



# NETAJI SUBHAS UNIVERSITY JAMSHEDPUR

Estd. Under Jharkhand State Private University Act, 2018  
(A Unit of Sitwanto Devi Mahila Kalyan Sansthan)

Ref. No. : NSU/105A/2021

Date : 26/02/2021

## CIRCULAR

All the member of **Research Ethics Committee** are hereby noticed that a meeting has been scheduled on 01/03/2021 at 01:30 PM in Research & Development cell, of the University under the chair of Dr. M. R. Sinha, Pro-Vice Chancellor, NSU.

### AGENDA OF THE MEETING:-

1. **Ethical Guidelines for Human and Animal Research**
2. **Data Management and Privacy**
3. **Any other**

By the order of Vice Chancellor

Registrar

### Copy To:

1. Office of VC/Pro VC/Registrar, NSU
2. Office of Deans/HODs, NSU
3. Office of Research Cell, NSU
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**Registrar**  
Netaji Subhas University  
Jamshedpur, Jharkhand





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Ref. No. : NISU/105A/2021

Date : 26/02/2021

## First Minutes of Meeting Research Ethics Committee

**Location:** Research & Development cell, NSU

A meeting of Research Ethics Committee was scheduled on dated 1<sup>st</sup> March 2021 in the research cell under the chair of Pro-Vice Chancellor Dr. M. R. Sinha. The meeting began with a warm welcome to the members of the Research Ethics Committee. The Chairperson introduced each member and expressed excitement about the valuable contributions they will make to the committee's work.

### • Present Members :

- Dr. M. R. Sinha – Chairman
- Prof. (Dr.) Acharya Rishi Ranjan-Co-Chairman
- Dr Jyoti Prakash Swain (Dean Research)
- Dr. Ishita Ghosh- HoD- Physics
- Dr. Ranjan Kumar Mishra, Dean -IT
- Dr. S.R Khan- HoD, English
- Dr Adnan Abbasi – HoD - Mathematics

### Agenda for Discussion

#### Discussion on Following Research Ethics in Various Programs during Research

- **Chairperson:** The committee discussed the necessity of ensuring that all research programs adhere strictly to ethical guidelines. This includes safeguarding participants' rights, ensuring transparency, and maintaining integrity throughout the research process.
- **Sub-Topics Covered:**
  - **Ethical Guidelines for Human and Animal Research:**
    - Ensuring that all human subjects in research are provided with informed consent.
    - Discussion on the necessity of humane treatment in animal-based research and adherence to animal welfare standards.

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Date : 26/02/2021

○ **Data Management and Privacy:**

- Emphasis on protecting sensitive data, particularly in clinical and social research.
- Reminders about following GDPR and other applicable regulations regarding personal data.


○ **Interdisciplinary Research:**

- Emphasized that ethics should be incorporated across all disciplines, with particular attention to the varying ethical concerns in biomedical vs. social science research.
- A recommendation to organize a workshop for all researchers, focusing on ethical challenges in interdisciplinary studies.

○ **Conflict of Interest:**

- All researchers were reminded to disclose any potential conflicts of interest to ensure transparency and maintain the integrity of research findings.

The meeting concluded with a reaffirmation of the committee's commitment to fostering a research environment that values ethical integrity and protects the rights of all individuals involved in research. The Chairperson thanked the members for their time and valuable input.

  
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Approved by AICTE, PCI, BCI, NCTE, INC & JNRC

Ref. No. : NSU/490/2022

Date : 14/6/2022

## CIRCULAR

All the member of **Research Ethics Committee** are hereby noticed that a meeting has been scheduled on 16/06/2022 at 03:30 PM in Research & Development cell, of the University under the chair of Dr. G.C. Nanda, Vice Chancellor, NSU.

### AGENDA OF THE MEETING:-

1. Review of Animal Experiment Proposal
2. Any other

By the order of Vice Chancellor

Registrar

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Ref. No. : NSU/490/2022

Date : 16/06/2022

## Minutes of Meeting of Research Ethics Committee

**Location:** Research & Development cell, NSU

A meeting of Research Ethics Committee was scheduled on dated 16 June 2022 in the research cell under the chair of Vice Chancellor Dr. G. C. Nanda. The meeting of the Research Ethics Committee was called to order by Vice Chancellor Dr. G. C. Nanda at 3:30 PM. The objective of the meeting was to review and assess the ethical considerations of an animal experiment proposal submitted by Dr. Pramod Kumar Singh, Associate Professor and Head, Department of Zoology.

