Course Description

Discipline/Course: **Publication of papers in international peer-reviewed journals**

The Basic Educational Program specialty: -

Tomsk Polytechnic University (advanced training course for PhD students)

Instructor: Sergei Preis, PhD

Contact details: email: prsergei@scut.edu.cn

Learning Outcomes:

The course aims to build the skills of independent planning, writing and submitting research articles to international peer-reviewed journals. The program aims to deliver basic knowledge of publishing the results of scientific research in leading scientific journals. The program will help its participants to publish their research results. The program participants will be taught by an experienced researcher who published more than 70 research papers in international journals. The program will be particularly useful for young researchers who plan to publish results of their own research.

at the level of reproduction: The participants of the course will learn how to publish research results in peer-reviewed journals

at the level of understanding: The participants of the course will learn how to plan, write and publish papers using the results of their own research

Theoretical skills: Basic stages of the publication process: formal requirements, language requirements, technical questions and possible problems (making a paper title, abstract and conclusions).

Practical skills: Basic skills of writing a research and review article.

Skills: Finding novelty, literature search and analysis, experiment planning, analysis of the results, structure of the paper, making concise and clear text, performing verification of research results.

Course Outline:

Lecture 1. General definitions. Main steps of publishing a scientific paper

Lecture 2. Improve your results: experiment planning, analysis of the results

Lecture 3. Structure of a scientific paper

Lecture 4. Formal and language requirements.

Lecture 5. Technical questions and possible problems

Lecture 6. Writing a review

Practice: Writing your own paper

Course Delivery: 4 weeks

Prerequisites: -

Co-requisites: -

Final Assessment: paper published in an international journal

Course Developer: Sergei Preis, PhD