Laboratory work can lead to exposure to various types of hazards and a risk of injury. The American Chemical Society (ACS) recently revised its manuscript guidelines to emphasize the need for discussion about health and safety in chemistry. Additionally, academic and industrial workplaces demand the safe execution of science to ensure a productive laboratory environment.

As you prepare your poster for presentation at the SERMACS, please revisit one significant hazard that you have encountered over the course of your work, and explain how you mitigated the associated risk of that hazard to an acceptable level or completely eliminated the hazard. Use this exercise as an opportunity to educate your audience in safe practices that they might be able to integrate into their own work. In addition to a brief description, pictures and diagrams can be invaluable for conveying this information.

To assist you with this process, the ACS has compiled a list of "Common Hazards"[i] encountered in research activities and explanation of "Control Methods"[ii].

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[i] https://www.acs.org/content/acs/en/about/governance/committees/chemicalsafety/hazard-assessment/tools/common-hazards.html

[ii] https://www.acs.org/content/acs/en/about/governance/committees/chemicalsafety/hazard-assessment/fundamentals/control-measures.html