

JSC "ALMATY TECHNOLOGICAL UNIVERSITY

<https://atu.kz/>

Faculty of Engineering and Information Technology
Department of «Mechanization and Automation of Manufacturing Processes»

Discipline: "Fundamentals of Scientific Research"
Lecture № 12. Scientific publication.



PhD
Эле

Всё А Б В Г Д Е Ж З И К Л М Н О П Р С Т У Ф Х Ц Ч Ш Э Ю Я #

Any particular stud...

Any particular study can be presented as a series of steps

- Choice of research topic
- Definition of the object and subject of research
- Definition of goals and objectives
- Formulation of the title of the work
- Hypothesis development
- Drawing up a research plan
- Literature work
- Choice of research methods
- Organization of research conditions
- Conducting research (collecting material)
- Processing of research results
- Formulation of conclusions
- Conclusion

Все А Б В Г Д Е Ж З И К Л М Н О П Р С Т У Ф Х Ц Ч Ш Э Ю Я #

choice of research...

choice of research topic

A topic is a scientific task (task) that needs to be solved, which covers a certain area of scientific research. Topics can be theoretical, practical or mixed. And it should immediately be emphasized that the choice of a topic is the most important and responsible function of a scientist of any rank.

As already noted, in the process of choosing and formulating a research topic, it is important to determine the following:

- the degree of study of the chosen topic;
- selection of possible research methods;
- the main purpose and objectives of the proposed study.

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Object and subject

Object and subject

An object is a process or phenomenon that generates a problem situation and is taken by a researcher for study

The subject of scientific research is the one who conducts research work. It can be one scientist if he works alone. If more people are engaged in scientific work (a group of scientists or a scientific organization), the whole team is called the subject

Planning stages of work

Make a detailed and structured plan of your work for a consistent movement towards the goal of the study.

This will help organize your work and make it more purposeful.

In addition, it disciplines and makes you work in a certain rhythm.

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The structure of th...

The structure of the work can be represented as follows:

Title page

Annotation (what is done, what is new received)

Content (title of chapters and paragraphs with page indication)

Introduction (designation of the problem, relevance, practical significance of the study; the object and subject of the study are determined; the purpose and objectives of the study; the methods of work are briefly listed)

Chapters of the main part, including the research part (analysis of scientific literature; selection of certain methods and specific research methods; research procedure and its stages)

Conclusions (interpretation of the results obtained)

closing (conclusion) (brief review of the study)

References

Applications (tables, graphs, reference books, etc.)

Test tasks

[Начать тест](#)

СПАСИБО ЗА ВНИМАНИЕ!

