**2023/24 II. PhD intensive course**

**LITERATURE SEARCHING, EFFICIENT PUBLISHING STRATEGY**

**March from 18 to 27th 2024**

Semmelweis University Central Library
Zoom

**Syllabus**

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| **MODULES** | **Date** |
| 1st module**8.00-9.00**VPN access, Remote database access **9.00-13.15**The role of Artificial Intelligence in medical research, dissemination. Application of language models (ChatGPT, etc.)Semmelweis Knowledge BaseOpen Science, Open AccessIntroduction: Homepage of Central Library  | **18th March 2024****Monday**8.00-13.15(breaks: 9.30-9.45, 11.15-11.45) |
| 2nd module**8.00-13.15**Keywords for research topics, currently used sourcesProgramme of the course, requirements, expectationsDissertation databasesCatalogsScientific journals: types of publications, structure of scientific publicationsPrinted versus electronic edition, open access, video journalSURF, SPONET, SPORTDiscus, Taylor&Francis databases | **19th March 2024****Tuesday**8.00-13.15(breaks: 9.30-9.45, 11.15-11.45) |
| 3rd module**8.00-13.15**Reference managers:8.00-9.30For beginners: how to export and import records in EndNote (eg. from PubMed, Web of Science Core Collection, Scopus databases)9.45-13.15- EndNote online and EndNote desktop, - literature searching - data handling: creating groups, filtering duplicates- creating bibliography in Word based on the collected data of reference managers using Cite While You Write (CWYW) application - Mendeley, Zotero: export/import options, creating folders/groups, filtering duplicates, using web application, and Word plugins | **20th March 2024****Wednesday**8.00-13.15(breaks: 9.30-9.45, 11.15-11.45) |
| 4th module**8.00-12.15**EMBASEEvidence Based Medicine - Cochrane LibraryWHO homepage, International and Hungarian statistical dataEBSCO: CINAHL with Full Text, PsycINFO; EBSCO Discovery Service | **21st March 2024****Thursday**8.00-12.15(break: 10.00-10.15) |
| 5th module**8.00-11.00**Editing MTMT datasheets, listing identifiers, organizing your own publications | **22nd March 2024****Friday**8.00-11.00 |
| 6th module**8.00-13.15**Introduction of bibliographic and citation databases:Web of Science (Core Collection), Scopus, Dimensions, Google Scholar- Searching of bibliographic items and citations based on keywords- Value-added servicesAuthor IDs: Web of Science ResearcherID, Scopus ID, Google Scholar ID etc. | **25th March 2024****Monday**8.00-13.15(breaks: 9.30-9.45, 11.15-11.45) |
| 7th module**8.00-13.15**Journal quality, Scientometrics: Impact Factors (IF), SCImago SJR, CiteScoreThe basic of literature searching:National Library Medicine, Entrez-databases, PubMed, analysis of a record Registration - value added services, my NCBI, advanced search, Boolean operators, MeSH browser, PMC, PubChem etc.ProQuest CentralEfficient publishing strategy | **26th March 2024****Tuesday**(breaks: 9.30-9.45, 11.15-11.45) |
| 8th module**8.00-12.15**Searching for information and scientific literature on the Internet.Exploration and usage of scientific internet resources: introduction to specific search engines; deep web exploration, application of meta- and graphical search engines, introduction to semantic search.Introducing Open Access bibliographic databases (Google Scholar, Semantic Scholar). Creating “toolkit” to interactive scientific communication; RSS, wiki, blog, Podcast and scientific file sharing (SlideShare, SlideServ), as well as demonstrating the usefulness of scientific social networking; ResearchGate, Publons ID, Academia.edu, MedShr etc.Discussion on the basic requirements (form and contents) of the final exam presentation with consultationThe role of Artificial Intelligence in medical research, dissemination. Application of language models (ChatGPT, etc.) | **27th March 2024****Wednesday**(break: 10.00-10.15) |
| 9th module **8.00-10.00**The time for consultation in relation to the presentation shown on the modules (online or personal attendance) | **28th March 2024****Thursday** |
| Exam: PPT presentations (online or personal attendance)  | **April-May 2024** |

**Prerequisite for 3 credit points:**

* Preparation of a lecture (presentation) according to the following points (the structure, the order of the slides are freely chosen, but it must include the listed topics; max. 25-30 slides, using animation
* The finished presentation should be sent to the e-mail address of Dr. Lívia Vasas (vasas.livia@semmelweis.hu), no later than 4 working days before the exam: after two successful pre-judgement the subject cannot be passed.
* Hungarian University of Physical Education and Sports Sciences PowerPoint Template

**I. Introduction**

1. Presentation of the topic: little text, more pictures, indication of the source of the pictures

2. Graduation requirement - imaginative representation not copying

3. Keywords on the topic

4. Search for dissertations (OpenDissertations, OADT)

**II. Literature search in key sources**

1. WoS

2. Scopus

3. PubMed (Setting Standard and Custom Filters)

4. PsycINFO, CINAHL, and ProQuest - use if you are hoping for new results on the topic

5. SPONET

6. SPORTDiscus

7. SURF

8. Taylor&Francis

Tabulate the results and evaluate them from 1 to 5

**III. Open Access resources**

Main OA databases;

1. Google Scholar

2. Semantic Scholar

Tabulate the results and evaluate them from 1 to 5

Specific OA sources

1. DOAJ

2. ScienceOpen

3. worldwidescience.org

4. Dimensions

5. Carrot2 (comparing the graphical results of PubMed and Web Search)

6. Paperity

7. Deepdyve

8. The Lens

9. CORE

10. BASE

Tabulate the results and evaluate them from 1 to 5

Topic related OA databases

1. ERIC

2. PubPsych, PubChem

3. FSTA… etc.

Tabulate the group separated search results and compare databases by quality and quantity.

**IV. Special Resources and Relevant Resources Used in Your Topic**

1. Presentation of Trip database, MedWorm, WHO, International and Hungarian statistical data

2. Video splitters, and JOVE

3. Lectures (SlideShare: login, language setting (English), SlideServe PPT search… etc.)

4. Scientific mobile applications; e.g. ScienceJournal, Elsevier Conferences, Research Tool, Arduino Journal, etc.

5. Own topic sources, other databases you use

6. In the presentation, present statistical data related to your topic, based on the statistical sources presented.

**V. Publishing strategy, journal analysis**

1. JANE

2. Master Journal List Match Manuscript

3. Elsevier JournalFinder

**VI. Bibliometrics**

- JCR (presentation of 3-4 year trends of several selected journals)

- SCIMAGO

- Scopus Sources, Scopus CiteScore

**VII. Reference managers**

EndNote or Zotero or Mendeley… etc. demonstration of active use, at least 100 items (formation of deduplication groups)

**VIII. Active use of scientific community sites (author IDs)**

1. ResearchGate - key social networks

2. Mendeley

3. Google Scholar

4. ORCID

5. ResearcherID

**IX. Presentation of the MTMT data sheet**, uploading at least 3 author IDs (link to your own interface)

**X. Experiences, suggestions, summary**