



## Can you write a scientific paper?,

2ECTS

### General information

Language: English

Winter Semester

ECTS: 2

Lecturers: **Prof. Dr Aleksandar Takači, full professor, Faculty of Technology, University of Novi Sad**

**Prof. Dr Ivana Štajner-Papuga, full professor, Faculty of Sciences, University of Novi Sad**

### Day I

#### Introductory part

- Students are encouraged to share their current experiences with scientific writing. All comments are welcome.
- Group discussion on difficulties so far encountered by students.
- Discussion on why scientific papers are needed, impact on personal career and research community in general.

#### **Part I** - Preparation of a scientific paper – the step by step overview:

- background research - discussion on primary goal, objectives, expected results, indicator of success
- literature search – forward search, backward search, people search; examples; online access (scopus, researchgate, sciencedirect, google scholar, dblp, IEEE data base, etc)
- formulation of the main topic
- realization – brainstorming, elaboration of the research topic and results - group and individual approach for generating a large number of ideas solving the problem
- realization – writing of the paper
- publishing

**Group work I** – Students are divided into groups (groups are formed so that group members are from different research fields) and asked to come up with a group topic and to perform a background research, literature search, formulation of the main topic and brainstorming.

**Part II** - Manuscript structure – step by step

Discussion on Introduction, Literature overview, Materials and Methods (Preliminary notions and definitions), Results, Discussion, Conclusions, Acknowledgement, Appendix, References.

**Homework: Examples of scientific papers are given to students to study for tomorrow.**

**Day II**

**Part III** – Title, Abstract, Key words - the important “selling points” of a paper

Discussion on how to write a good abstract, formulate an efficient title and choose key words that will increase the visibility of a paper.

**Group work II** – Students are asked to critically discuss papers that they have studied as homework

**Group work III** – Students are again divided into groups (as in group work I) and their task is to formulate a title and to write an abstract on topic chosen. When finished, the abstracts are presented to the whole group for discussion.

**Part IV** – Ethics: authorship, plagiarism, predator journals, fabrication

**Part V** – Publishing process

**Part VI** - Scientific English

**Entry requirements**

To be student of Master or PhD level of the universities partners in the EUGLOH projects.

**Further Information**

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