

Risk Assessment Form (3)

Must be completed before experimentation.

Student's Name(s) Easton Sim Jia Rui, Fang Junxuan, Yu Youyou

Title of Project Indoor air quality monitoring and optimal air filter placing investigation (to be confirmed)

To be completed by the Student Researcher(s) in collaboration with Designated Supervisor/Qualified Scientist: (All questions must be answered; additional page(s) may be attached.)

1. List all hazardous chemicals, activities, or devices that will be used; identify microorganisms exempt from pre-approval (see Potentially Hazardous Biological Agent rules).
 1. battery packet (5v) and electrical devices
 2. (non-toxic) gas samples including smoke, CO₂ and methane
2. Identify and assess the risks involved in this project.
 1. the electrical devices could be short circuited, even causing electrocution or fire, if handled improperly;
 2. if certain gases are allowed to diffuse in air in large quantity and very high concentration, it might cause poisoning or lack of oxygen
3. Describe the safety precautions and procedures that will be used to reduce the risks.
 1. we will be handling our electrical devices with great care, and shutting down power supply when it is not needed
 2. we will be closely monitoring the air quality throughout our experiments, to ensure there is no unexpected surges in concentration of any gas.
4. Describe the disposal procedures that will be used (when applicable).

NA
5. List the source(s) of safety information.

NevadaNano, <https://nevadanano.com>.

To be completed and signed by the Designated Supervisor (or Qualified Scientist, when applicable):

I agree with the risk assessment and safety precautions and procedures described above. I certify that I have reviewed the Research Plan/Project Summary and will provide direct supervision.

Designated Supervisor's Printed Name

Signature

Date of Review (mm/dd/yy)

Position & Institution

Phone or email contact information

Experience/Training as relates to the student's area of research