

# Find, Manage & Publish academic literature

August 2024 – content subject to change

PhD-course for beginning PhDs at the Faculty of Science.

Time: 2x 4 hours meetings

Self-study and assignments

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## Preparations for Day 1

Before we start day 1, we ask you to do some self-study and make a few assignments regarding literature search and reference managers. This way, everybody will have more or less the same level of expertise regarding literature search and reference management when starting the course.

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## DAY 1: FIND & MANAGE ACADEMIC LITERATURE

Search techniques & search strategies
Reference management
Parallel class 1
Parallel class 2
Parallel class 3
Copyright in Education
Evaluation

### Search techniques & search strategies

In this interactive presentation we dive into advanced, systematic literature search. You can make sure you are (and stay!) up to date with the most recent relevant literature by using a decent search string on your topic. How do you identify gaps in the field of research you are working in? And how do you avoid way too many (irrelevant) results? We will discuss some cases and you will work on your own search string.

### Reference management

A reference manager is indispensable during your PhD. After you have mastered the basics, we will shortly go over some important and interesting features of EndNote and Zotero. In the assignments of day 1, you will practice yourself and find out more about the possibilities of your reference manager.

### Parallel classes

#### **A: Thesauri and their databases: PubMed/Greenfile/ERIC/PsychInfo/EMBASE**

*Useful for scientists in the following fields: environmental science, medicinal chemistry/biology, Science in Society, Science Education*

A thesaurus is a powerful tool, making your literature search a lot more efficient by yielding more relevant results. Learn how to use thesauri efficiently to improve your literature search. Depending on the background of the participants, we will dive into the relevant databases.

#### **B: Reaxys & Science of Synthesis**

*Useful for scientists in the fields of organic chemistry or related fields where molecular structure search and reaction search is useful.*

Reaxys and Science of Synthesis are databases in which you can search for a molecular structure and even a complete chemical reaction. They offer immediate information on reaction conditions without the need to open the PDF.

## C: VOSviewer & Research Rabbit

*Useful for all scientists*

With these 2 programs, you get insight into connections between (bodies of) literature articles. With just a few clicks, you find new, relevant literature.

## D: (AI/screening) literature tools

*Useful for all scientists*

Details will follow later

## Copyright in Education

What can you share in education?

## Evaluation

We love to hear your feedback!

## Assignments & preparation day 2

All information and assignments are in BrightSpace. You now have 2 weeks to finish the assignments of day 1 and prepare for day 2 with a self-study module.

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## DAY 2: PUBLISH YOUR RESEARCH

Recap day 1
Research Data Management & data stewards
Publishing open access
Predatory publishers
Where to publish
Author ID's & alternative metrics
Evaluation, finish assignments

### Recap day 1

### Publishing open access

Learn more on open access and Plan S. Find out how you can check if the university has a deal with your favorite journal regarding publishing open access. Learn about the possibilities to keep the copyright on your own work when publishing.

### Predatory publishers

Along with the open access movement, predatory publishers emerged. Some are easy to spot, but others... Learn how to recognize shady publishers and see what is happening in the dark corners of the publishing world.

### Where to publish

How do you choose a journal that fits the scope of your article? We offer some tips to help you find the right one and check the reputation of journal you have never heard of.

### Research Data management & Data stewards

How do you manage your research data? RU policy is (amongst other things), research data should be available for at least 10 years after you've finished your PhD. Why? How do you make sure they are? Where do you store them safely? And how can 'research data management' help you *during* your PhD?

## Author ID's & alternative metrics

Learn how an author ID can make your academic life easier and how you claim the one(s) that are already secretly created for you...

We will also offer you some insight into alternative metrics. What are they and why are they (going to be) important?

## Evaluation

We love to hear your feedback!

## Finish assignments

You will have until 6 weeks after the course to finish the assignments. Don't forget to check our feedback in Brightspace. Of course you are always welcome to ask your questions, also after the course. We are happy to help!

Contact us:

Team Library of Science

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