

### **AI-Based Research at the Start of the Lecture Session**

Task for students: Research oxidizing agents used in wastewater treatment, including their advantages and disadvantages.

The researched results are then entered and collected in a prepared Padlet.

Afterwards, the lecture session begins. At relevant points during the lecture, the class will return to the Padlet together, compare the statements generated by generative AI with the content just covered in the lecture, and discuss any differences or inconsistencies.

At the end of the lecture session, a brief reflection will be conducted on the AI-based research results and on how such results can be critically evaluated.