



ЦЕНТЪР ЗА ОБУЧЕНИЕ – БАН

1000 София
ул. „Сердика“ № 4
<http://edu.bas.bg>

email: tdc-phd@cu.bas.bg
тел.: 02 987 31 67
02 979 52 60

Basic Information:

Course Title: How to write a research paper: Practical skills and techniques.

Lecturer: prof. Stoyan Nedkov

Phone: 0877690207

Email: snedkov@gmail.com

Total Teaching Hours: 30

Annotation (up to 150 words)

The main objective of the course is to give the PhD students knowledge on the basic principles and practical techniques in the preparation of scientific publications. The first module of the course deals with the basic principles in the process of scientific publishing activity: the need for publication, the types of scientific articles, the features of each of them, the principle of operation of scientific journals, the review process. The second module examines the structure and elements of a scientific article. The third module presents the stages through which the development of a scientific article goes with practical guidelines for working on each of them. During the course, participants will acquire practical skills in writing a scientific article by developing their own publication.

Course content (brief description by topics or modules)

Module I. Basics of publishing activities

1. Practical steps in the scientific process
2. The international publishing system
3. Scientific journals and publications
4. Main stages of the publication process

Module II. Development of a scientific publication

5. Preparation and layout of the structure
6. Title, introduction and methodology
7. Layout and presentation of results
8. Conclusion, literature and abstract

Teaching and assessment methods

In-person, online or mixed.

Exam in the form of solving a practical problem.

Competencies acquired as a result of training (3–5 points)

Knowledge of the basic principles and functioning of the scientific process.

Knowledge of the basic rules for structuring, formatting and writing a research paper

Skills structuring a scientific question, scientific contributions, goals and objectives of the scientific publication.

Skills for structuring and formatting a scientific article. Knowledge and skills for formatting the individual elements of the scientific article in accordance with world standards.



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Literature:

- Alderson D (2015) What to publish. *The Annals of The Royal College of Surgeons of England* 97: 169–172. <https://doi.org/10.1308/003588415x14181254788926>
- Barbour V, Astaneh B, Irfan M (2016) Challenges in publication ethics. *The Annals of The Royal College of Surgeons of England* 98: 241–243.
- Dwivedi YK, Hughes L, Cheung CMK, Conboy K, Duan Y, Dubey R, Janssen M, Jones P, Sigala M, Viglia G (2022) Editorial: How to develop a quality research article and avoid a journal desk rejection, *International Journal of Information Management*, Volume 62, 2022, 102426, ISSN 0268-4012, <https://doi.org/10.1016/j.ijinfomgt.2021.102426>
- Ecarnot, F., Seronde, M., Chopard, R., Schiele, F., & Meneveau, N. (2015). Writing a scientific article: A step-by-step guide for beginners. *European Geriatric Medicine*, 6(6), 573-579. <https://doi.org/10.1016/j.eurger.2015.08.005>
- Hirsch JE (2005) An index to quantify an individual's scientific research output. *Proceedings of the National Academy of Sciences* 102: 16569–16572. <https://doi.org/10.1073/pnas.0507655102>
- Hopewell S, Clarke M, Mallett S (2005) Grey Literature and Systematic Reviews. In *Publication Bias in Meta-Analysis* (eds H.R. Rothstein, A.J. Sutton and M. Borenstein). <https://doi.org/10.1002/0470870168.ch4>
- Rallison S (2015) What are Journals for? *The Annals of The Royal College of Surgeons of England* 97: 89–91. <https://doi.org/10.1308/003588414x14055925061397>
- Shah J (2015) An author's guide to submission, revision and rejection. *The Annals of The Royal College of Surgeons of England* 97: 546–548. <https://doi.org/10.1308/rcsann.2015.0046>
- Benson P (2016) Seven sins in publishing (but who's counting...). *The Annals of The Royal College of Surgeons of England* 98: 1–5. <https://doi.org/10.1308/rcsann.2016.0046>

Additional information (optional) (e.g., special requirements, laboratory equipment, prior knowledge)

It is recommended that students have a conducted research on which to develop a concept for a scientific article.

Provided on a personal laptop.