



**Study program:** Doctoral Academic Studies in Biomedical Sciences

**Name of the subject:** HOW TO WRITE, PUBLISH AND REVIEW A SCIENTIFIC ARTICLE

**Teacher(s):** Oto F. Barak, Nataša B. Milić, Biljana A. Vučković, Bojan M. Zarić, Dragana T. Milutinović, Lazar U. Velicki, Nebojša P. Stilinović, Bojan B. Petrović, Ljubomir M. Petrović, Maja J. Grujičić, Dragana D. Četojević Simin, Nataša Milošević

**Status of the subject:** compulsory

**Number of ECTS points:** 10

**Condition:** -

**Goal of the subject**

Theoretical and practical introduction to the rules of how to prepare and present results at a conference and how to write and publish a scientific article.

**Outcome of the subject**

*Knowledge:* The student will be introduced to the types and ways to present of papers from preparation to presentation, as well as the types of scientific papers and the rules of how to write papers for professional and scientific journals and doctoral thesis.

*Skills:* The student will master the technique of presenting papers from preparation to presentation and defense. The student will be introduced to the types of scientific meetings and how to present at them. The student will master the technique of writing papers and doctoral dissertation according to all rules of logic-based procedures.

**Content of the subject**

*Theoretical lectures*

1. The importance of communication in science
2. Scientific and professional work. Types of scientific publications and papers
3. Types of scientific meetings
4. Basic rules for writing an abstract for a scientific and professional conference and the most common mistakes -  
Lectures 3 hours
5. Abstract structure (title, authors, introduction, material and methods, results and conclusion)
6. Rules of oral presentation at scientific meetings
7. Discussion of a presentation and its importance
8. Poster presentations and poster sessions
9. Publication of papers
10. Preparation of a paper for publication, how to choose a topic of work for publication
11. Reading skills. Style and language of scientific paper
12. Parts of a publication
13. Title of a paper, authorship and co-authorship
14. Abstract of publication, keywords
15. Introduction, material and methods
16. Results, discussion and conclusion
17. Original papers, review articles and case reports. Other types of scientific papers
18. Doctoral thesis
19. Review of manuscripts and its importance. Corrections in papers. Communicating with the Editor
20. Citing literature in a manuscript, list of literature
21. Journal search
22. Evaluation of a scientific articles. Citing & Citation index

*Practical lectures*

Analysis of abstracts for professional and scientific meetings. Writing abstracts for a scientific and professional conference under the supervision of a teacher and independently. A critical evaluation of one's work. How to prepare a work for presentation at meetings. Oral presentations. Discussion. Poster preparation - basic rules and how to present a poster. How to act at oral presentations and poster presentations. Analysis of scientific papers. Spotting errors in papers. Writing papers under the supervision of a teacher and independently. A critical review of one's own work. Review of scientific papers. Doctoral thesis, preparation, writing, corrections, presentation, defense. Exercise on examples. Citing literature.

**Recommended literature**

*Compulsory*

1. Day RA, Gastel B. How to Write and Publish a Scientific Paper. Cambridge University Press, UK, 8th ed, 2016.
2. Mack CA. How to Write a Good Scientific Paper. SPIE Press, WA, USA, 2018.

**Number of active classes**

**Theory: 45**

**Practice: 45**

**Methods of delivering lectures**

Lectures, seminars, labworks

**Evaluation of knowledge (maximum number of points 100)**

activity during lectures: 20

labwork: 20

written exam: 30

oral exam: 30