

## Generative AI Technologies in Military Academic Production

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The widespread use of Generative Artificial Intelligence (AI), such as ChatGPT, Meta AI, among others, has transformed the way research is conducted and science is produced in the global academic sphere. Undoubtedly, this also impacts the dissemination of knowledge and, significantly, the speed at which information is transmitted through this dissemination (Santos, et. al., 2024; Trindade & Cruz, 2024). In the military academic environment, the trend towards the use of generative AI is equally present and brings with it some questions related to ethics and strategic stability.

While these profound technological advancements are being discussed, there is also debate about the impacts of these transformations on the education of citizens and, in our case, future military leaders.

However, in this editorial, we do not intend to discuss the impacts caused by the use of generative AI in academia or to criticize any specific tool. Instead, our objective is to highlight some issues arising from the use of AI, which includes concerns about the country's strategic stability due to increasing dependence on these technologies within academic and scientific research.

In the military academic sphere, these technologies can represent an excellent opportunity for gathering ideas that assist researchers in initiating their studies, particularly those with less academic experience. Likewise, research content can be developed more quickly, once generative AI use deep artificial neural networks to generate texts, code, and other outputs based on large datasets (Trindade & Cruz, 2024). This capability not only allows the creation of coherent texts tailored to the user-



specified contexts but also facilitates the analysis of large volumes of information, helping to foster scientific content production and promote the development of technical and strategic knowledge.

Nevertheless, we emphasize two points that require deeper analysis: **What informational skills are necessary for AI users?** To use these technologies effectively, it is essential for military researchers to develop skills in digital literacy and information management, in addition to already solid critical thinking. This ensures that AI outputs are contextualized, validated, and relevant to specific applications within ethical boundaries, while also considering the sensitivity material with which the AI are fed.

**What are the academic and strategic impacts?** In the military academic environment, the use of generative AI can undoubtedly increase the quantity of scientific production. However, it is essential to consider the strategic implications surrounding this increase in information. The first concern is the quality of what is produced, considering that today's scientific publications will serve as references for future researchers. The second is the excessive dependence on generative AI tools for constructing texts and all types of academic work. This latter issue, in addition to feeding AI with information that may be classified - as previously mentioned - also contributes to the weakening of the researcher's basic academic skills, such as analytical ability, cognitive processing, and adaptability. This discussion does not even delve into the multiple intelligences inherent to various areas of knowledge and training.

In the light of the above, we pose the following questions:

What is the depth of content generated exclusively by AI?

Are there biases in AI-generated content?

We believe that, in the military academic sphere, both the use of new technologies and traditional methods must be aligned to promote comprehensive and well-rounded training and education that combines technical skills with the ethical and essential values of military leaders. In other words, although it may sound obvious, it is vital to strike a balance between innovation and tradition, ensuring that the next generations of military personnel (leaders and commanders) are prepared to maintain the stability and solidity of the Armed Forces, which have always been based on hierarchy and discipline.

Regarding this dichotomy (innovation and tradition), *Revista Agulhas Negras - RAN* is committed to maintaining high editorial standards, prioritizing the quality of published content and the credibility of its authors. After all, the visibility of the journal is also positively impacted by the quality of authors from other institutions who publish in RAN (Barros Junior, 2023).

Concerning technological advancements involving AI, we affirm that these tools greatly assist us in detecting plagiarism or self-plagiarism in submissions to the our Journal. This year, we began using the *Similarity Check* tool, a service offered by Crossref and powered by *iThenticate*.



We always extend an invitation to the academic and professional communities to submit their research to *Revista Agulhas Negras - RAN*. Even in a scenario where the volume of publications sometimes overshadows quality, we, the editors of RAN, are committed to promoting research and authors of academic excellence.

We reiterate that scientific production and dissemination are of utmost importance for new researchers.

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