GENERATIVE AI IN EDUCATION: KNOWLEDGE AND ATTITUDES OF CHEMISTRY STUDENTS

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SUBTHEME: Other

The sudden emergence of Generative Artificial Intelligence (Gen AI) technologies, such as ChatGPT and other generative AI tools (Gen AI) have quickly taken centre stage. It has received much attention in different fields and by different ages (Aydin & Karaarslan, 2023). Gen AI has the potential to transform many parts of society including education, but are we ready for it? The release of this technology has prompted many higher education institutions to react and put in place policies restricting some of its uses. However, limited studies about the way that students respond to Gen AI have been conducted. Our study explored students' attitudes and knowledge of Gen AI. Our research questions include:

- What do students actually think about Gen AI?
- How often do students use Gen AI?
- What do students use Gen AI for?
- What factors have the greatest influence on students' attitudes towards Gen AI?

A mixed methods approach was undertaken. A survey was distributed to determine students' attitudes and factors influencing attitudes. Semi-structured interviews were conducted to gain a deeper understanding of student responses to the survey. This presentation will present findings on this study, particularly what students think about Gen AI and academic integrity.

REFERENCES

Aydın, Ö., & Karaarslan, E. (2023). Is ChatGPT Leading Generative AI? What is Beyond Expectations? *Academic Platform Journal of Engineering and Smart Systems, 11* (3), 118-134. https://doi.org/10.21541/apjess.1293702.