

Thursday Lunch, May 15, 2025

Focused Topic Session

Room Town & Country B - Session FTS-ThL

Focused Topic Session II

12:20pm FTS-ThL-1 Elsevier Focused Topic Session: The World of Scientific Publishing: Perspective from an Author, Reviewer and Editor, *Marcus Hans*, RWTH Aachen University, Germany

Many people tend to associate scientists with fancy experiments, complicated equations as well as abstract computer models. However, also communication of the gained knowledge is of pivotal importance for researchers to create professional networks with academia as well as industry, acquire funding and attract talented staff for new projects. Publishing research articles in peer-reviewed, international journals is a cornerstone of effective communication.

Within this workshop, addressed to early career researchers, an introduction of the publication workflow will be provided and the different stages will be explained. Important aspects for authors will be covered such as storytelling, artwork and journal-specific guidelines. Different models of scientific publishing, including subscription and open access, will be presented and best practices for having a manuscript accepted will be provided. In addition, publishing ethics and the usage of artificial intelligence in publishing will be discussed.

Having an article published in a scientific journal, sooner or later authors become reviewers. Reviewing for a journal has multiple advantages such as being one of the first readers of innovative approaches, contributing to quality control of scientific publishing as well as thinking outside the box. The expectations of journal editors for high quality reviews will be discussed and in turn this knowledge helps authors to critically revisit their manuscript towards increasing the chances for acceptance in a scientific journal.

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