**ETHICAL REVIEW COMMITTEE**

**FACULTY OF APPLIED SCIENCES**

**RAJARATA UNIVERSITY OF SRI LANKA**

**ANIMAL ETHICS SUB-COMMITTEE**

**Application for Ethical Review**

1. Title of project:
2. Source/s of funding (Name and Address of Funding Sources)
3. A brief summary of the research proposal (maximum 350 words)
4. **Scientific importance and validity**
	1. How will your study contribute to the existing knowledge of the subject?
	2. Is your study an original one or a replication of a previous study?
	 If it is a replication please justify.
	3. Are the investigator’s qualifications and experience appropriate and adequate to
	 conduct the study? Yes / No
	4. Are the facilities at the site adequate to support the study? Yes / No
	5. How will the results of the study be disseminated?
* ***This Section to be used only for the projects that require observation, capturing and handling of animals in the field.***
1. **Details of the study site**
	1. Where will the study be conducted?
	2. Does this area fall within any Protected Area? Yes / No
	 If yes, specify.
2. **Details of the animal subjects**
	1. What is the species being studied?

Scientific name: Common name:

* 1. What is the current status of the species (IUCN/National redlist conservation status )
	2. Have you obtained permission from relevant authorities to use the said animal

 species for your research?

If yes please state the authority and the permit number, If no when and from where would you obtain?

* 1. Are you collecting the minimum number of samples required to fulfill the study objectives? Yes/No

If No, justify.

* 1. What is sex / age groups of the study organism that would be included in your study?
1. **Handling and capturing**
	1. Would you require capturing and handling the animal? Yes / No

If yes, answer the sections below (from 7.1 to 7.16)

* 1. What is the purpose of capturing and handling the study organism? (Tick any of the following)

🖵 To collect morphometric data

🖵 To collect samples (blood, hair, flesh, any other part (specify))

🖵 To collect parasites

🖵 Other (specify)

* 1. Briefly outline the capture method.
	2. Is the capturing procedure destructive or non-destructive?
	3. Is the capturing/handling procedure/s standard method/s that is used for the study of these animals (give evidence).
	4. State any previous experience in using the method/s.
	5. Will the captured animals be removed from the environment from which it was captured?

 Yes/No

* 1. If animals are removed, how will they be transported?
	2. Where will the animals be housed during the project period and for how long?
	3. Are the facilities adequate to provide optimum welfare to animals?
	4. Who is responsible for maintaining the welfare diary during the study?
	5. What are the house conditions available at the site?

Single / group housing:

Temperature:

Humidity:

Type and size of cages:

Number of animals per cage:

Bedding materials:

Light- dark regime:

Ventilation:

* 1. What is the type and source of food given to animals?
	2. What are the arrangements made for feeding and for providing water?
	3. Will the animals be released at the sites of capture?
	4. If animals are injured due to capturing or handling, what measures would you adopt to treat the animals?
1. **Tranquilization**
	1. Will the animals involved in the study be tranqulized? Yes / No

If yes, describe the method used for tranquilization.

* 1. Is the tranquilization procedure a standard method used for the study of these animals?

Yes / No (give evidence)

1. **Observation of animals**
	1. Does your study require night sampling? Yes / No
	2. What measures have you taken to minimize disturbance to the animals in the field?
* ***This Section applicable only to laboratory projects that use animals.***
1. **Rationale for animal usage**
	1. Why is animal usage necessary for this study?
	2. Why was this particular species selected?
	3. What is the minimum number of animals necessary for this study?
	4. Have similar experiments been conducted previously by you or others? If so, briefly state some examples of the number of animals used in these studies.
2. **Test animal**
	1. Species:

Scientific name: Common name:

* 1. What is the current status of the species (IUCN/ National redlist conservation status)
	2. Have you obtained permission from relevant authorities to use the said animal

 species for your research?

If yes please state the authority, If no when and from where you obtain?

* 1. Age/weight/size:
	2. Sex:
	3. Number to be used (Year-wise breakup and total figures needed):
	4. Number of days each animal will be housed:
	5. Where will the animals be housed during the project period?
	6. Are the facilities adequate to provide optimum welfare to animals?
	7. Who is responsible for maintaining the welfare diary during the study?
	8. What are the house conditions available at the site?