### Present Members:

- Dr. G. C. Nanda – Chairman
- Prof. (Dr.) Acharya Rishi Ranjan – Chairman
- Dr Jyoti Prakash Swain (Dean Research)
- Dr. Ranjan Kumar Mishra, Dean -IT
- Dr. S.R Khan- HoD, English
- Dr T.K. Mishra– HoD – Mathematics
- Dr Puja Prasad – HOI – Management
- Dr Ishita Ghosh - HoD – Physics

*[Handwritten signatures: G.C. Nanda, Acharya Rishi Ranjan, Jyoti Prakash Swain, Ranjan Kumar Mishra, S.R. Khan, T.K. Mishra, Puja Prasad, Ishita Ghosh]*

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Ref. No. : NSU/490/2022

Date : 16/06/2022

## Approval of Previous Meeting Minutes

The minutes of the previous meeting held on 1<sup>st</sup> March 2021 were reviewed and approved. No objections or amendments were raised.

## Agenda for Discussion

### **Review of Animal Experiment Proposal**

**Title of Study:** "Therapeutic Efficacy of Oyesters Mushroom extract in Streptozotocin Induced Diabetic Wistar Rats"

**Principal Investigator:** Dr. Pramod Kumar Singh

**Department:** Department of Zoology

**Objective of Study:** The committee reviewed the study, which aims to "Therapeutic Efficacy of Oyesters Mushroom extract in Streptozotocin Induced Diabetic Wistar Rats".

Diabetes is a critical health problem that affects people all over the world and is responsible for a large increase in morbidity and death each year. Even though commercial hypoglycemic agents are successful in bringing hyperglycemia under control, these medications come with a number of undesirable side effects, a high price tag, and the potential to cause serious complications. Some of these complications include hypoglycemia, the development of insulin resistance, severe cardiovascular risks, and risks associated with cancer. In light of this, the quest for efficacious anti-diabetic medicines derived from natural sources provides an attractive possibility for the creation of new categories of therapies. Both traditional medicine and a number of different experimental research point to the fact that edible and medicinal mushrooms have a significant amount of therapeutic potential when it comes to the treatment of diabetes. In today world, isolating and identifying particular bioactive chemicals that possess antidiabetic qualities as well as elucidating the processes behind their hypoglycemic activity is becoming an increasingly significant task. An extensive number of polysaccharides and triterpenes have been isolated from a diverse range of mushroom species, and the structural characteristics of these compounds as well as the methods by which they exert their hypoglycemic effects have been deciphered. Therefore, the hyperglycaemic effects of the





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oyster mushroom can be explained by the enhanced phosphorylation of AMPK and the elevated levels of mRNA in muscle and adipose tissues. Therefore, the anti-diabetic action of oyster mushrooms may be related to the inhibitor activity of the hydrolysable enzymes, which slows down the digestion of carbohydrates and, as a result, delays the rise in blood glucose levels.

## Ethical Considerations and Compliance

The committee discussed the following ethical aspects of the experiment:

- **Justification for Animal Use:** The researcher provided justification for the necessity of using animals and the lack of suitable alternatives.
- **Animal Welfare and Care:** The proposal outlined housing conditions, feeding, and veterinary care.
- **Pain Management and Humane Treatment:** The protocol included methods for minimizing distress, anesthesia use, and euthanasia procedures.
- **Compliance with Regulations:** The study was assessed for adherence to Institutional Animal Care and Use Committee.

## Committee's Observations and Recommendations

Following a detailed discussion, the committee raised the following points:

- ❖ **Strengths of the Proposal:** The foundation of this work is the use of herbal items to treat diabetes.
- ❖ **Concerns and Recommendations:** The supervisors gave a very good presentation regarding his work and how he handled animals.

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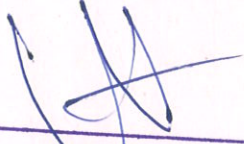
Date : 16/06/2022

## Decision on Approval

Based on the review, the committee reached the following decision:

**Approved**

The Chairperson thanked the members for their time and valuable input present in the meeting.

  
**Registrar**  
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