

# GenAI Usage Taxonomy

GenAI Usage Taxonomy is a 13-role taxonomy describing how Generative Artificial Intelligence (GenAI) contributed to the production and publication of research articles.

## Contribution Roles

Drafting content

Generate images

Text Translation

Generate literature review

Paraphrase and reword

Improve writing style

Abstract drafting

Grammar and spelling check

Plagiarism detection

Citation management

Formatting assistance

Peer review simulation

Content enhancement

## Contribution Roles Defined

**Drafting content** - AI can help you write different sections of your paper, such as introductions, literature reviews, or methodology descriptions

**Generate images** - AI can help you generate images for your paper

**Text Translation** - AI can help you in translating your work or reaching a broader audience

**Generate literature review** - AI can help you drafting a literature review section starting from a set of relevant papers

**Paraphrase and reword** - AI can help you express ideas in different ways, ensuring clarity and conciseness

**Improve writing style** - AI can offer suggestions for sentence structure, word choice, and overall flow

**Abstract drafting** - AI can draft a concise abstract that captures the gist of your research

**Grammar and spelling check** - AI can catch errors that you might have missed

**Plagiarism detection** - AI can help you identify potential plagiarism issues in your own writing

**Citation management** - AI can help format citations and references according to specific styles (e.g., APA, MLA)

**Formatting assistance** - AI can ensure your paper adheres to specific formatting guidelines required by journals or institutions

**Peer review simulation** - AI can simulate peer review by providing feedback on the strengths and weaknesses of your paper

**Content enhancement** - AI can suggest additional content or research that could strengthen your arguments