

MODERN METHODS OF SCIENTIFIC PUBLICATION ANALYSIS USING AI SCISPACE

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The amount of scientific information is growing exponentially: more than 2.5 million research papers are published each year, and this number is increasing [1]. For researchers, postgraduate students and educators, the process of reviewing the literature is becoming increasingly complex, while traditional methods of searching and analysing information no longer meet the demands of modern science.

SciSpace is an innovative AI-powered service designed to simplify the process of reviewing scientific publications [2]. It not only helps to find and analyse literature quickly, but also integrates artificial intelligence capabilities to provide a completely new way of interacting with research texts.

Main features and functions of SciSpace:

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Chat with PDFs – one of the most powerful features of SciSpace is the ability to upload a research paper in PDF format and interact with it using an AI-powered chat. Users can ask questions about the content, get explanations of key points, locate citations and quickly navigate through the document without having to manually read the entire text.

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Automated analysis and summarisation – the AI system instantly generates article summaries, highlighting key ideas and conclusions. This significantly reduces the time it takes to process large amounts of information.

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Advanced search and smart filtering – users can search for scientific papers by keyword, topic or author, and receive AI-driven recommendations based on the research context.

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Automatic citation analysis – the platform analyses cited sources and helps identify the most influential research papers in a particular field.

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Integration with other platforms – SciSpace works with ResearchGate, Google Scholar and other academic databases, adding intelligent analysis capabilities to their traditional functions.

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Areas of application and benefits:

- For researchers and scientists – fast access to structured data and automated analysis of large literature sets.
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- For educators and postgraduate students – help prepare lectures, seminars and academic courses using the latest research.
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- For academic institutions – improving efficiency in working with scientific literature, minimising routine tasks and integrating AI into research processes.
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Conclusion. SciSpace is not just a search tool, but a powerful AI assistant that optimises scientific workflows. Thanks to its "Chat with PDFs" feature, interactive search, automatic summarisation and citation analysis, researchers can process scientific texts much faster and focus on what really matters – data analysis and knowledge creation.

References:

1. Elsevier [Electronic resource] // <https://uk.wikipedia.org/wiki/Elsevier>. — 2025. — Resource access mode: <https://uk.wikipedia.org/wiki/Elsevier>.
2. AI Chat for scientific PDFs [Electronic resource] // <https://scispace.com/>. — 2025. — Resource access mode: <https://scispace.com/>.

DEVELOPMENT OF RESOURCE MANAGEMENT INFORMATION SYSTEM

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Problem Statement. Project resource management during a crisis requires the usage of modern approaches that can combine flexibility and efficiency of resource management.

Analysis of the existing human resource management information systems proves that most of them support accounting functions, but do not take into account the specifics of project activities and the need for flexible redistribution of resources between elements of a multi-project environment [1-2].

Objectives. The objective of the study is to develop an information system for managing resources for a project-oriented company.