APPLICATION: ENVIRONMENT & BIOSAFETY PROTOCOLS

UNIVERSITY OF THE FREE STATE
UNIVERSITEIT VAN DIE VRYSTAAT
YUNIVESITHI YA FREISTATA
UFS UV

General Policy

The Research Ethics Committee: Biosafety and Environmental Ethics (REC: BEE) has been instituted to protect the interests of researchers, the community and the environment and ensure that all research, teaching and testing involving hazardous organisms and materials complies with accepted international and national guidelines on biosafety and environmental ethics.

The following guidelines on ethics for medical research can also be consulted for general information pertaining to:

- **Biological hazards**
- **Biosafety levels**
- **Genetically modified organisms**
- **Radiation**

Click on the link below to open the guidelines:

- MRC Guidelines

Important Info

Use this form to apply for ethical clearance for research involving the use of:

- **Recombinant DNA molecules / Genetically Modified Organisms**
- **Biological materials where the Biosafety Level (BL) is 2 or more**
- **Hazardous chemicals**
- **Toxins**
- **Pathogens**
- **Any other material/s that could potentially harm the environment or persons involved in the activity**

Guidelines for this E-Form

1.Please note that all fields marked with a red asterisk (*) are mandatory.

2. This application must be submitted by the Principal Investigator (the applicant) or approved other persons who are vouching for specialised aspects of the experimental design (i.e. chair of scientific review committee, safety officer, and persons responsible for supervising the use of scheduled medicinal substances).

3. After Clicking on any of the links in this eform, close the window in which the link opened when you are done and navigate back to the window in your web browser that contains the E-Form.

4. The application must be written simply and briefly, providing adequate information for expert review but also at the same time being understandable to lay persons.

5. Fields that are not mandatory and are not applicable can be left blank.

6. In the case of fields that are mandatory but are not applicable to your application you must type in the words “Not Applicable” as your answer.

7. Please note that sections of this form are not immediately visible, sections will open depending on selections made in the questions on the E-Form.

8. Please ensure that you click on Save on the top pane regularly.

9.After you have completed all mandatory sections, tick the complete box on the top of the E-Form. You can then close the E-Form. Also remember to submit the application after completing the E-Form.

Help Contact:

Email: RIMS@ufs.ac.za

Tel: +27(0)51 401 9398 / 3682 / 9451 / 3942

Principle Investigator details

PI Mashamba, Mpho ML

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Phone 0514019398

Please make sure that the PRINCIPAL INVESTIGATOR'S department is NOT displaying as "RESEARCH DEVELOPMENT" above

* Does the PRINCIPAL INVESTIGATOR'S Associated Department (Department where your study is being done) and all other details above display correct (e.g. phone, email address etc.) ? Yes ☑ No ☐

GENERAL INFORMATION

Project Information

Project Title
Environment and bio-safety

* Have you already started experiments or gathering data for this project? Yes ☐ No ☑

Ethical Clearance for this project should be obtained before commencement.

* **I (the principal investigator) will not commence with this project before ethical clearance has been granted to me in full by the REC: BEE.** ☐

* Select your Academic Level: Master Student

Please specify if you selected 'other' above:

* Is this study for degree purposes? Yes ☑ No ☐

* Specify which degree

Duration of project

What is the estimated amount of time that this project will take to complete?

* Select: 6 * : Month/s

Other reviews

* Has this protocol or any related protocols been submitted for ethics review to any other internal UFS ethics committee(s)? Yes ☐ No ☑

* Has the protocol or any other related protocols been submitted or will it be submitted for ethics review by any external ethics committee(s)? Yes ☐ No ☑

Internal Collaborators

* Are there any other key internal UFS research personnel who will be working on this research? Yes ☐ No ☐

External Collaborators

* Are there any other key external research personnel who will be working on this research? Yes ☐ No ☐

Location (Please note you need to click on the yellow + to add different locations)

* Select the primary location/s from the list to indicate where the study will be conducted

Location

Specify the research location further, i.e. Building Name & Room Number, Type of Facility etc.

Keywords related to your study (Please note you need to click on the yellow + to add different keywords)

* Select keywords from the list

Any other Keywords not listed?

If you did not find all the keywords you need to add from the list, please add any other below.

Summaries

* Please provide a brief summary that can be understood by laypersons of the research design and methodology with emphasis on why hazardous materials are being used and how they are managed.

* Give the overarching research question/s of the study.

* Give the aim and objective/s of this study.

* Please state, who will benefit from this this research, and how will they draw benefit from your research

Laboratory Biosafety Level

* Work will be performed at to the following Biosafety Level:

Identify what PPE will be used to mitigate potential hazardous exposures *(check all that apply)*

☐ Lab coat ☐ Safety glasses ☐ Disposable gloves

☐ Mask ☐ Full face shield ☐ Other

☐ Coveralls ☐ Respirator

Will you work with infectious agents in a biosafety cabinet?

* Describe decontamination and biohazardous waste disposal procedures.

* Describe if there any known consequences of a significant exposure to infections agents used in this research.

* Describe how you would respond to a significant exposure sustained by lab staff.

Conflict of Interest

* **Is there any chance for a potential conflict of interest to arise in this research project? (e.g. evaluating a programme that you are part of; evaluating your own students 'success'; doing research on a question directly related to your employer, etc.)** Yes ☐ No ☐

Supervisor / Study Leader

* **Do you have a Supervisor or Study Leader for this study?** Yes ☑ No ☐

CHOOSE THE PRINCIPAL INVESTIGATOR ROLE NEXT TO YOUR NAME BELOW AND CLICK THE YELLOW + ICON TO ADD YOUR SUPERVISOR.

Supervisor

If your Supervisor / Study Leader / Promoter is not from the UFS, please add an internal person to Co- Supervise.

* Name	* Role
Kilian, Willem W	Supervisor / Study Leader

If your Supervisor / Study Leader / Promoter is not from the UFS, please add an internal person to Co- Supervise.

* Name	* Role
Mashamba, Mpho ML	Principal Investigator

HAZARD CATEGORIES

Does the research involve any of the following? (please select all that are applicable)

- ☐ A. Recombinant DNA molecules/Genetically Modified Organisms
- ☐ B. Pathogens
- ☐ C. Human/Non-Human Primate Tissue/Body Fluids
- ☐ D. Animals or animal tissues
- ☐ E. Toxins
- ☐ F. Nanomaterials
- ☐ G. Collection of samples or materials from the environment
- ☐ H. Hazardous Chemicals
- ☐ Any Other

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