

Annotation to work program of the discipline
«Methodology for scientific paper preparation»

Knowledge area: Scientific

Field: Academic writing

Qualification level: The third level

The purpose of the discipline is to form a set of knowledge for postgraduate students about the general principles, methods, and techniques of organizing the academic article preparation that meets the requirements of international journals.

The discipline specific objectives: to acquaint the graduate students with the international scientometric bases SCOPUS and Web of Science Core Collection as the most extensive by the content and coverage period; to acquaint with scientometric indicators of some international databases; to master the skills of preparing and accompanying academic papers of different types (original article, review paper, conference paper, short communication); to master the skills of promoting and popularization the results of a scientist's research by using specific tools; to learn about some international programs for research funding and provide skills for preparing a project proposal.

List of topics:

1. SCOPUS and Web of Science Core Collection as international scientometric databases.
2. Scientometric indicators and their measurement.
3. Organization of academic paper preparation and its further accompanying.
4. Organization of work with scientific literature.
5. Ethics of scientific publications, academic integrity and responsibility.
6. Google Scholar bibliometric profiles and other tools to disseminate research results.
7. Promoting the results of scientist's scientific research.

The postgraduate student must to know: tools of SCOPUS and Web of Science international scientometric databases; capabilities and specificity of the filters in SCOPUS and Web of Science; scientometric indicators and ways of their calculation; basic requirements to the content and structure of academic paper; presentation of the main elements of academic article in accordance with the requirements of high level journals; general guidelines for selecting journal relevant for article; features of searching, accumulation and processing of scientific papers, progressive information retrieval tools; modern reference management software; general recommendations regarding effective communication with editor and reviewers; general principles for project proposal preparation for funding; ethical principles and standards in preparation of academic paper.

The postgraduate student must to be able to: use the SCOPUS and Web of Science tools; use of specific filters in SCOPUS and Web of Science databases; prepare original of review article which by content and structure meets the basic requirements of international journals indexed by SCOPUS/ WoS; choose a journal to publish the results of research; provide effective communication skills with journal editor and reviewers; carry out of literature search, accumulating and processing; apply reference management software: Mendeley, EasyBib.com, EndNote, Zotero, ReadCube Papers, RefWorks, F1000 Workspace, JabRef; prepare project proposal for funding.

Types of educational work: practical classes.