Single / group housing:

Temperature:

Humidity:

Type and size of cages:

Number of animals per cage:

Bedding materials:

Light- dark regime:

Ventilation:

* 1. What is the type and source of food given to animals?
	2. What are the arrangements made for feeding and providing water?
	3. Source of animals:
1. **Procedures used**
	1. List and describe all invasive and potentially stressful non-invasive procedures that the animals will be subjected to in the course of the experiments.
	2. Injecting substances: Will the project require injecting substances? Yes/No

If Yes, fill in the following details.

Substances:

Doses:

Sites:

Volumes:

 Frequency of injection:

 Duration of injections schedule:

Intervals in between two subsequent injections:

* 1. Does the person have sufficient experience?
	2. Withdrawal of blood: Is blood withdrawal necessary? Yes / No

If Yes, fill in the following details.

Volumes:

Frequency of collection:

Sites of collection:

Duration of withdrawal schedule:

Intervals in between two subsequent withdrawals:

Does the person drawing blood have sufficient experience?

* 1. Anesthesia: Will the animal be anesthetized? Yes / No

If Yes, fill in the following details.

Anesthetic used:

 Duration of anesthesia:

Does the person anesthetizing the animal have sufficient experience?

* 1. Radiation: For projects that involves radiation

Dosage:

What measures have been taken for safe disposal of radioactive waste?

Details of Schedule:

* 1. Does the protocol prohibit use of anesthetic or analgesic to painful procedures (any which cause more pain than that is associated with routine injection or blood withdrawal)? If Yes, explanation and justification.
1. **Euthanasia**
	1. Is euthanasia necessary? Yes / No

If Yes, justify why this is necessary.

* 1. Specify method used:
	2. Method of carcass disposal:
* ***This area is common to both field and laboratory based research***
1. **Use of hazardous agents** - The use of recombinant DNA-based agents or potential human pathogens requires documented approval of the National Bio-safety Programme of Ministry of Environment.

 (For each category, the agents and the biosafety level required, appropriate therapeutic

 measures and the mode of disposal of contaminated food, animal wastes and carcasses

 must be identified)

 Fill in the following (if applicable)

 Radionuclide

 Microorganisms / Biological infectious Agents

 Hazardous chemicals or drugs

 Recombinant DNA

 Any other (give name)

1. **Responsibilities of the researcher**
	1. Have you followed any applicable legal regulations or other guidelines?

Yes / No / Not Applicable

* 1. Have you obtained permission from the relevant authorities to conduct this research?

Yes / No

If Yes, from name the authority/s from which permission been obtained?

If No, are you planning to obtain the permission before the commencement of the study and from which authorities? Yes / No

1. **Externally sponsored research**
	1. Is the research project a collaborative project with another country? Yes / No

If Yes, fill in the following details.

* 1. Has the research project been approved by an ERC/ IRB in the sponsoring country? Yes / No

If Yes, please attach documentary evidence. If No, state the reason?

* 1. Why is the research carried out in Sri Lanka and not in the sponsoring country?
	2. What is the relevance of this study to Sri Lanka?
	3. What are the post-research benefits to Sri Lanka (e.g. availability of product, capacity building)?
	4. Are you adhering to any specific laws/ regulations/ guidelines of Sri Lanka and the sponsoring country/countries applicable to the study? Yes / No

If Yes, list them.

* 1. How will the rights to intellectual property be shared?
	2. Are any of the data or biological samples to be transferred overseas? Yes/No

If Yes, give details and describe the fate of the data or biological samples at the conclusion of the study.

* 1. How will the results of research be conveyed to relevant authorities in Sri Lanka?
* ***Application Checklist (To be completed by the researcher)***

I declare that I have attached the following documents (Please tick the check box and confirm):

1. Completed Application Form (2copies)
2. A brief summary of the research proposal including the justification, objectives, and methods (2 copies)
3. Where applicable, the information sheets for research participants (in all three languages – Sinhala, Tamil, and English) (2 copies)
4. Where applicable, the consent forms (in all three languages – Sinhala, Tamil, and English) (2 copies)
5. Where applicable, the data collection forms/questionnaires. (in all three languages – Sinhala, Tamil, and English if self administered by research participants) (2 copies)
6. Any other relevant documents (Specify)
7. A receipt for the appropriate payment to ERC Faculty of Applied Sciences RUSL.

I understand that the application for ethics clearance will not be accepted unless all documents are submitted. I declare that I am not seeking approval for a study that has already commenced or has already been completed.

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Signature of Principal Investigator Date