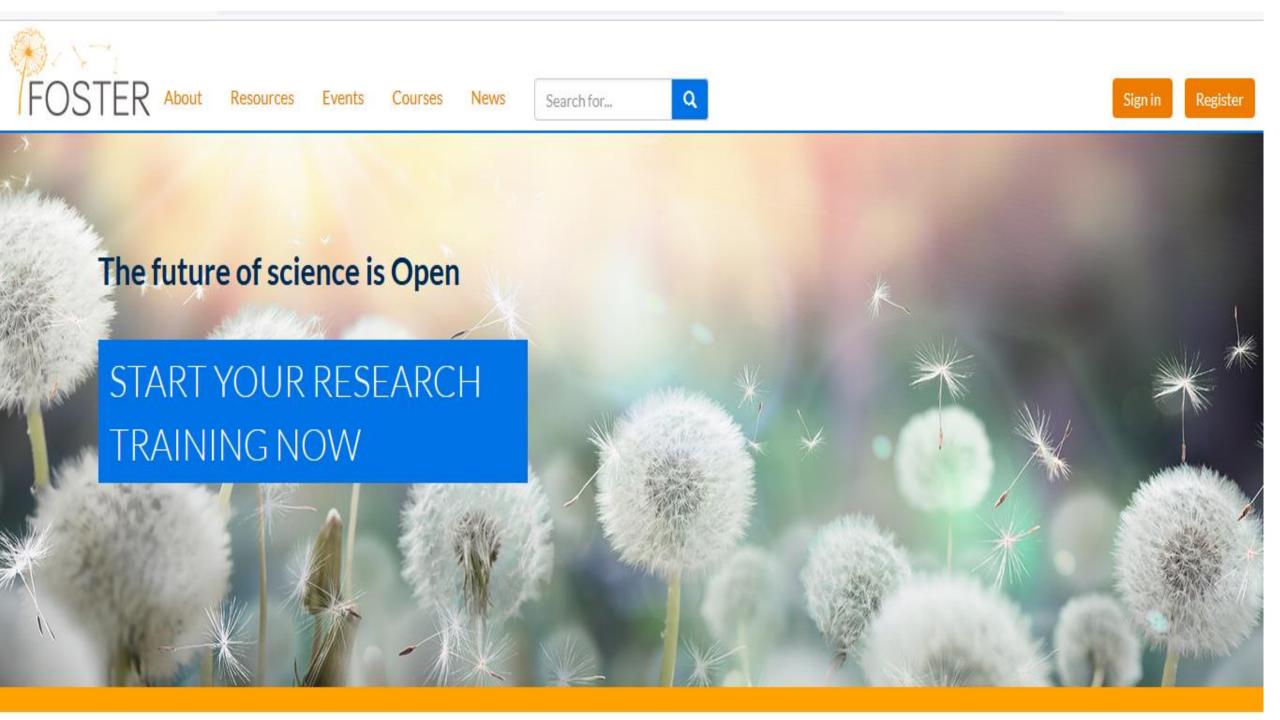
They influence the intensity, emotional background of pain syndrome and support the importance of psychogosic factors in pain's pathogosicis. Individual typological hallmarks and bio-psycho-accial status of the patient may be considered as principal constitutional component in clinical and pathogosotic mechanisms of chronic spinal pain. Taking into account psycho-emotional features of pain preception would contribute to optimization of the thoragy and rehabilitation among the patients with chronic spinal pain.

#### Results

Disorders like degressive syndrome were observed among 53% gatients, they were presented as decrease of work capacities, sleep disorders, low mood, anxiety, sense of strain, fear, sutonomic disturbances. Pain syndrome according to VAS was 6,9±0,3 in persons with degressive signs and 5,5±0,2 in persons without the latter. Among the persons with duration of the gain syndrome 2 and more months neuropathic elements developed that were assessed according to guestionnaire DN4 (35%). Psycho-emotional disorders were very evident among patients with choleric and melancholic type (according to Aysenk guestionnaire). Among persons with melancholic temperament course of gain syndrome was overlapped with degressive signs in 75%, among patients with sanguinic temperament it was not the case. Intensity of the pain syndrome was associated with the next trends: It was higher in persons with melancholic and choleric type (8,7±0,2 and 6,3±0,2, respectively), and lower among persons with sanguinic and phlegmatic type (8,5±0,2 and 4,8±0,3, respectively).

# Додатково

Корисні ресурси













UKMA: SCDA101

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Переглянути курси

Зареєструватися

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UKMA

Зареєструйтесь зараз



#### ПРО ЦЕЙ КУРС

Цей курс розроблений викладачами та співробітниками Національного університету «Києво-Могилянська академія» у співпраці з компанією «CLARIVATE ANALYTICS», ГО «ЕЛІБУКР» та проєктом «FOSTER».

Для кого цей курс?











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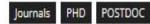
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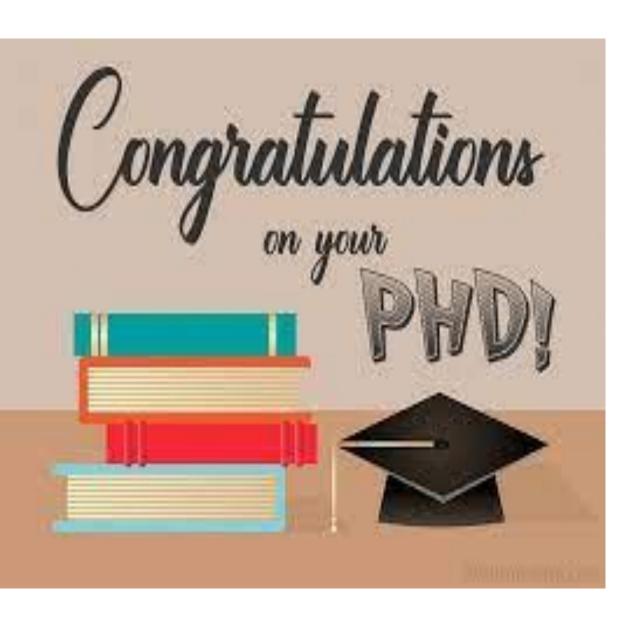












### УСПІХІВ!

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