

## Risk Assessment Form (3)

Must be completed before experimentation.

Student's Name(s) Antonia Pavak and Yousuf Suleman

Title of Project The Effects of Ganoderma lingzhi and Lentinula edodes on the Regeneration Rates and Longevity of Lumbriculus variegatus

**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).

96% Ethanol will be used to create Ganoderma and Lentinula tinctures.

2. Identify and assess the risks involved in this project.

96% Ethanol is flammable.

3. Describe the safety precautions and procedures that will be used to reduce the risks.

Ethanol will not be used near any open flames. Student will wear protective goggles, lab coat, and disposable gloves. Dilutions of tinctures will be made. All experiments will be directly supervised by the teacher.

4. Describe the disposal procedures that will be used (when applicable).

Ethanol disposal will be done by diluting it with copious amounts of tap water and rinsed down the drain. Laboratory sinks at the high school drain to a septic system with a chemical liner.

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

Safety Data Sheets

**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.

Michael Vaccariello, PhD

Designated Supervisor's Printed Name

  
Signature

09/05/19

Date of Review (mm/dd/yy)

Science Research Teacher/ Sachem High School East

Position & Institution

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Phone or email contact information

biomedical laboratories (10 yrs), and mentoring research projects in the high school laboratory (18 yrs).

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